



Personal Audio Collection

Oct 2010 - Mar 2011

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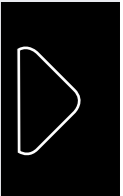
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PIIQ™



Proud To Be Loud.

Bold colours. Loud designs.

The ultimate headphones built to make a style statement, the PIIQ™ series are packed full of attitude yet equipped for exceptional performance.

So pump up those brash beats and get ready to play it loud.





Facilitate. Elevate. Originate.

PIIQ™ is a new series of headphones borne of pure inspiration. Not just simple headphones, they are a lightning rod to capture creativity. Putting them on gives you a great audio experience. But more importantly, they are a call out to ignite your creative instincts.

Push your limits – that is the philosophy of PIIQ™.

Bold beginnings.

Setting out to design headphones that he wanted but never had while growing up, Rui Morisawa wanted to push boundaries. To find something new, something different, something extraordinary.

With the trust and help of Sony, he and his friends took their collective experience as artists, designers, DJs, skaters and all-round limit-pushers and poured it all into this challenge.

The result is PIIQ™ headphones. Bold, brash and brilliant.





MDR-PQ1

Excellent build quality with crush feel to give you supreme sound

- Headband locking mechanism for one time size adjustment
- 40mm driver units for deep bass sound
- Detachable cord
- Elastic loop to secure cord
- Durable flat cord



MDR-PQ2

Be pampered by hi-fi sounds with this comfy headphones

- Neodymium magnets deliver clear and powerful sound
- Smooth and seamless structure
- Durable flat cord



MDR-PQ3

Enjoy big bass boost and superb sound quality

- Neodymium magnets deliver clear and powerful sound
- Durable rubber-coated headband and housing
- Durable flat cord



MDR-PQ4

Crystal clear in-ear sound

- Ear-clip design for secure fit
- Neodymium magnets deliver clear and powerful sound
- Hybrid silicon rubber earbuds for comfort and secure fit
- Cord slider to prevent tangled cords



MDR-PQ5

Listen to big beats with this tiny earphones

- Bass booster earpiece for distinct bass sound and a snug fit
- Neodymium magnets deliver clear and powerful sound
- Cord slider to prevent tangled cords

Specifications	MDR-PQ1	MDR-PQ2	MDR-PQ3	MDR-PQ4	MDR-PQ5
Type	Closed, Dynamic (circum-aural)	Closed, Dynamic (supra-aural)	Open Air, Dynamic	Closed, Dynamic	Open Air, Dynamic
Driver Unit	40mm diameter, dome type (CCAW adopted)	30mm diameter, dome type (CCAW adopted)		9mm diameter, dome type (CCAW adopted)	13.5mm diameter, dome type (CCAW adopted)
Sensitivity	104 dB/mW	100 dB/mW	102 dB/mW		104 dB/mW
Impedance	70 ohms at 1 KHz	24 ohms at 1 KHz		16 ohms at 1 KHz	
Magnet	Neodymium				
Frequency Response (Hz)	8-25,000Hz	10-24,000Hz	14-22,000Hz	6-23,000Hz	12-22,000Hz
Power Handling Capacity	1000mW (IEC)			100mW (IEC)	
Cord	1.2m, L-shaped stereo mini-plug (gold)				
Supplied Accessories				Hybrid silicon rubber earbuds S(2), M(2), L(2)	
Weight (Without cord)	Approx. 255g	Approx. 135g	Approx. 95g	Approx. 8g	Approx. 6g

Headphones

Listen To The Sound Of Perfection.

Every tone, every beat, every sound.
Flawlessly reproduced in the highest
quality for your personal listening
pleasure. Be it music, movies or audio
monitoring, Sony's comprehensive
range of headphones lets you hear
only the good stuff.





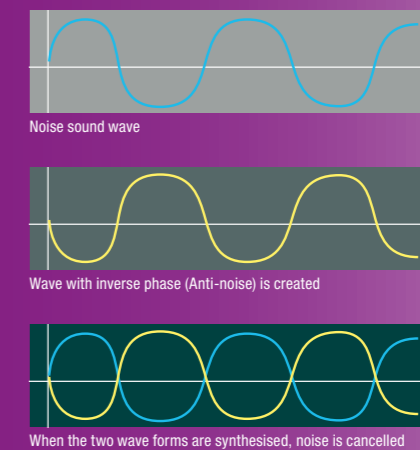
Sony's Headphones. In pursuit of perfection.

Imagine a complete, soundproof, and acoustically perfect sound studio

Imagine how pure and beautiful your music would sound in a studio without the intrusion of external noise. Now imagine that this studio is light and small enough that you can take it with you anywhere. Impossible? Not with Sony's remarkable new headphones. The innovative Noise Cancelling Circuit reduces external noise by approximately 80%, and the sound remains pure and clean even at low volumes. Never again will noise from airplanes, air conditioners, buses, trains, or the neighbours next door get between you and the music. Don't let the blare of the outside world pollute your music any longer. Try Sony's Noise Cancelling Headphones: the only sound studio you can wear.

The anti-noise wave

The secret of Noise Cancelling headphones is a pair of tiny microphones, one on each headphone. These "micro-microphones" pick up ambient noise from your listening environment, analysing its particular wave forms. The Noise Cancelling Circuit then produces an "Anti-noise" wave with inverse or opposite properties. When the external "noise" wave and the special "Anti-noise" wave are combined, they cancel out each other, producing the golden sound of silence. With approximately 2/3 of external noise reduced, your music will sound purer than ever before. *Cancellation ratio based on energy of sound under Sony's measurement



Sounds as good as it looks

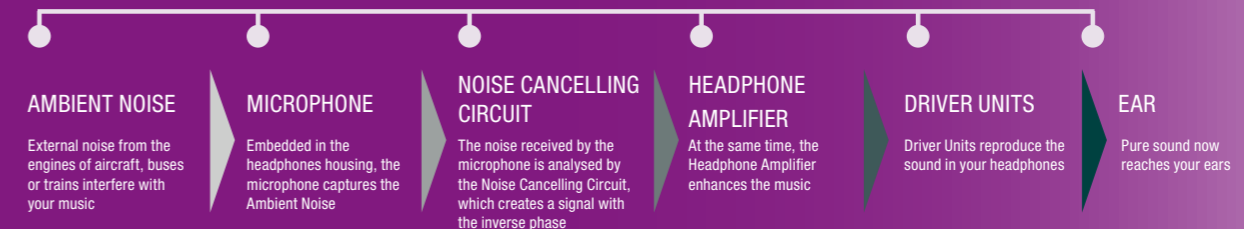
Move to your own beat with Sony's Headphones! With its stylish design, it enhances not only your listening experience, but your wardrobe as well. Try the trendy Sony's Fashion series headphones, which offer a combination of trend-setting form and cutting edge function. Built for outstanding audio quality and designed to be aesthetically pleasing, Sony's Headphones are made for true audiophiles. Discover Sony's innovation and design at its best.

Perfect listening even at home

For the ultimate in sound reproduction, listen no further than Sony's Digital Reference Headphones. Designed for connecting to your HiFi systems/components and TVs, they're perfectly crafted for high fidelity, true-to-life sound. For mobility around your home, Sony's Cordless Headphones feature a wireless connection to your audio source. And to immerse yourself in the riveting effects of surround sound without waking up the neighbours, there's no better substitute than Wireless Digital Surround Headphones. You can now enjoy the best of Digital Theatre Sound (DTS) and Dolby Digital Movies anywhere and anytime you like.

Audio quality without compare

The EX Monitor Series is designed to deliver vivid vocals and instrumentals, almost as if you were there listening to it live. Experience precision audio quality and superior comfort with its 13.5mm driver unit enclosed in soft silicon earbuds for a stable, closed fit. No effort has been spared to bring you the finest true-to-life sound reproduction.



The Complete Range Of Headphones For The Ultimate Aural Experience

Series	Features/Benefits	Target Users/Recommended Usage
Noise Cancelling	<ul style="list-style-type: none"> Reduces ambient noise up to 99%* In-flight audio plug supplied for use with most airlines Enjoy pure music even in noisy environment (eg. plane or bus) <small>*Cancellation ratio based on energy of sound under Sony's measurement</small>	<ul style="list-style-type: none"> Recommended for frequent travellers
Sound Monitoring (ZX Series)	<ul style="list-style-type: none"> Closed-type studio monitor headphones block out virtually all external sound and achieve superior bass response Reversible ear cups of DJ series allow for easier music monitoring 	<ul style="list-style-type: none"> Recommended for sound monitoring usage and audiophiles
Extra Bass	<ul style="list-style-type: none"> New generation of headphones specially created with a new diaphragm that delivers a true sense of acoustic reproduction Enjoy deep bass tones in popular hip-hop and dance music genres Highly corrugated long-stroke diaphragm accurately reproduces ultra-low frequency sounds and rich bass Built with a tightly sealed acoustic Direct Vibe Structure for high audio fidelity and extended bass sounds 	<ul style="list-style-type: none"> For Hip-hop and dance music lovers
EX Monitor	<ul style="list-style-type: none"> 13.5mm-16mm driver units in-ear headphones Closed acoustic construction allows reproduction of precision monitor quality 	<ul style="list-style-type: none"> Recommended for audiophiles
EX 9mm High-sensitivity	<ul style="list-style-type: none"> 9mm high sensitivity driver units for a wider acoustic range A hybrid silicon housing and angled earbud structure give a more comfortable fit Delivers robust sound in an innovative design 	<ul style="list-style-type: none"> Recommended for those who want headphones with a balanced sound
Youth	<ul style="list-style-type: none"> Closed headphones with large 30mm driver units for high quality sound reproduction Thin and lightweight headband Casual, colourful and stylish overband headphones Pressure-relieving urethane ear pads for good wearing comfort 	<ul style="list-style-type: none"> Recommended for stylish and casual users who look for lightweight overband headphones
iPod/iPhone Compatible	<ul style="list-style-type: none"> Enjoy dynamic audio perfection, designed exclusively for your iPod and iPhone In-line remote for volume and track control Built-in microphone for phone calls 	<ul style="list-style-type: none"> Recommended for iPod/iPhone users who seek better sound quality
Fashionable	<ul style="list-style-type: none"> Trendy clip-on headphones with retractable cord Stylish and distinctive designs with a range of attractive colours Revolving mechanism provides a snug fit for different ear sizes thus minimising sound leakage and offering consistent audio quality Lightweight and trouble-free convenience 	<ul style="list-style-type: none"> Recommended for those who desire a pair of headphones to match their trendy lifestyle
Fontopia	<ul style="list-style-type: none"> Trademark lightweight ear-bud headphones deliver full range stereo clarity Offers up to 70% sound leakage protection and maintains a wider frequency response required for balanced sound reproduction To ensure headphones deliver powerful bass sound, Sony Acoustic Twin Turbo Circuitry (S.A.T.T.C.) is incorporated in every model Silent cap is used to prevent sound leakage and improve fit 	<ul style="list-style-type: none"> Recommended for those who prefer the convenience of lightweight headphones
Active Style	<ul style="list-style-type: none"> Tough and flexible, its rugged construction with secure ear fit suits any active lifestyle and even extreme use Premium styling accentuated by an eye-catching aluminum finish and anodised detailing Well-equipped with practical performance features as well as high quality audio 	<ul style="list-style-type: none"> Recommended for those who want to enjoy their music while working out
Hi-Fi Home Theatre	<ul style="list-style-type: none"> Super Audio Reproduces wider sound frequency range of up to 100KHz Uses NANO composite high definition driver units to achieve superior sound reproduction Equipped with pressure dispersion pad for extended wearing comfort <p>Audio Visual</p> <ul style="list-style-type: none"> Produces high fidelity, true-to-life sound Specially-constructed diaphragm ensures original sound reproduction Equipped with sound mode switch (except MDR-XD100) <ul style="list-style-type: none"> Movie sound mode for wider and powerful bass to reproduce movie theatre sounds Music sound mode for natural sound reproduction Wide frequency response Urethane leather pads for added comfort Unimatch plug supplied for use with various equipment <p>Cordless</p> <ul style="list-style-type: none"> Uses infrared or 2.4GHz Digital RF Wireless transmission so sound will not be interfered by nearby radio or telephone Automatic ON/OFF function on headphone and transmitter preserve battery life 	<p>Super Audio</p> <ul style="list-style-type: none"> Recommended for audiophiles For listening to SACDs <p>Audio Visual</p> <ul style="list-style-type: none"> Recommended for both music and movie enjoyment at home <p>Cordless</p> <ul style="list-style-type: none"> Recommended for enjoying late-night movies or TV programmes without disturbing others
Street Style	<ul style="list-style-type: none"> Neckband wearing style Wearing style allows active movement without worry of headphones sliding off ears Clip-type headphones with interchangeable housings to complement daily outfits 	<ul style="list-style-type: none"> Young individualists who use headphones as accessories Active individuals Fashion-conscious customers
Core	<ul style="list-style-type: none"> Lightweight and comfortable even in long usage Sony Acoustic Turbo Circuit (S.A.T.C.) enhances bass sound 	<ul style="list-style-type: none"> Recommended for long hours of usage as the chance of listening fatigue is decreased
PC Headsets	<ul style="list-style-type: none"> Equipped with noise cancelling microphone for superior voice clarity 3m cord with 3.5mm gold-plated plug for easy connection to PC 	<ul style="list-style-type: none"> Recommended for video conference, voice/speech recognition with PC and language learning Recommended for music, internet gaming, internet telephony/chat and video
Outdoor	<ul style="list-style-type: none"> Ear-conscious design for better wearing comfort Ambient sound-in-mechanism housing with a diaphragm which allows the outside sound to be heard Neodymium magnet for powerful bass sound Retractable cord for easy storage 	<ul style="list-style-type: none"> Recommended for usage indoors and outdoors

Noise Cancelling Series Designers' Interview

Embark a sound journey

With significant engineering and design advancements, Sony NC500D headphones turn up the audio quality while turning down the ambient and surrounding noise from the environment. This outstanding audio performer is built for comfort and convenience, ensuring perfect tunes on the go.

Making waves with digital audio

"Audio accuracy and sound quality have been improved like never before due to the digitalisation of noise cancelling technology in the Sony NC500D headphones."

Naotaka Tsunoda, in charge of acoustic design

"It's the world's first* digitalisation of the noise cancelling function that is finally realised after 15 years of effort."

Takayuki Mizuuchi, NC-D500 Project Leader

Smarter. Quieter. Clearer.

"The noise cancelling performance has been improved compared to analogue noise cancelling performance. By digitalising the filters, only the frequency that really causes acoustic feedback is removed and the remaining frequency is used for the cancel signal."

Kohei Asada, in charge of development of the DigitalNC system

"One of the characteristics of these headphones is the AI noise cancelling function that optimises the different noise cancelling modes for three different types of noise. "

Naotaka Tsunoda, in charge of acoustic design

Comfort for every journey

"The Sony NC500D headphones are superior in cancelling of super low pass audio 100 Hz or less. This range of audio is usually felt as vibrations; thus when it is remarkably reduced, you hardly feel exhausted when using it for a long time on the airplane, train or other vehicles."

Kazuhisa Kito, in charge of electric circuit/hardware

Making light of challenges

"The Sony NC500D headphones are packed full of new materials and parts such as a new audio cord that can be curled in the slider. This leads to it being so lightweight and comfortable."

Hiroyuki Ishida, in charge of mechanism/mechanism development

Different voices. Same goal.

"The people in-charge were experienced in different fields and thus could exchange alternative views and opinions. This resulted in a creative atmosphere that led to better ideas. It was great to have been part of this project."

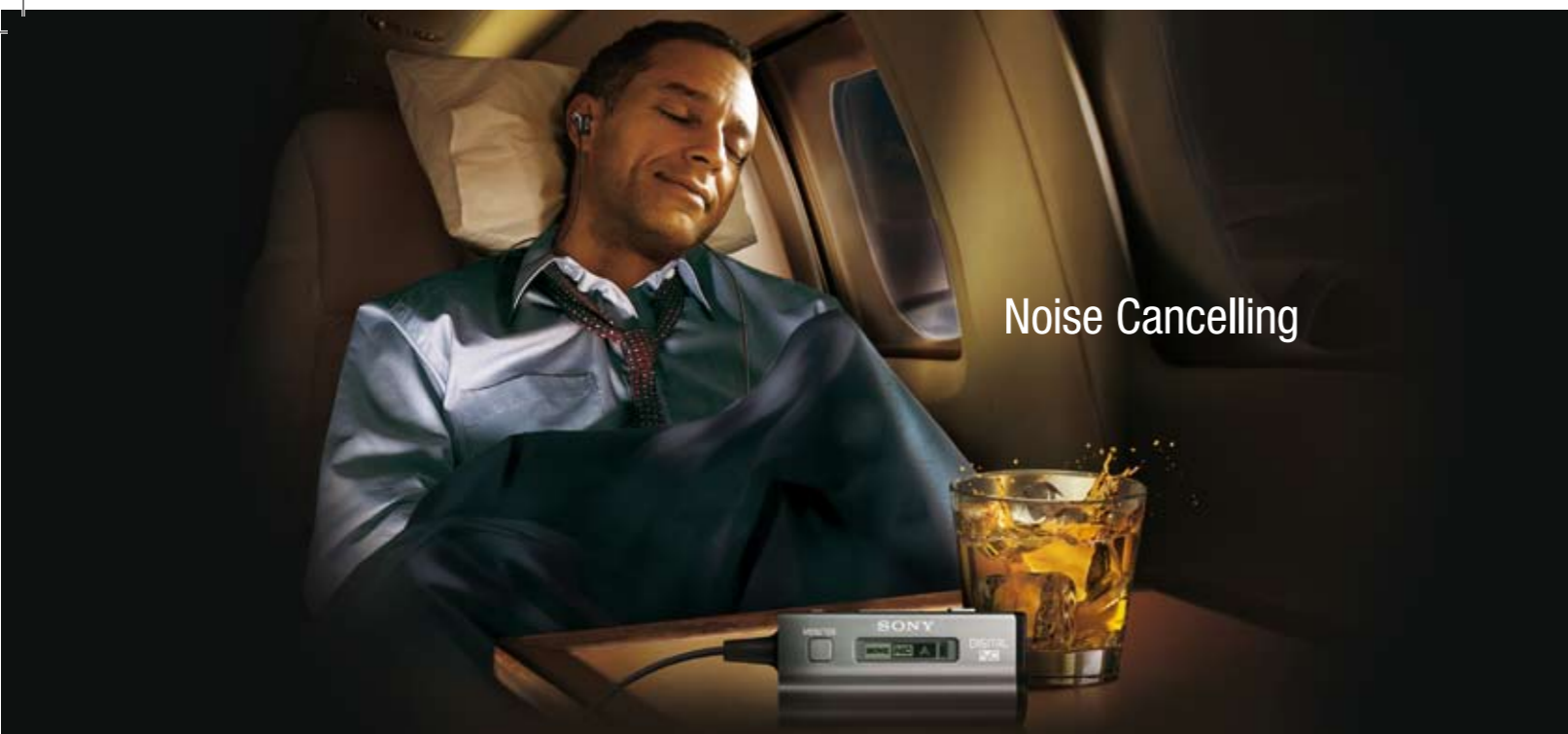
Tetsunori Itabashi, in charge of development of DSP software

One-of-a-kind

"It's fair to say that the NC500D is really the integration of Sony's audio engineering. It is undoubtedly different from existing noise cancelling headphones in both the aspects of performance and innovative spirit."

Naotaka Tsunoda, in charge of acoustic design

*1 As of March 2008, researched by Sony



Noise Cancelling

Lightweight Materials
Housing/Hanger: Magnesium
Headband: 7075 Aluminium

Swivel Mechanism
Allows headphones to lay flat thereby saving storage space and enhancing portability.

Monitor Function
Mutes direct audio source and accentuates audibility of ambient sound. Hear announcements, conversations, etc. clearly.

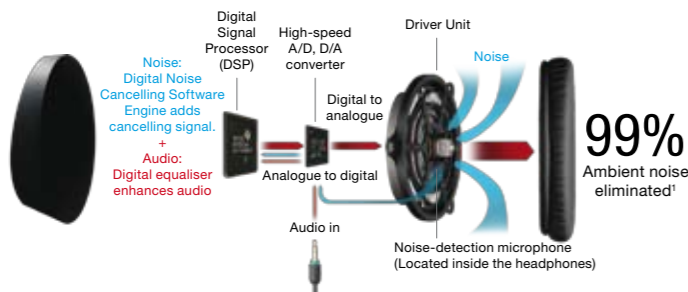
DNC LED Indicator
Signals operation of Digital Noise Cancelling mode.

Power Supply
Accepts direct power supply via supplied AC adaptor.

Sound Insulating Material
Blocks out ambient noise via passive means.

AI NC Mode Function
Activates inbuilt AI NC function.

Headphone Cord
Two detachable cords (0.5m, 1.5m) are supplied for your convenience.



High Cancelling Performance

The noise-detection microphone is integrated with the driver unit to minimise the delay in its receipt of input from the driver unit to achieve a more stable and wider range cancelling performance.

¹ Ambient noise at 160Hz

MDR-NC500D

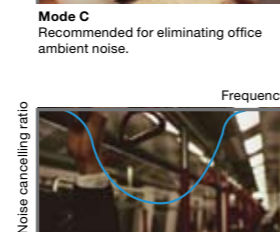
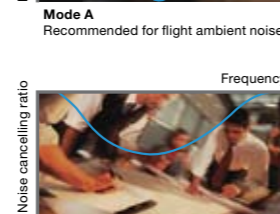
World's first Digital Noise Cancelling (DNC) overband headphones

- Eliminate up to 99%* ambient noise
- Large 40mm driver units reproduce ultra-high-fidelity sounds
- Special DNC software engine eradicates limitations imposed by conventional analogue noise cancelling technology
- Digital signal processing allows for the creation of special filter shapes that actively respond to ever-changing noise conditions
- Digital equaliser presents the original audio footprint in superb clarity
- Noise-detection microphone is integrated with the driver unit to achieve a more stable and wider-range cancelling performance
- 3 Artificial Intelligence (AI) modes suitable for usage in airplanes, trains and indoor office in automatic or manual mode
- Lightweight with swivel mechanism for easy portability
- Equipped with leather carrying case

* Cancellation ratio based on energy of sound under Sony's measurement.

AI NC Modes

MDR-NC500D's AI NC function is available in both Auto (default) and Manual modes (Mode A, Mode B and Mode C).



Mode B
Recommended for eliminating in-train ambient noise.



MDR-NC300D

World's first Digital Noise Cancelling (DNC) in-ear headphones

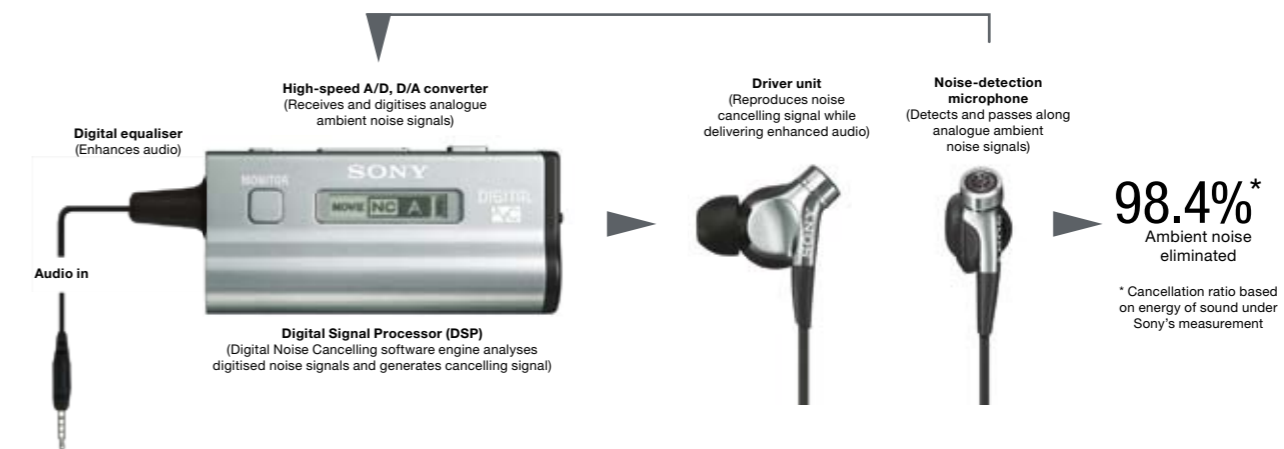
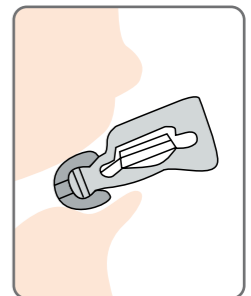
- Eliminate up to 98.4%* ambient noise
- Large 16mm driver units reproduce ultra-high-fidelity sounds
- Special DNC software engine eradicates limitations imposed by conventional analogue noise cancelling technology
- Digital signal processing allows for the creation of special filter shapes that actively respond to ever-changing noise conditions
- Digital equaliser presents the original audio footprint in superb clarity
- Noise-detection microphone is integrated with the driver unit to achieve a more stable and wider-range cancelling performance
- 3 Artificial Intelligence (AI) modes, suitable for usage in airplanes, trains and indoor office in automatic mode
- 7 pairs of ear buds are supplied to fit different ear sizes
- Equipped with leather carrying case

* Cancellation ratio based on energy of sound under Sony's measurement



Design and Fit

Despite its large 16mm driver unit, the EX MONITOR Series is able to adopt a closed-type-in-ear design for a better fit and clearer sound. This was made possible through the use of magnesium which is about 30% thinner than conventional plastics. Seven different silicon hybrid earbuds also serve to ensure a perfect match for almost all ear canal shapes.



High Cancelling Performance

The noise-detection microphone is integrated with the driver unit to minimise the delay for its receipt of input from the driver unit to achieve a more stable and wider range cancelling performance.



MDR-NC60

Lightweight and high quality noise cancelling headphones with ergonomic design

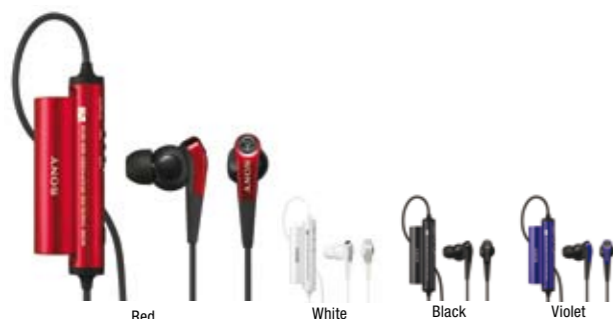
- Improved noise cancelling method reduces noise by more than 80%
- Built-in monitor switch makes surrounding sounds audible without the need to remove headphones
- Long battery life supports approximately 30 hours of continuous usage with a single AAA alkaline battery
- Ear-conscious design for maximum wearing comfort
- Slim swivel-folding style for easy portability
- Neodymium magnet for powerful sounds
- Ideal for noisy environments such as airplanes and trains



MDR-NC40

Lightweight headband noise cancelling headphones

- 30mm driver units with pressure-relieving urethane cushion for comfortable wear
- New noise cancelling circuit reduces ambient noise by more than 80%
- Neodymium magnet for powerful sounds
- Long battery life supports approximately 40 hours of continuous usage with a single AAA alkaline battery



MDR-NC33

Sleek design with improved noise cancelling technology

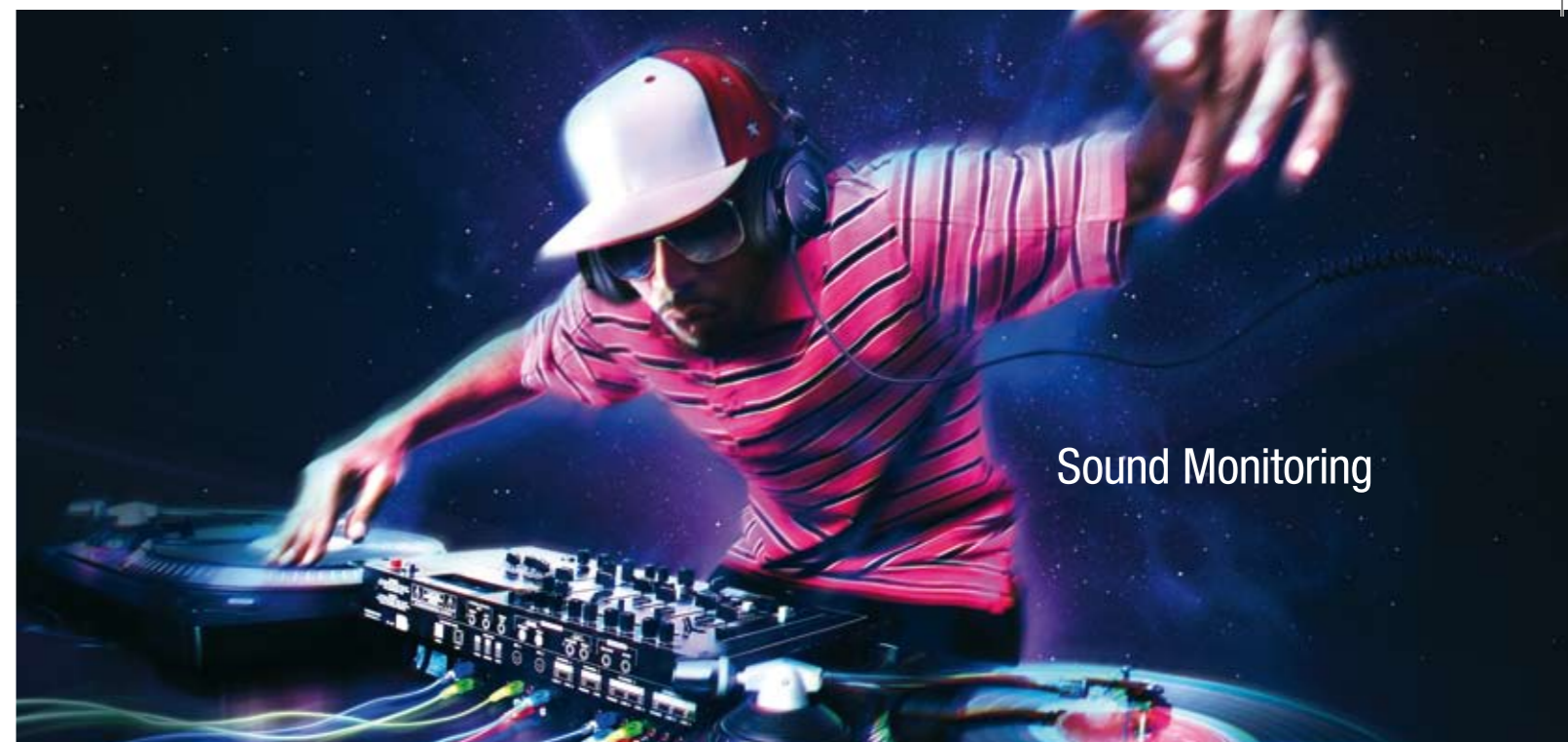
- Improved noise cancelling circuit reduces noise by more than 90%
- 13.5mm driver units with soft silicon earbuds allow stable and comfortable in-ear fit
- Long battery life supports approximately 50 hours of continuous usage with a single AAA alkaline battery
- Closed, vertical in-ear structure enables excellent isolation from external noise and powerful bass reproduction
- Neodymium magnet for powerful sounds



MDR-NC7

Lightweight, closed dynamic headphones with swivel-folding style for portability

- Improved noise cancelling method reduces noise by 87.4%
- Swivel and folding style for easy portability
- Long battery life supports approximately 30 hours of continuous usage with a single AAA alkaline battery
- 30mm driver units for better sound reproduction



MDR-Z1000 ^{NEW}

Experience outstanding noise isolation and high accuracy sound reproduction

- Reference monitor headphones
- Newly developed 50mm driver unit for professional use and highly accurate sound with liquid crystal polymer film diaphragm
- Noise isolation ear pads for good attenuation of ambient noise
- Resist high power input up to 3,000mW
- Excellent signal transmission with 7N-OFC cord: Oxygen Free Copper with super high purity (99.9%)
- Pressure relieving urethane cushioned ear pads for comfortable fit
- Detachable, single-sided cord



MDR-V900HD

Professional headphones ideal for sound monitoring

- High definition driver units achieve wider range reproduction
- Auranomic design for comfortable listening
- OFC voice coil provides high power handling capacity up to 3,000mW
- Amorphous diamond-evaporated diaphragm for clear and more natural sound
- Neodymium magnet for powerful bass sounds
- Large 50mm driver units reproduce original sound over the full dynamic range
- Highly conductive LC-OFC class 1 Litz cord for maximum signal transmission
- Coiled cord extends up to 3m without getting in the way when you are close to the source
- Single-sided cord minimises nuisance of cord
- Foldable for greater portability

Specifications	MDR-NC500D	MDR-NC300D	MDR-NC60	MDR-NC40	MDR-NC33	MDR-NC7
Type			Closed, Dynamic			Open Air, Dynamic
Driver Unit	40mm diameter, dome type (CCAW adopted)	16mm diameter, dome type (CCAW adopted)	40mm diameter, dome type (CCAW adopted)	30mm diameter, dome type (CCAW adopted)	13.5mm diameter, dome type (CCAW adopted)	30mm diameter, dome type (CCAW adopted)
Sensitivity	107 dB/mW	103 dB/mW	102 dB/mW		98 dB/mW	102 dB/mW
Impedance	40 ohms at 1 KHz	16 ohms at 1 KHz	40 ohms at 1 KHz	68 ohms at 1 KHz	16 ohms at 1 KHz	33 ohms at 1 KHz
Magnet	Neodymium (440kJ/m ²)			Neodymium (300kJ/m ²)		
Frequency response (Hz)	5-30,000Hz	6-24,000Hz	14-22,000Hz		10-22,000Hz	30-20,000Hz
Power Handling Capacity	100mW (IEC)		50mW (IEC)		100mW (IEC)	
Cord	OFC Litz cord, 0.5m+1.5m cord length	OFC Litz cord, 0.3m+1.2m cord length	OFC Litz cord, 0.5m+1.5m cord length	OFC Litz cord, 1.5m cord length		
Noise cancelling level	~ 99%	~ 98.4%	~ 85%	~ 80%	~ 90%	~ 80%
Weight (Without cord)	Approx. 195g	Approx. 8g	Approx. 220g	Approx. 120g	Approx. 7g	Approx. 134g



MDR-V700DJ

Professional headphones ideal for sound monitoring

- Recommended for DJ use
- Resists high power input up to 3,000 mW
- Neodymium magnet for powerful bass sound
- Large 50mm driver units give deeper bass, lower distortion and wider dynamic range
- Swivel earcups for DJ and remix applications enable single-sided monitoring: DJs can listen to house sound with one ear while they cue up the next track with the other; convenient for on-shoulder use
- Auto-return swivel mechanism brings the earcups back to standard listening position
- Reversible earcups for greater monitoring flexibility
- Coiled LC-OFC Litz cord for conductivity and easy extension of cord length
- Foldable for greater portability



MDR-ZX500 ^{NEW}

Perfect for vocal & instrumental sound monitoring

- Reference monitor headphones
- 40mm driver units and neodymium magnet reproduce vocal and instrumental sound with vivid clarity
- Resists high power input up to 1,500mW
- Pressure relieving urethane cushioned ear pads for comfortable fit



MDR-V500DJ

Large 40mm driver unit professional DJ headphones with a swivel mechanism for earcups

- Recommended for DJ usage
- Large 40mm driver units for high quality sound
- Swivel earcups for DJ and remix applications enable single-sided monitoring: DJs can listen to house sound with one ear while they cue up the next track with the other; convenient for on-shoulder use
- Reversible earcups for greater monitoring flexibility
- 3m OFC single-sided cord minimises nuisance of cord
- Coiled cord for extended length and added durability
- Compact folding design for easy storage and portability



MDR-ZX300 ^{NEW}

Dynamic, supra-aural foldable professional DJ headphones with a Sound Monitoring Volume Controller

- Neodymium magnet delivers powerful sound
- Slim, folding design for easy portability
- Resists high power input up to 1,000mW



MDR-ZX700 ^{NEW}

Enjoy studio quality sound reproduction

- Reference monitor headphones
- New developed large 50mm driver units realise an exceptional frequency response and reproduce a faithful studio quality sound
- Noise isolation ear pads for good attenuation of ambient noise
- Resists high power input up to 2,000mW
- Pressure relieving urethane cushioned ear pads for a comfortable fit
- Single-sided cord



MDR-ZX100 ^{NEW}

Dynamic, supra-aural high quality sound reproducing DJ headphones

- Headphones for sound monitoring
- Large 30mm driver units for high quality sound reproduction
- 2m cord length

Specifications	MDR-Z1000	MDR-V900HD	MDR-V700DJ	MDR-V500DJ	MDR-ZX700	MDR-ZX500	MDR-ZX300	MDR-ZX100
Type	Closed, Dynamic (circum-aural)	Closed, Dynamic						Closed, Dynamic (supra-aural)
Driver Unit	50mm diameter dome type (CCAW adopted)		40mm diameter dome type (CCAW adopted)		40mm diameter dome type (CCAW Voice Coil)	30mm diameter dome type (CCAW Voice Coil)		
Sensitivity	108 dB/mW	107 dB/mW		106 dB/mW		104 dB/mW	102 dB/mW	100 dB/mW
Impedance	24 ohms at 1 KHz				70 ohms at 1 KHz	24 ohms at 1 KHz		
Magnet	Neodymium						Ferrite	
Frequency Response (Hz)	5-80,000Hz	5-30,000Hz		10-25,000Hz	5-40,000Hz	8-25,000Hz	10-24,000Hz	12-22,000Hz
Power Handling Capacity	4,000mW (IEC)	3000mW (IEC)		1000mW (IEC)	2,000mW (IEC)	1,500mW (IEC)	1,000mW (IEC)	
Cord	3m/1.2m 7N-OFC Litz cord, detachable	OFC Litz cord, 2.5m+2.5m cord length	OFC Litz cord, 3m cord length		1.2m, L-shaped stereo mini-plug (gold)			
Supplied Accessories	3m cord/ 1.2m cord/ Unimatch plug (gold) adaptor/ Carrying pouch/ Product information	Unimatch plug (gold)			Extension cord (1.8m)/ Cord adjuster/ Carrying pouch	-		
Weight (Without cord)	Approx. 270g	Approx. 260g	Approx. 300g	Approx. 220g	Approx. 260g	Approx. 180g	Approx. 120g	

Extra Bass Series

Designers' Interview

Pump up the bass

Discover the explosive, exciting and totally exhilarating XB Series headphones. Designed for those who love their music with serious amounts of bass, it's all about feeling the rich, deep thumping bass line - without crushing the mids and highs along the way. And you can enjoy all this extra "oomph" in extreme comfort and total sound isolation because of the thick squashy, king-size ear cushions. Get ready to for a bass attack.

Recreating the dancefloor experience

"A key feature of the XB series is that they deliver a deep, thumping bass line. They were originally developed based on the assumption that they would recreate the sound field of a club dance floor because both Matsuo and I belong to the generation that grew up listening to club music, so we are familiar not only with the sound that you hear from the best se at in a concert hall, but also with the sound that washes over you from speakers that are taller than you are."

Atsushi Komiyama, Headphone Designer

The bigger the better

"When we were making the headphones, the first thing we did was to come up with these king-size ear pads. When we were thinking about how to visually express the sound reproduced by the headphones, one of the engineers said he wanted to make some fun ear pads. No existing ear pads expressed the deep bass sound and beat that you feel on club dance floors by their very existence and we thought it would be fun to do that."

Atsushi Komiyama, Headphone Designer

Perfect fit for anyone

"Sony's headphones have an 'ear-conscious design'. The shape of the housing and the movable range are determined by detailed calculation of the angle of the ears, the shape of the face, etc. With ordinary headphones, the movable part is bigger to allow them to suit all angles, but with these headphones, the ear pads are so thick and soft that, to a certain extent, they fit any angle."

Tomohiro Matsuo, Headphone Engineer

Feel the bass, mids and highs

"We gathered the best of the technologies accumulated during our long history in the field of headphones and devoted them all to these headphones. Of course, it was important to produce deep bass tones, but we didn't forget the high tones too. On a club dance floor, you can feel the width, depth and movement of the sound all at the same time, so we thought it was very important to hear and feel the high frequency tones too. In that sense, I think we have achieved balanced sound creation."

Tomohiro Matsuo, Headphone Engineer



Extra Bass



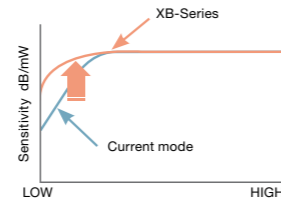
MDR-XB700

Luxurious extra bass headphones for hip-hop and club music lovers (50mm driver units)

- Large 50mm dome-type driver units give deeper bass, lower distortion and wider dynamic range
- Resists high power input up to 3,000mW
- Ultra-thick pressure-relieving ear cushions offer extreme wearing comfort
- Newly developed durable and lightweight flat cord
- Tightly sealed acoustic design for a high level of sound isolation and booming bass
- Specially created diaphragm with plenty of corrugations for high compliance, with large amplitude for long stroke and durability against sudden pressure
- Seamless, flat headband with hairline finish aluminum for ultimate comfort and fit

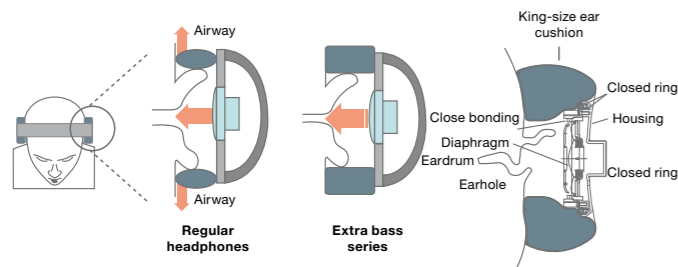
New, direct drive structure

Direct sound and powerful deep bass playback because of improved seal between eardrums and driver unit.



Compared with regular headphones, the extra bass series is designed to playback music with lots of deep bass frequency information with ease.

• Headband type



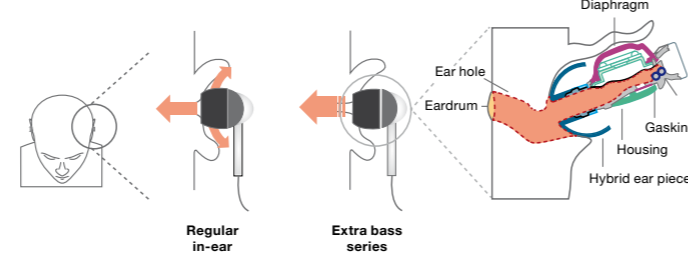
King-size ear cushion. Air leakage is dramatically decreased by the addition of seal bonding, seal ring and more, thoroughly producing deep bass frequencies.

King-size ear cushion

Extra thick low repulsion urethane foam is used. By enclosing with high elasticity urethane leather which sinks in deeply when worn, the comfort and seal level is heightened.



• Inner-ear-type



Hybrid ear piece. Air leakage is dramatically decreased by the addition of the gasket, sealing and more, thoroughly producing deep bass frequencies.

Reproduces deep bass with "Newly developed diaphragm" Improved mobility of the diaphragm while maintaining the vibration-proof, air-proof characteristics. Reproduction of deep bass frequencies are made possible.



MDR-XB500

Luxurious extra bass headphones for hip-hop and club music lovers (40mm driver units)

- Large 40mm dome-type driver units give deeper bass, lower distortion and wider dynamic range
- Resists high power input up to 1,500mW
- Ultra-thick pressure-relieving ear cushions offer extreme wearing comfort
- Newly developed durable and lightweight flat cord
- Tightly sealed acoustic design for a high level of sound isolation and booming bass
- Specially created diaphragm with plenty of corrugations for high compliance, with large amplitude for long stroke and durability against sudden pressure
- Seamless, flat headband with hairline finish aluminum for ultimate comfort and fit



MDR-XB300

Luxurious extra bass headphones for hip-hop and club music lovers (30mm driver units)

- Large 30mm dome-type driver units give deeper bass, lower distortion and wider dynamic range
- Resists high power input up to 1,000mW
- Ultra-thick pressure-relieving ear cushions offer extreme wearing comfort
- Newly developed durable and lightweight flat cord
- Tightly sealed acoustic design for a high level of sound isolation and booming bass
- Specially created diaphragm with plenty of corrugations for high compliance, with large amplitude for long stroke and durability against sudden pressure
- Seamless, flat headband with hairline finish aluminum for ultimate comfort and fit



MDR-XB40EX

Enjoy deeper bass, lower distortion and wider dynamic range

- 13.5mm dome-type driver units with closed, direct vibe structure
- Resists high power input up to 100mW
- Closed structure, vertical in-ear headphones with hybrid silicon earbuds to allow stable and comfortable fit
- Newly developed durable and lightweight flat cord
- Tightly sealed acoustic design for a high level of sound isolation and booming bass
- Specially created diaphragm with plenty of corrugations for high compliance, with large amplitude for long stroke and durability against sudden pressure



MDR-XB20EX

Deeper bass, lower distortion and wider dynamic range

- Ultra-small 9mm dome-type driver units with closed, direct vibe structure
- Resists high power input up to 100mW
- Closed structure headphones with hybrid silicon earbuds to allow stable and comfortable fit
- Newly developed durable and lightweight flat cord
- Tightly sealed acoustic design for a high level of sound isolation and booming bass
- Specially created diaphragm with plenty of corrugations for high compliance, with large amplitude for long stroke and durability against sudden pressure

Specifications	MDR-XB700	MDR-XB500	MDR-XB300	MDR-XB40EX	MDR-XB20EX
Type	Closed, Dynamic				
Driver Unit	50mm diameter, dome type (CCAW adopted)	40mm diameter, dome type (CCAW adopted)	30mm diameter, dome type (CCAW adopted)	13.5mm diameter, dome type (CCAW adopted)	9mm diameter, dome type (CCAW adopted)
Sensitivity	106 dB/mW	104 dB/mW	100 dB/mW	105 dB/mW	103 dB/mW
Impedance	24 ohms at 1 KHz			16 ohms at 1 KHz	
Magnet	Neodymium (360kJ/m ³)	Neodymium (300kJ/m ³)			
Frequency Response (Hz)	3-28,000Hz	4-24,000Hz	5-22,000Hz	4-24,000Hz	5-23,000Hz
Power Handling Capacity	3000mW (IEC)	1500mW (IEC)	1000mW (IEC)	100mW (IEC)	
Cord	1.2m				
Supplied Accessories	L-shaped stereo mini-plug (gold)				
Weight (Without cord)	Approx. 295g	Approx. 185g	Approx. 120g	Approx. 9g	Approx. 6g

EX Monitor Series

Designers' Interview

Hear the difference

Committed to uncompromising sound quality, EX Monitor headphones are made with meticulous attention to detail and quality. Featuring a superior quality driver that allows reproduction of a bigger sound across a broad range of both high and low frequencies, its unique design and headphone bonding is created to match the orientation of your ear canal to achieve enhanced sound delivery and a comfortable fit for your ears.

Sony's total commitment

"With Sony, the whole company is involved in making a single product. Many people's opinions, even on small details, are consulted before reaching a conclusion based on the data. It's the expression of each person's confidence and sense of responsibility in bearing the Sony brand."

Headphones, an expression of style

"For example, glasses are a tool that aid eyesight, but they are also a part of that person's personality. Furthermore, people who wear glasses look for glasses that suit their face and they create their own look. I think it would be nice if headphones were on that kind of level."

The best fit for you

"The shapes of people's ears are very different. It isn't simply that the size of the ear holes, but the direction and angle of the hole varies between the right ear and the left ear. There is an endless variety of ear shapes. If the earpiece is loose and air leaks, then you aren't likely to get the sound quality that the engineer is aiming for. You will get better sound quality if you choose an earpiece that fits your ears."

Tomohiro Matsuo, Headphone Designer & Fifth Master Ear Molder



EX Monitor



MDR-EX1000

Reproduces highly accurate sound



- 16mm dynamic type driver units deliver a wide frequency range and broader dynamic range, reproducing accurate sound
- Driver unit's diaphragm utilising Liquid Crystal Polymer Film for highly accurate sound
- Thin and lightweight magnesium alloy housing to prevent unnecessary vibration for smooth bass response and clear mid-high range sound
- 7N-OFC, Oxygen Free Copper with super high-purity (99.99999%), is used for the core of the cord to minimise signal transmission loss
- Acoustically adjusted by hand
- Secure fitting with flexible hanger
- Closed type vertical in-the-ear headphones for wearing comfort
- 7 sizes of hybrid silicon rubber earbuds for secure fit and long-term wearing comfort (SS, S, MS, M, ML, L, LL)
- 3 sizes of noise isolation earbuds for effective attenuation of ambient noise (S, M, L)
- Detachable cord (1.2m/0.6m)
- Genuine leather carrying case supplied

MDR-EX600

Precision monitor quality headphones



- Ultra-small 16mm dynamic driver units with unique wearing style
- Closed, vertical in-ear headphones with 440kJ/m³ neodymium magnet and high energy efficiency to enhance the sensitivity of sound
- Specially created multi-layer diaphragm for precision monitor sound
- Ultra-high sensitivity driver reproduces wider dynamic range and wider frequency response
- 2 types of high-polymer materials at less than 0.1mm thick in a few hundred layers as diaphragm for good sound reproduction
- Light and sturdy magnesium is used to make driver unit small and minimise unnecessary vibration for smooth bass response and clear mid-to high-range sound
- 7 hybrid silicon rubber earbuds SS(2), S(2), MS(2), M(2), ML(2), L(2), LL(2)
- 3 noise isolation earbuds S(2), M(2), L(2)
- Equipped with leather carrying case



MDR-EX510SL

Enjoy vivid quality sound

- Ultra-small 13.5mm driver units with soft silicon earbud to allow stable and comfortable fit
- Closed acoustic construction reproduces vocal and instrumental sound with vivid quality
- Multi-layer diaphragm for reproduction of high resolution sound
- Machined aluminum housing improves sound quality, texture and durability
- Aluminium housing minimises vibration for smooth bass response and clear mid- to high-range sound
- Long bushing prevents cord tangling and breakage
- Equipped with leather case for easy storage

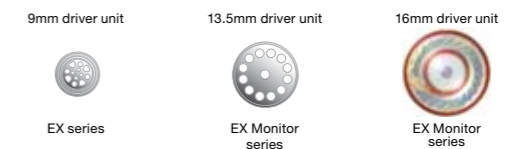
MDR-EX310SL

Enjoy reproduction of precision monitor quality sound

- Ultra-small 13.5mm driver units with soft, hybrid silicon earbuds allow for stable and comfortable fit
- Long bushing prevents cord tangling and breakage
- Exceptionally high-density neodymium magnet of 400kJ/m³ reproduces powerful bass and clear treble
- Equipped with carrying case for easy storage

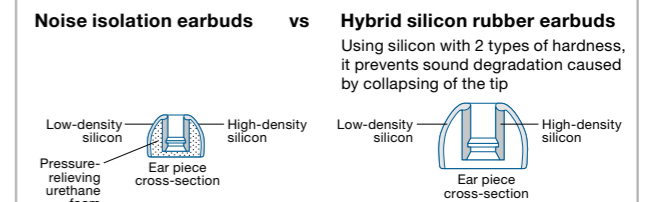
EX and EX Monitor series features

• Driver unit



• Noise isolation earbuds vs Hybrid silicon rubber earbuds

Noise isolation earbuds keep out surrounding noise with pressure-relieving urethane foam that fills up the ear canal completely. Comparatively, hybrid earbuds prevent sound leakage with a firm core and give a more comfortable fit with a soft outer portion.



Models with noise isolation earbuds: EX1000, EX600
Models with hybrid silicon earbuds: All other Sony EX Series headphones

Specifications	MDR-EX1000	MDR-EX600	MDR-EX510SL	MDR-EX310SL
Type	Closed, Dynamic			
Driver Unit	16mm diameter, dome type (CCAW adopted)		13.5mm diameter, dome type (CCAW adopted)	
Sensitivity	108 dB/mW	107 dB/mW	106 dB/mW	105 dB/mW
Impedance	32 ohms at 1 KHz			16 ohms at 1 KHz
Magnet	Neodymium			
Frequency Response (Hz)	3-30,000 Hz	4-28,000Hz	5-27,000Hz	5-25,000Hz
Power Handling Capacity	200 mW (IEC)			100mW (IEC)
Cord	1.2m/0.6m 7N-OFC Litz cord, Y-type, detachable	1.2m/0.6m OFC Litz cord, Y-type, detachable	0.6m OFC Litz cord, neck-chain	
Supplied Accessories	Hybrid silicon rubber earbuds SS(2), S(2), MS(2), M(2), ML(2), L(2), LL(2)/Noise isolation earbuds S(2), M(2), L(2)/1.2m cord/0.6m cord/Carrying case		Hybrid silicon rubber earbuds SS(2), S(2), M(2), L(2)/Noise isolation earbuds S(2), M(2), L(2)/Extension cord (90cm)/Cord adjuster/Carrying pouch	
Weight (Without cord)	Approx. 8g			Approx. 7g



The New EX Series



MDR-EX77SL

Enjoy higher sensitivity for a wider acoustical range

- Newly developed 9mm driver units
- Angled earbud structure allows enhanced sound quality
- Hybrid earbuds for improved wearing comfort
- Exceptionally high-density neodymium magnet of 400kJ/m³ reproduces powerful bass and clear treble
- Equipped with cord adjuster for convenience



MDR-EX57SL

Enjoy isolation from external noise, with powerful bass and clear treble

- Ultra-small 9mm driver units with soft silicon earbuds allow stable and comfortable in-ear fit
- Closed structure enables isolation from external noise
- High-density neodymium magnet (400kJ/m³)
- Angled earbud structure for improved wearing comfort
- Ultra-thin housing for enhanced comfortable fitting



MDR-EX58V

High-resolution treble and midrange sound with powerful bass

- Easy-to-use volume control on cord
- High-density acoustic resistor for deep bass
- Angled earbud structure for stable and comfortable wearing
- 400kJ/m³ high power neodymium magnets
- Hybrid silicon rubber earbuds (S, M, L) supplied for secure fitting and long-term wearing comfort
- Y-type cord with cord slider to prevent cord tangling
- Convenient cord adjuster supplied



MDR-EX50LP

High-density acoustic resistor for deep bass

- Angled earbud structure for stable and comfortable wearing
- 400kJ/m³ high power neodymium magnets
- Hybrid silicon rubber earbuds for secure fit and comfort
- Y-type cord with cord slider
- Convenient cord adjuster supplied



MDR-EX10LP

Enjoy high-resolution treble and midrange sound with powerful bass

- 400kJ/m³ high power neodymium magnets
- Hybrid silicon rubber earbuds (S, M, L) supplied for secure fitting and long-term wearing comfort
- Y-type cord with cord slider to prevent cord tangling
- Convenient cord adjuster supplied

Specifications	MDR-EX77SL	MDR-EX57SL	MDR-EX58V	MDR-EX50LP	MDR-EX40LP	MDR-EX10LP
Type	Closed, Dynamic					
Driver Unit	9mm diameter, dome type (CCAW adopted)					
Sensitivity	103 dB/mW	100 dB/mW				
Impedance	16 ohms at 1 KHz					
Magnet	Neodymium					
Frequency Response (Hz)	6-24,000Hz	6-23,000Hz	5-23,000Hz	6-23,000Hz	8-22,000Hz	
Power Handling Capacity	100mW (IEC)					
Cord	OFC Litz cord neckchain 0.6m+0.9m cord length		1.2m Litz cord, Y-type	1.2m Litz cord, Y-type		
Supplied Accessories	Straight stereo mini-plug (gold)		Earbuds S (2), M (2), L (2) Cord adjuster (1)		Earbuds SS (2), S (2), M (2)	Earbuds S (2), M (2), L (2)
Weight (Without cord)	Approx. 4g		Approx. 3g			

Youth



MDR-770LP

Urban and stylish overband headphones for males

- Thin and seamless headband for image-conscious males
- Closed headphones with large 30mm driver units for high quality sound reproduction
- Pressure-relieving urethane ear pads for comfortable wear
- Supplied cord adjuster for better management of wires



MDR-570LP

Casual and street style overband headphones for males

- Thin and lightweight headband ideal for image-conscious males
- Closed headphones with large 30mm driver units for high quality sound reproduction
- Pressure-relieving urethane ear pads for good wearing comfort
- Convenient swivel design for easy portability



Baby Blue



Lovable Lime

Whimsical White

Precious Pink

MDR-370LP

Cute and colourful overband headphones specially created for females

- Small headband size with thin and lightweight headband ideal for image-conscious females
- Closed headphones with large 30mm driver units for high quality sound reproduction
- Supplied cord adjuster for better management of wires

Specifications	MDR-770LP	MDR-570LP	MDR-370LP
Type	Open Air, Dynamic	Closed, Dynamic	Open Air, Dynamic
Driver Unit	30mm diameter, dome type (CCAW adopted)		
Sensitivity	107 dB/mW	105 dB/mW	106 dB/mW
Impedance	24 ohms at 1 KHz		
Magnet	Neodymium (400kJ/m ³)		
Frequency Response (Hz)	12-24,000Hz	12-22,000Hz	14-22,000Hz
Power Handling Capacity	1000mW (IEC)		
Cord	1.2m		
Supplied Accessories	Straight stereo mini-plug (gold)		
Weight (Without cord)	Approx. 76g	Approx. 110g	Approx. 52g



iPod/iPhone Compatible Headphones



DR-V150iP

Studio monitor sound and style

- In-line remote for volume and track control
- Built-in microphone for hands-free iPhone calls
- Neodymium magnets for powerful bass and clear treble sounds
- Dynamic circumaural DJ headphones with large 30mm driver units for high quality sound



DR-EX300iP

Reproduces sound with vivid clarity

- In-line remote for volume and track control
- Built-in microphone for hands-free iPhone calls
- Neodymium magnets for powerful bass and clear treble sounds
- Closed type vertical in-ear headphones for greater comfort
- 13.5mm driver units reproduce vocal and instrumental sounds with vivid clarity
- Hybrid silicon rubber earbuds for secure fit and long-term comfort



MDR-EX38iP

Clear and rich sounds with deep bass

- In-line remote for volume and track control
- Built-in microphone for hands-free iPhone calls
- Neodymium magnets for powerful bass and clear treble sounds
- Convenient cord adjuster supplied



DR-E10iP

Enjoy powerful bass and clear treble sounds

- In-line remote for volume and track control
- Built-in microphone for hands-free iPhone calls
- Neodymium magnets for powerful bass and clear treble sounds
- 300KJ/m³ high power neodymium magnet for powerful bass and volume
- 13.5mm driver units



Specifications	DR-V150iP	DR-EX300iP	MDR-EX38iP	DR-E10iP
Type		Closed, Dynamic		Open Air
Driver Unit	30mm diameter, dome type (CCAW adopted)	13.5mm diameter, dome type (CCAW adopted)	9mm, dome type	13.5mm diameter
Sensitivity	98 dB/mW	105 dB/mW	100 dB/mW	104 dB/mW
Impedance	24 ohms at 1 KHz	17 ohms at 1 KHz	16 ohms at 1 KHz	
Magnet	Ferrite (300KJ/m ³)	Neodymium (300KJ/m ³)	Neodymium	Neodymium (300KJ/m ³)
Frequency Response (Hz)	16-22,000Hz	5-24,000Hz		18-22,000Hz
Power Handling Capacity	500mW (IEC)	1000mW (IEC)	100mW	100mW (IEC)
Cord	OFC Y-chain 2m cord length	OFC Litz cord neckchain, 0.6m+0.9m	TPC Y-shape	OFC Y-chain 1.2m cord length
Supplied Accessories	Unimatch plug	Straight stereo mini-plug (gold)	L shaped stereo mini-plug (gold)	
Weight (Without cord)	Approx. 120g	Approx. 6g	Approx. 3g (With cord)	Approx. 6g

Fashionable



MDR-EX33A

12 pretty colours to match your wardrobe

- 12 colour variations specially created for females
- Ideal for image-conscious females who desire a pair of headphones that matches their fashion style
- Ultra-small 9mm driver units with soft, silicon earbuds allow for stable and comfortable fit
- Closed structure enables isolation from external noise
- Exceptionally high-density neodymium magnet of 400kJ/m³ reproduces powerful bass and clear treble

Crystal Cut design

Made with SWAROVSKI ZIRCONIA



MDR-EX80LP

Blissful sophistication and richness with a touch of bling

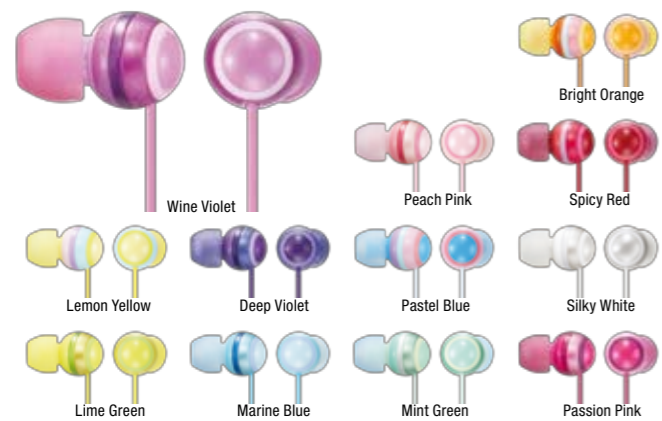
- 12 colours with two designs, made with SWAROVSKI ZIRCONIA and Crystal Cut design
- Different sizes of interchangeable hybrid silicon rubber buds to fit all ear sizes
- Crisp, clear and warm audio at any volume with 9mm-sized driver unit



MDR-E10LP

4 vivid colours with clear treble sound

- High quality 13.5mm driver units for outstanding sound quality
- Neodymium magnets for powerful bass and clear treble sound
- 4 colour variations ideal for teenage girls



MDR-EX40LP

Pastel layered colours for the feminine you

- Each earphone is beautifully layered with 6-colours design
- Different sizes of interchangeable hybrid silicon rubber buds to fit all ear sizes
- Crisp, clear and warm audio at any volume with 9mm-size driver unit
- Cable splits into two ways at the end of unit to prevent cable tangling



MDR-E11LP

Sporty design with clear treble sound

- High quality 16mm driver units for outstanding sound quality
- Neodymium magnets for powerful bass and clear treble sound
- 4 colour variations ideal for teenage boys



MDR-Q68LW

Improved design, clip-style headphones with retractable cord

- Clip-type headphones with revolving mechanism provide a snug fit for different ear sizes, thereby minimising sound leakage and offering consistent audio quality
- Neodymium magnet for powerful bass sound and clear treble sound
- Large 30mm driver unit for high quality powerful sound reproduction
- Retractable, silent mechanism to keep plug cords tangle-free and durable
- Low dispersion ear pads provide improved wearing comfort
- New hanger mechanism for better fit



MDR-ED12LP

Metallic sheen design with enhanced bass sound

- Wide 16mm driver units provide powerful bass sound
- Bass booster earpiece shape enhances bass sound reproduction
- Unique earbud design provides stable fit and comfort



MDR-Q38LW

Improved design, clip-style headphones with retractable cord

- Clip-type headphones with revolving mechanism provide a snug fit for different ear sizes, thereby minimising sound leakage and offering consistent audio quality
- Both neck chain and plug cord are retractable with silent mechanism
- 30mm driver units provide high quality powerful sound
- High-power neodymium magnet for superior sound accuracy
- Low dispersion ear pads for greater comfortability
- New hanger mechanism for better fit



Specifications	MDR-EX80LP	MDR-EX40LP	MDR-EX33A	MDR-E10LP	MDR-E11LP	MDR-ED12LP
Type	Closed, Dynamic			Open Air, Dynamic		
Driver Unit	9mm diameter, dome type (CCAW adopted)			13.5mm diameter, dome type (CCAW adopted)	16mm diameter, dome type (CCAW adopted)	
Sensitivity	100 dB/mW			104 dB/mW	108 dB/mW	
Impedance	16 ohms at 1 KHz					
Magnet	Neodymium		Neodymium (400kJ/m ³)	Neodymium (300kJ/m ³)		
Frequency Response (Hz)	5-23,000Hz	6-23,000Hz		18-22,000Hz	10-22,000Hz	8-22,000Hz
Power Handling Capacity	100mW (IEC)					
Cord	1.2m Litz cord, Y-type		TPC Y-chain, 1.2m cord length	OFC Y-chain, 1.2m cord length	TPC Y-chain, 1.2m cord length	
Supplied Accessories	Earbuds SS (2), S (2), M (2)			L shaped stereo mini-plug (gold)		
Weight (Without cord)	Approx. 3g			Approx. 6g	Approx. 5g	Approx. 6g



MDR-J10

Clip type, open air dynamic headphones

- Sony Acoustic Twin Turbo Circuit (S.A.T.T.C.) for rich bass, with a good balance of high notes
- Neodymium magnet for powerful bass sounds
- Lightweight and comfortable while maintaining stability
- Snug fit on the ears minimises sound leakage and maintains stable audio quality
- Cord slider prevents cord tangle during storage



MDR-NE2

Fashionable vivid colour neck strap to complement your MP3 player

- Neck strap design ideal for attaching MP3 players
- Adjustable headphones and plug-cord lengths for comfortable usage
- Fashionable acrylic neck strap
- Neodymium magnet for powerful bass sounds
- Equipped with straight stereo mini-plug



MDR-KE30LW

Retractable Fontopia with karabiner

- Key-ring style ideal for wearing headphones with MP3 player on waist or on a bag
- Stereo headphones with retractable cord
- High-density neodymium magnet (300kJ/m³) provides powerful bass and superior sound quality

Specifications	MDR-Q68LW	MDR-Q38LW	MDR-J10	MDR-NE2	MDR-KE30LW
Type	Open Air, Dynamic				
Driver Unit	30mm diameter, dome type (CCAW adopted)		13.5mm diameter, dome type (CCAW adopted)		
Sensitivity	108 dB/mW		104 dB/mW		
Impedance	24 ohms at 1 KHz		16 ohms at 1 KHz		
Magnet	Neodymium (300kJ/m ³)		Neodymium (400kJ/m ³)		
Frequency Response (Hz)	16-24,000Hz		18-20,000Hz	18-22,000Hz	
Power Handling Capacity	1000mW (EIA)		100mW (IEC)		
Cord	TPC Singled sided, 1m cord length		TPC Y-chain, 1.2m cord length	OFC Litz cord, 0.7m (plug in headphones), 0.4m strap length	TPC Y-chain, 1m cord length
Supplied Accessories	Straight stereo mini-plug (gold)		L shaped stereo mini-plug (gold)	Straight stereo mini-plug (gold)	
Weight (Without cord)	Approx. 43g		Approx. 10g	Approx. 6g	Approx. 4g



FONTOPIA

MDR-E888LP

Bio-cellulose diaphragm for pure and natural sounds

- Wide frequency response for portable digital audio products
- Highest-power neodymium magnet (30% higher than conventional neodymium) for high resolution of sounds
- Flexible duct using rubber material for good fitting to ears
- Super-thin housing for added comfort
- Long bushing for durability and lessened entangling of cord
- Stylish neck-chain-type cord for comfortable usage



MDR-E829V

Your basic essential with volume controller for ease of control

- Neodymium magnet for powerful bass sounds
- Rotary-slide-type volume control for easy volume level adjustment



MDR-E828LP

Your basic essential for powerful bass sounds

- Neodymium magnet for powerful bass sounds



MDR-E737LP

Your basic essential with neck-chain-style cord for maximum comfort

- Stylish neck-chain-type cord for comfortable usage
- Neodymium magnet for powerful bass sounds



MDR-E818LP

Your basic essential for powerful bass sounds

- Neodymium magnet for powerful bass sounds

Specifications	MDR-E888LP	MDR-E829V	MDR-E828LP	MDR-E737LP	MDR-E818LP
Type	Open Air, Dynamic				
Driver Unit	16mm diameter, dome type (CCAW adopted)				
Sensitivity	108 dB/mW				
Impedance	16 ohms at 1 KHz				
Magnet	Neodymium (300kJ/m ³)				
Frequency Response (Hz)	8-27,000Hz	12-22,000Hz			
Power Handling Capacity	50mW (IEC)				
Cord	TPC Y-chain, 1.2m cord length				
Supplied Accessories	L shaped stereo mini-plug (gold)				
Weight (Without cord)	Approx. 7g	Approx. 6g			

Active Style Series

Designers' Interview

Move to the beat

Put on Active Style headphones and hit the gym. Designed to combine fitness, fashion and the latest in audio technology, these sleek performers let you enjoy your favourite tunes while looking good and feeling good. Work up a sweat as you groove to a fresh, distinctive style with the Active Style headphones.

Perfect synergy of fashion, fitness and technology

"When we took on the design of Active Style headphones, we kept three themes in mind: fashion, fitness, and technology. By technology, we meant compelling structural design, performance and reliability. We're lucky that high-tech materials today enable very polished styling and are extremely high-performance when put in use. We were impressed by the attention to materials and details and sought to express the same thing in headphone design."

Jun Komiya, Sony Corporation Creative Centre Producer

One design, five models.

"For headphones worn during fitness activities, our first task is ensuring a good fit. They must not fall off easily, even if users move around a lot. But enlarging the pads or applying too much pressure on users' ears is hardly an elegant solution. From the standpoint of design, structurally simple headphones that gently envelop your ears and resist falling off would be desirable. Surprisingly, there were no precedents for the ideal shape. After trying several approaches, we decided on five models of Active Style headphones."

Yasuo Yuyama, Sony Corporation Creative Centre Senior Producer

Beauty inside and out

"Active Style is an original set of products, so we tried a new style of packaging. Clamshells are expected to showcase the entire product. But this time, we defied convention by concealing half of the headphones. We tease people by revealing the most attractive portions of each model in a cutaway window. It's an effect that works well with symmetrical products such as these. I think we succeeded in reworking traditional clamshell packaging while letting the products, which are unmistakable examples of Sony style, play the starring role."

Natsuki Kimura, Sony Corporation Creative Centre Designer

Music and fitness. It's your style.

"For designers, headphones are very satisfying products to work on. Not many things in industrial design are so close to users, physically. They're virtually extensions of the user's body. These kinds of products can't be described by specifications alone. We can invite users to find their own unique style through design, and that's enjoyable. It's the greatest compliment to us if users refuse to part with their favourite headphones, even after replacing their audio player."

Jo Wada, Sony Corporation Creative Centre Chief Art Director

Active Style



MDR-AS100W

Premium lightweight overband in-ear headphones

- Ultra-small 13.5mm driver units with 300kJ/m³ neodymium magnet for wide frequency response and dynamic range
- Lightweight and secure-fitting headphones support long hours of wearing comfort
- Premium and stylish design
- Wearing style allows for active movement – headphones remain securely attached to your ears
- Moisture guard and shock absorbing mechanism makes it ideal for sports
- Single-sided cord for sports usage
- Short cord (0.6m) solution for armband use, extension cord (0.6m) supplied.



MDR-AS50G

In-ear spiral neckband headphones

- Ultra-small, 9mm in-ear headphones provide deep bass and comfortable fit
- Lightweight spiral neckband headphones for secure fit and comfort
- Newly developed cord solution ideal for sports usage
- Wearing style allows for active movement – headphones remain securely attached to your ears
- Short cord (0.6m) solution for armband use; extension cord (0.6m) supplied



MDR-AS40EX

Soft rubber ear-clip headphones

- Ultra-small, 9mm in-ear headphones provide deep bass and comfortable fit
- 3 sizes of changeable soft hangers for secure and comfortable fit
- Soft hangers made of elastomer material for a snug and comfortable fit on your ears
- Wearing style allows for active movement – headphones remain securely attached to your ears
- Short cord (0.6m) solution for armband use; extension cord (0.6m) supplied



MDR-AS35W

Lightweight vertical in-ear type design

- Compact folding design
- Powerful bass sound is provided by bass booster



MDR-AS30G

Street style behind-the-neck headphones

- 30mm on-the-ear headphones with behind-the-neck headband
- Newly developed Stability Tip enhances fitting and comfort
- Unique flattened structure for ease of portability
- Wearing style allows for active movement – headphones remain securely attached to your ears
- Short cord (0.6m) solution for armband use; extension cord (0.6m) supplied



MDR-AS20J

Soft and secure loop hanger headphones

- Newly designed loop hangers fit a wide range of ear sizes
- Soft hangers made of elastomer material for a snug and comfortable fit
- Lightweight clip-on style (vertical on-the-ear)
- Water-resistant
- Wearing style allows for active movement – headphones remain securely attached to your ears

Specifications	MDR-AS100W	MDR-AS50G	MDR-AS40EX	MDR-AS35W	MDR-AS30G	MDR-AS20J
Type	Closed, Dynamic			Open Air, Dynamic	Closed, Dynamic	
Driver Unit	13.5mm diameter, dome type (CCAW adopted)	9mm diameter, dome type (CCAW adopted)		13.5mm, dome type	30mm diameter, dome type (CCAW adopted)	13.5mm diameter, dome type (CCAW adopted)
Sensitivity	105 dB/mW	100 dB/mW		104 dB/mW	106 dB/mW	104 dB/mW
Impedance	16 ohms at 1 KHz				24 ohms at 1 KHz	16 ohms at 1 KHz
Magnet	Neodymium (300kJ/m ³)					
Frequency Response (Hz)	8-25,000Hz	9-23,000Hz	10-23,000Hz	18-22,000Hz	14-23,000Hz	18-22,000Hz
Power Handling Capacity	100mW (IEC)			50mW (IEC)	1,000mW (IEC)	50mW (IEC)
Cord	OFC single side, 0.6m+0.6m cord length	TPC single side, 0.6m+0.6m cord length		TPC Y-shape, 2 ft	TPC single side, 0.6m+0.6m cord length	TPC single side, 1.2m cord length
Supplied Accessories	Straight stereo mini-plug (gold)					Straight stereo plug (gold)
Weight (Without cord)	Approx. 25g	Approx. 13g	Approx. 6g	Approx. 17g	Approx. 40g	Approx. 12g



HiFi Home Theatre

HiFi Home Theatre – Super Audio

Sounds of the highest quality

Technology to reproduce high grade sound with a wide bandwidth up to 110KHz*
New technologies to achieve high quality sound are employed to reproduce sound with a wide bandwidth and dynamic range recorded by Super Audio CDs as well as to realise subtle nuances of sound or ambience.

* Up to 100KHz by MDR-SA3000

Newly developed HD driver units

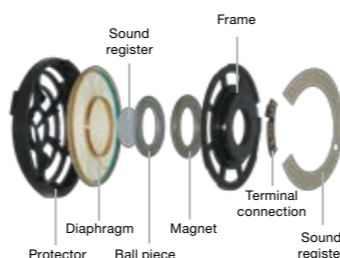
The shape used for these diaphragms of the newly developed HD driver units is calculated from computer simulations experimenting with hundreds of different shapes as well as actual test listening. Full range of the bandwidth is reproduced from very low to high frequency by using only one unit without separating bandwidth two or three ways.

Newly developed diaphragm made of nano-composite**

The diaphragm, which is the core element in sound productions, uses a very thin nano-composite specially developed for headphones. The material can meet demanding expectations at high level, combining high rigidity and light weight, both of which are necessary characters for materials for driver units' diaphragms. It has enabled a wide bandwidth that goes higher than 100KHz. At the same time, it controls unnecessary resonance thanks to its character of low dependence on frequency as well as high internal loss. As the result, it produces clear sound without any idiosyncrasies.

** MDR-SA3000 only

MDR-SA5000	5-110KHz
MDR-SA3000	8-100KHz
MDR-SA1000	8-80KHz



MDR-SA3000

High quality headphones for Super Audio CD

- Super-wide frequency range with nano-composite high definition driver units
- Super-lightweight frame structure
- Pressure dispersion pad for wearing comfort
- Natural leather ear pads
- 360kJ/m³ neodymium magnet for superior sound accuracy
- Cloth-covered cord with 6N-OFC core for more accurate sound transmission

Specifications	MDR-SA3000
Type	Open Air, Dynamic
Driver Unit	50mm diameter, dome type (OFC adopted)
Sensitivity	100 dB/mW
Impedance	70 ohms at 1 KHz
Magnet	Neodymium (360kJ/m ³)
Frequency Response (Hz)	8-100,000Hz
Power Handling Capacity	1,500mW (IEC)
Cord	OFC, 3.5m cord length
Supplied Accessories	Unimatch plug (gold)
Weight (Without cord)	Approx. 265g

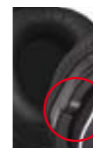
HiFi Home Theatre – Audio Visual

Newly developed diaphragm for long stroke



A new shape enables bigger vibration of the diaphragm and more air movement. It increases maximum sound pressure level and contributes for cinema-quality sound with realistic sensation.

Sound mode Selection switch



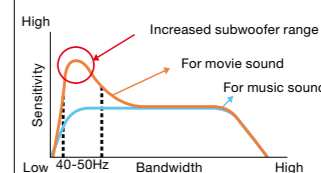
Sound mode selection switch is located on the housing.

Convenient to choose the best sound quality for [visual] or [music].

Movie mode Powerful bass sound
Sound effect of movie is based on the subwoofer. Emphasis of the lower frequency enables cinema experience with powerful sound.

Music mode Natural sound
For natural and clear reproduction of sound source from CDs.

Sound character of "Movie mode" / "Music mode".



MDR-XD400

Produces movie quality sound for optimal entertainment experience

- Closed-type headphones with long-stroke diaphragm with dynamic movie sounds
- Capable of producing movie quality sound with dynamic sound range
- Sound mode switch for convenient movie and music enjoyment
- Comfortable fit with parallel link-free-adjustable headband and urethane leather ear pads
- Ear-conscious design for wearing comfort
- Large 50mm driver units with 360kJ/m³ high-power neodymium magnet for outstanding sound quality



MDR-XD300

Parallel link-free adjustable headband

- Closed-type headphones with long-stroke diaphragm with dynamic movie sounds
- Capable of producing movie quality sound with dynamic sound range
- Sound mode switch for convenient movie and music enjoyment
- Comfortable fit with parallel link-free-adjustable headband and urethane leather ear pads
- Ear-conscious design for wearing comfort
- Large 40mm driver units with 360kJ/m³ high-power neodymium magnet for outstanding sound quality



MDR-XD200

Urethane leather earpads for optimal wearing comfort

- Closed-type headphones with long-stroke diaphragm with dynamic movie sounds
- Capable of producing movie quality sound with dynamic sound range
- Sound mode switch for convenient movie and music enjoyment
- Comfortable fit with urethane leather ear pads
- Ear-conscious design for wearing comfort
- Large 40mm driver units with 360kJ/m³ high-power neodymium magnet for outstanding sound quality



MDR-XD100

Your basic essential for optimal movie sound quality

- Closed-type headphones with long-stroke diaphragm for dynamic movie sound
- Comfortable fit with urethane leather ear pads
- Ear-conscious design for wearing comfort
- Large 40mm driver units for high quality sound



MDR-RF970RK

Digital Wireless Transmission with high clarity

- RF wireless headphone system (900MHz)
- Terminal-free battery charge for easy operation
- Manual tuning function
- Useful automatic power ON/OFF function
- 3 transmission channels to ensure optimum signal reception
- 150ft (46m) transmission range
- Volume control function

Specifications	MDR-XD400	MDR-XD300	MDR-XD200	MDR-XD100
Type	Closed, Dynamic			
Driver Unit	50mm diameter, dome type (OFC adopted)	40mm diameter, dome type (CCAW adopted)		
Sensitivity	106 dB/mW	104 dB/mW	102 dB/mW	100 dB/mW
Impedance	24 ohms at 1 KHz	70 ohms at 1 KHz		
Magnet	Neodymium (360kJ/m ³)			
Frequency Response (Hz)	5-30,000Hz	8-25,000Hz	10-22,000Hz	12-22,000Hz
Power Handling Capacity	3,000mW (IEC)	1,500mW (IEC)		
Cord	OFC, 2.5m+2.5m cord length		OFC, 3.5m cord length	
Supplied Accessories	Unimatch plug (gold)			Unimatch plug
Weight (Without cord)	Approx. 260g	Approx. 245g	Approx. 220g	Approx. 175g

HiFi Home Theatre – Cordless



MDR-RF4000K

High sound quality with 2.4GHz RF Digital Transmission

- Automatic ON/OFF functions on headphones to preserve battery life
- Less hiss noise and high sound quality with 2.4GHz RF Digital Transmission
- Real-time channel selection
- Battery is charged by sliding the headphones into the processor
- 2-way layout setting style



MDR-IF240RK

Lightweight, open-air headphones for long hours of listening comfort

- Single volume control on headphones to control left and right-channel volume simultaneously
- Signal reception of up to 7m (direct distance with no blockage)
- Large 30mm driver units for high quality sound reproduction
- 2 audio inputs available for easy connection with TV, audio equipment and PC
- Automatic battery recharge function for lesser running cos (headphones automatically charge by setting headphones on transmitter) for outstanding sound quality





MDR-IF140K

Lightweight, open air headphones for long hours of listening comfort

- Signal reception of up to 7m (direct distance with no blockage)
- Large 30mm driver units for high quality sound reproduction
- 2 audio inputs available for easy connection with TV, audio equipment and PC

Specifications	MDR-RF400K	MDR-RF970K	MDR-RF925RK	MDR-IF240RK	MDR-IF140K
Type	Closed, Dynamic			Open Air, Dynamic	
Driver Unit	40mm diameter, dome type	40mm		30mm diameter, dome type (CCAW adopted)	
Operating Time (Fully charged NIMH Rechargeable Battery)	Approx. 7 hours	Approx. 14 hours (Fully charged supplied NIMH battery) Approx. 22 hours (AAA type Alkaline battery)	Approx. 18 hours (Fully charged supplied NIMH battery) Approx. 28 hours (AAA type Alkaline battery)	Approx. 35 hours (Fully charged NIMH rechargeable battery) Approx. 60 hours (Sony Alkaline battery LR03) Approx. 28 hours (Sony Manganese battery R03)	Approx. 60 hours (Sony Alkaline battery LR03)
Magnet	Ferrite	Neodymium	Ferrite	Neodymium (360kJ/m ³)	
Frequency Response (Hz)	12-20,000Hz	10-22,000Hz	20-20,000Hz	18-22,000Hz	
Dimensions (W x H x D)	246 x 62 x 129mm	216 x 105 x 96mm		154 x 78 x 99mm	152 x 38 x 72mm
Supplied Accessories	Headphones: Rechargeable NIMH battery pack. Transmitter: Supplied AC Power Adaptor			Headphones: Supplied Size "AAA" NIMH rechargeable battery, 1 x "AAA" Alkaline battery, Manganese 1 x Battery "AAA". Transmitter: Supplied AC Power Adaptor	Headphones: 1 x "AAA" Alkaline battery, 1 x "AAA" Manganese battery. Transmitter: Supplied AC Power Adaptor
Weight (Incl. Batteries)	Approx. 300g			Approx. 125g (without cord)	Approx. 125g (without cord and batteries)



Street Style

MDR-G75SL

Street style headphones with retractable cord

- Street style with headband behind neck
- Retractable cord prevents cord from tangling and provides ease of portability
- Pressure-relieving urethane cushion for comfortable fit
- Large 30mm driver units provide high quality, powerful sound reproduction
- High-power neodymium magnet (300kJ/m³) for superior sound accuracy
- Foldable for greater portability



MDR-G55LP

Urban neckband headphones with changeable colour caps so you can mix and match to suit your preference of black, red, white.

- Folds away for easy storage and portability
- Compact folding design
- 300kJ/m³ high power neodymium magnet reproduces powerful bass sounds



Specifications	MDR-G75SL	MDR-G55LP
Type	Open Air, Dynamic	
Driver Unit	30mm diameter, dome type (CCAW adopted)	
Sensitivity	106 dB/mW	
Impedance	24 ohms at 1 KHz	
Magnet	Neodymium (300kJ/m ³)	
Frequency Response (Hz)	12-24,000Hz	16-20,000Hz
Power Handling Capacity	1000mW (IEC)	
Cord	1m	1.2m
Supplied Accessories	L-shaped stereo mini-plug (gold)	
Weight (Without cord)	Approx. 60g	Approx. 53g



Core



MDR-410LP

Outdoor foldable headphones with powerful bass sound

- Slim, single headband with adjustable housing mechanism provides precise and comfortable fit.
- Large 30mm driver units for high quality sound reproduction
- Neodymium magnet for powerful bass sounds
- Gold-plated stereo mini-plug
- Open-air type housing



MDR-310LP

Compact headphones for outdoor use

- Slim, single headband with adjustable housing mechanism
- Large 30mm driver units for high quality sound reproduction
- Foldable headband for easy carrying and storing
- Open-air type housing



MDR-210LP

Affordable headphones for indoor and outdoor use

- Slim, single headband with adjustable housing mechanism
- Large 30mm driver units for high quality sound reproduction
- Nickel-plated uni-match plug
- Open-air type housing



MDR-210TV

Useful volume control and code for TV users

- Long 5m cord for wide listening area
- Large 30mm diameter driver unit for high quality sound reproduction
- Convenient volume control with mono/stereo switch
- Single-sided cord minimises nuisance of cord
- Nickel-plated unimatch plug



MDR-110LP

Basic headphones with high quality sound

- Slim, single headband with adjustable housing mechanism
- Large 30mm driver units for high quality sound reproduction
- Nickel-plated stereo mini-plug
- Open air type housing

Specifications	MDR-410LP	MDR-310LP	MDR-210LP	MDR-210TV	MDR-110LP
Type	Open Air, Dynamic				
Driver Unit	30mm diameter, dome type (CCAW adopted)				
Sensitivity	105 dB/mW		100 dB/mW		
Impedance	24 ohms at 1 KHz				
Magnet	Ferrite				
Frequency Response (Hz)	14-22,000Hz	18-20,000Hz	14-20,000Hz		18-20,000Hz
Power Handling Capacity	1000mW (EIA)				
Cord	1.2m		1.5m	5m	1m
Supplied Accessories	L-shaped stereo mini-plug (gold)	L-shaped stereo mini-plug	Straight stereo unimatch plug		L-shaped stereo mini-plug
Weight (Without cord)	Approx. 52g	Approx. 49g	Approx. 52g		Approx. 46g



PC Headsets



DR-210DP

Affordable lightweight stereo headset for PC

- Low tension headband for long hours of comfortable usage
- Flexible boom microphone for easy adjustment of microphone position
- Bi-directional microphone designed to cancel noise and capture clear voice
- 2.5m single-sided cord with cord slider for use anywhere



DR-G240DPV

Fashionable neckband style with lightweight design

- Recommended for listening to MP3 music, internet gaming, internet telephony/chat and voice/speech recognition on PC
- Volume control for headphone and mute volume for microphone can be conveniently operated
- Flexible boom microphone for easy adjustment of microphone position
- Bi-directional microphone designed to cancel noise and capture clear voice
- 2.5m single-sided cord with cord slider for use anywhere



DR-270DP

Equipped with high sensitivity built-in microphone for superior voice clarity

- Closed-type headset for less sound leakage and louder base
- Pressure-relieving urethane cushion allows for perfect fit and comfortable wearing
- Headphones designed to reproduce clearer and higher sound quality
- Compact foldable design for easy carrying and storage
- Comes with Plug Rest structure and carrying case



DR-310DPV

Sleek style with lightweight feature

- Open-air type lightweight headband for PC users
- Open-air type headset with comfortable fit
- 30mm driver unit and in-line microphone





DR-320DPV

Ultra-lightweight for extended period of usage

- Designed for PC game users as well as music lovers
- Stylish headphones for PC game users and music lovers
- Open air type headset with comfortable fit
- Detachable voice tube for convenient use
- 30mm driver unit and built-in microphone



DR-GA200

Your gaming essential for excellent sound reproduction

- 40mm driver unit for premium gaming sound quality
- Long-lasting wearing comfort by triple enfolding design
- High quality, compact noise cancelling boom microphone



DR-GA500

Powerful sound reproduction for an ultimate gaming experience

- 7.1ch digital surround sound headset, ideal for FPS (first-person shooting)
- Effect settings: FPS, Surround, Off
- Long-lasting wearing comfort by triple enfolding design



DR-350USB

Designed for PC game users as well as music lovers

- USB connection for clear sound and noise reduction
- Detachable voice tube for convenient use
- 30mm driver unit and built-in microphone

Specifications	DR-210DP	DR-G240DPV	DR-270DP	DR-310DPV	DR-320DPV	DR-350USB	DR-GA200	DR-GA500
Type	Open Air, Dynamic							
Driver Unit	30mm diameter, dome type (CCAW adopted)						40mm diameter, dome type	
Sensitivity	100dB/mW		106 dB/mW	102 dB/mW	100dB/mW			
Impedance	26 ohms at 1 KHz	25 ohms at 1 KHz	24 ohms at 1 KHz			40 ohms at 1 KHz		
Frequency Response (Hz)	40-20,000Hz				14-22,000Hz			
Power Handling Capacity	100mW (EIA)						1000mW (IEC)	
Microphone Type	Electret Condenser							
Directivity	Bi-directional			Onmi-directional/Built-in			-	
Cord	2.5m		3m	1.2m	2.5m	2.7m (Analogue 1.2m+USB cable 1.5m)	1.5m	2.5m
Weight	Approx. 58g (without cord)	Approx. 75g (without cord)	Approx. 90g	Approx. 60g	Approx. 110g	Approx. 110g (Headset)/ 25g (USB audio box)	Approx. 310g	Approx. 240g



Outdoor

Features And Functions

Unimatch Plug

Converts stereo mini-plug into stereo Phono-plug. It is used to connect headphones with stereo mini-plug to the headphone jack of stereo amplifier.

Free Adjusting Headband

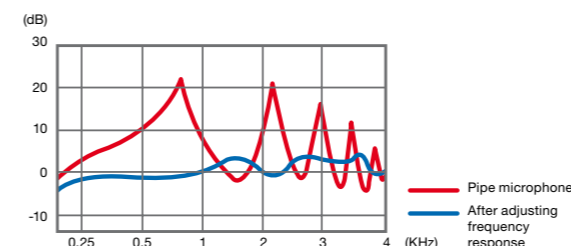
This new feature allows for comfortable and precise fit on the head.

Single-Sided Cord

Helps to minimise nuisance of cord.

Noise Cancelling Microphone (For PC Headsets)

Noise Cancelling Microphone enhances the clarity level when capturing the voice. It controls the frequency response by focusing on the voice band and makes adjustment to the frequency response, resulting in the blue line indicated. This blue line in the diagram shows the optimal level for clear voice.



Long Stroke Diaphragm

Maximum sound pressure of 120dB SPL is achieved by corresponding to a large amplitude in a super-low region.

Nano-Composite High-Definition Driver Unit

Equipped in Super Audio Series to reproduce wider frequency range up to 100KHz.

Neck-Chain Style

Neck-chain style cord goes around the back of the neck. Great for stylish and comfortable usage with no more wires dangling in the front.

Long Bushing

Long bushing improves durability of the cord, as there is less tangling.

Parallel Link-Free Adjusting Headband

Provides wider contact area for different head sizes so that the pressure of headphones is distributed more effectively. Thus, greater wearing comfort is achieved for longer listening hours.



MDR-D333LW

Ambient sound-in-mechanism housing with a diaphragm which allows the outside sound to be heard

- Auranomic design with retractable cord function
- Auranomic design for better sound reproduction and comfortable listening
- 30mm driver unit for high quality sound reproduction
- Ear conscious design for better wearing comfort
- Neodymium magnet for powerful bass sound
- Retractable cord for easy storage

Specifications	MDR-D333LW
Type	Closed, Dynamic
Driver Unit	30mm diameter, dome type (CCAW adopted)
Sensitivity	102 dB/mW
Impedance	24 ohms at 1 KHz
Magnet	Neodymium (300kJ/m ³)
Frequency Response (Hz)	12-24,000Hz
Power Handling Capacity	1000mW (IEC)
Cord	OFC single side, 1.2m cord length
Supplied Accessories	L-shaped stereo mini-plug (gold)
Weight (Without cord)	Approx. 166g

Bluetooth® Headphones

Music Unplugged.

Stand still. Sit down. Keep moving.

Whenever or wherever.

Free yourself from the being tied down

by the tangle of wires.

Go wireless with the power of

Bluetooth® and listen

to your music with

unlimited freedom.





No wires. No worries.

Discover the freedom of instant and unlimited wireless accessibility to your music. With the new line of advanced and sleek Bluetooth® accessories, you can connect to your favourite tunes stored on your A2DP enabled devices anywhere you go. Boasting hours of enjoyment on a single charge, you can spend your day out enjoying the world without a mess of wires and without even losing touch.

Enter the wireless world

Choose your favourite entertainment products and expand the boundaries of traditional entertainment. These newly developed Bluetooth® accessories connect to the music stored on your A2DP enabled media device for instant wireless freedom to enjoy your music anywhere. Go beyond boring traditional music playback and enjoy unlimited freedom.

What is A2DP?

A2DP technology is a new way of digitally streaming quality stereo music wirelessly from one Bluetooth® Wireless technology to another. A2DP Bluetooth® technology has been designed to allow users of mobile phones, PDAs and computers to experience the joy of wireless music freedom.



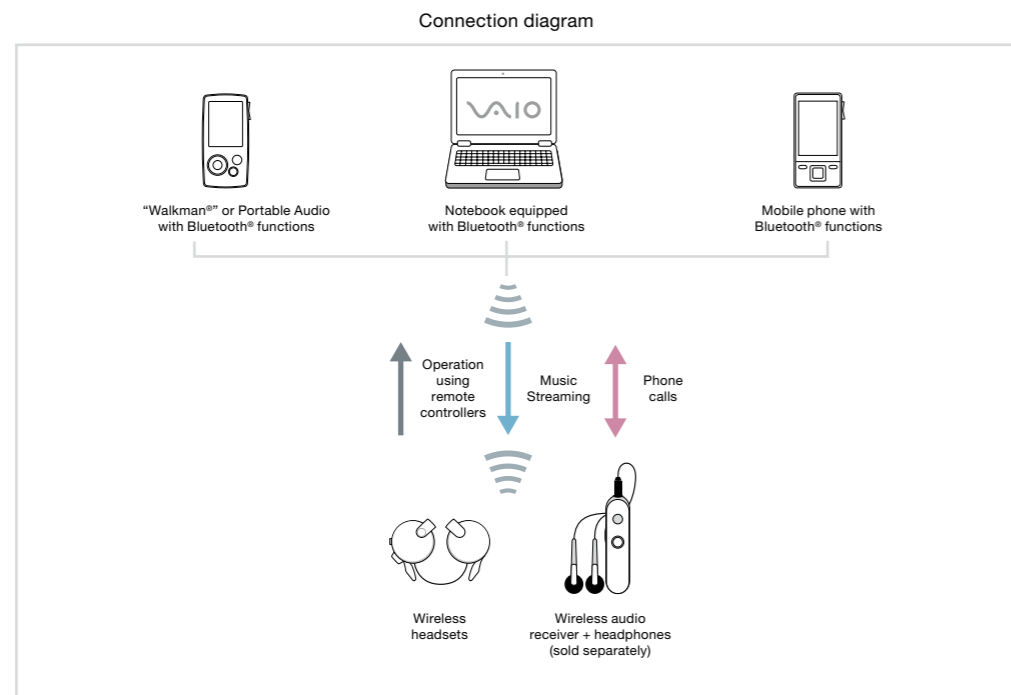


Bluetooth® Headphones

A proposal – the music life ahead is “wireless”

Bluetooth® wireless technology is a communication technology which enables wireless exchange of data from mobile equipment such as portable audio, mobile phones and notebook computers.

Enjoy music streaming from portable audio devices, notebooks and mobile phones freely. Leave the wires behind, it's time to go unplugged with Bluetooth®.



Transmit the music and audio from laptops equipped with Bluetooth® functions to wireless headsets or wireless audio receivers, and you can enjoy hands-free calls and¹ replay music. ²It is also possible to play and pause music using wireless headsets and wireless audio receivers.³

¹ Mobile phones equipped with Bluetooth® functions need to be compatible with HFP or HSP.

² Mobile phones equipped with Bluetooth® functions need to be compatible with A2DP.

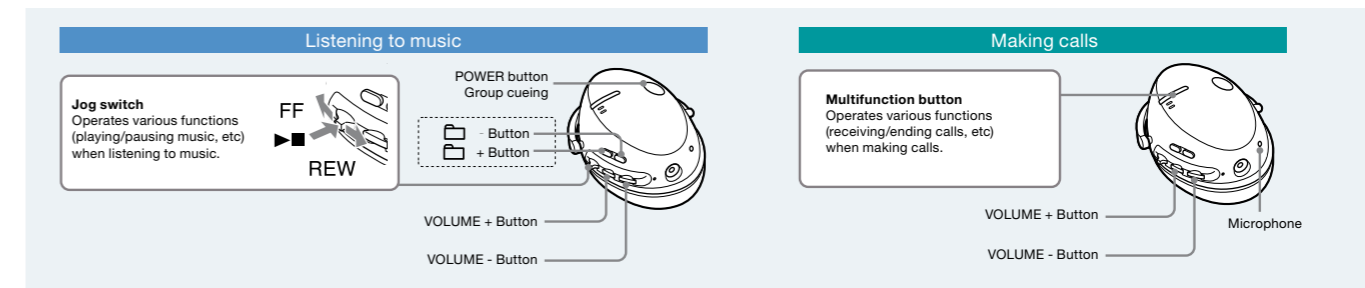
³ Mobile phones equipped with Bluetooth® functions need to be compatible with AVRCP.



DR-BT50

High quality overband Bluetooth® stereo headphones

- Enjoy stereo music playback via A2DP
- Closed-type Bluetooth® stereo headphones with pressure-dispersion ear pads for better wearing comfort
- Large 40mm driver units with 360kJ/m³ high-power neodymium magnet for superior sound quality
- 17 hours of communication time/music playback
- Built-in remote function
- Foldable for greater portability



Equipped with “24-bit D/A converter” which enables high quality playing that is more loyal to the original sound.

• Transmission by Bluetooth® and D/A conversion

• D/A converter 16-bit vs 24-bit comparison image

Compared to 16-bit, 24-bit enables signal processing that is 256 times more accurate.

About compatibility profile of Bluetooth® function	Profile is a functional standard for each characteristic of Bluetooth® product
A2DP (Advanced Audio Distribution Profile)	Transmit and receive high sound quality music contents
AVRCP (Audio Video Remote Control Profile)	Operates AV equipment such as play, pause, stop and volume control
HFP (Hands-free Profile)	Hands-free calls, operates mobile phones
HSP (Headset Profile)	Makes calls/operates mobile phones



DRC-BT60

Clip-on style Bluetooth® stereo receiver (2-way)

- Built-in microphone for hands-free calls
- Easy operation with OLED display
- Built-in FM tuner
- Low latency "Video Mode" for gaming and video playback (Suitable for PSP, iPhone and iPod touch)



DR-BT140Q

Ear Clip style Bluetooth® stereo headphones with retractable cord

- Enables you to enjoy stereo music playback via A2DP
- Allows for hands-free with mobile phone
- 30mm driver unit provides high sound quality
- Thinner and lightweight for long hours usage
- BT version 2.0+EDR for higher quality audio with less interference
- 12 hours of communication time/music playback



DRC-BT30

Wireless audio receiver and superior sound headphone kit

- Enjoy wireless music from Bluetooth® Stereo function enabled portable audio devices and mobile phones
- Built-in microphone for hands-free calls



DR-BT101

Overband Bluetooth® stereo headphones

- Enjoy stereo music playback via A2DP
- Allows for hands-free use with mobile phone
- Adopts the latest Bluetooth® specification of Version 2.1+EDR
- Noise suppression and echo cancellation for superior sound quality
- Ease of charging via USB
- 13 hours of communication time/music playback



DR-BT21G

Street style headphones with behind-the-neck headband

- Enjoy stereo music playback via A2DP
- 30mm driver units with 360kJ/m³ high-power neodymium magnet for superior sound quality
- 11 hours of communication time/music playback
- Built-in remote function
- Foldable for greater portability



DR-BT100CX

Clip-on style Bluetooth® stereo headphones

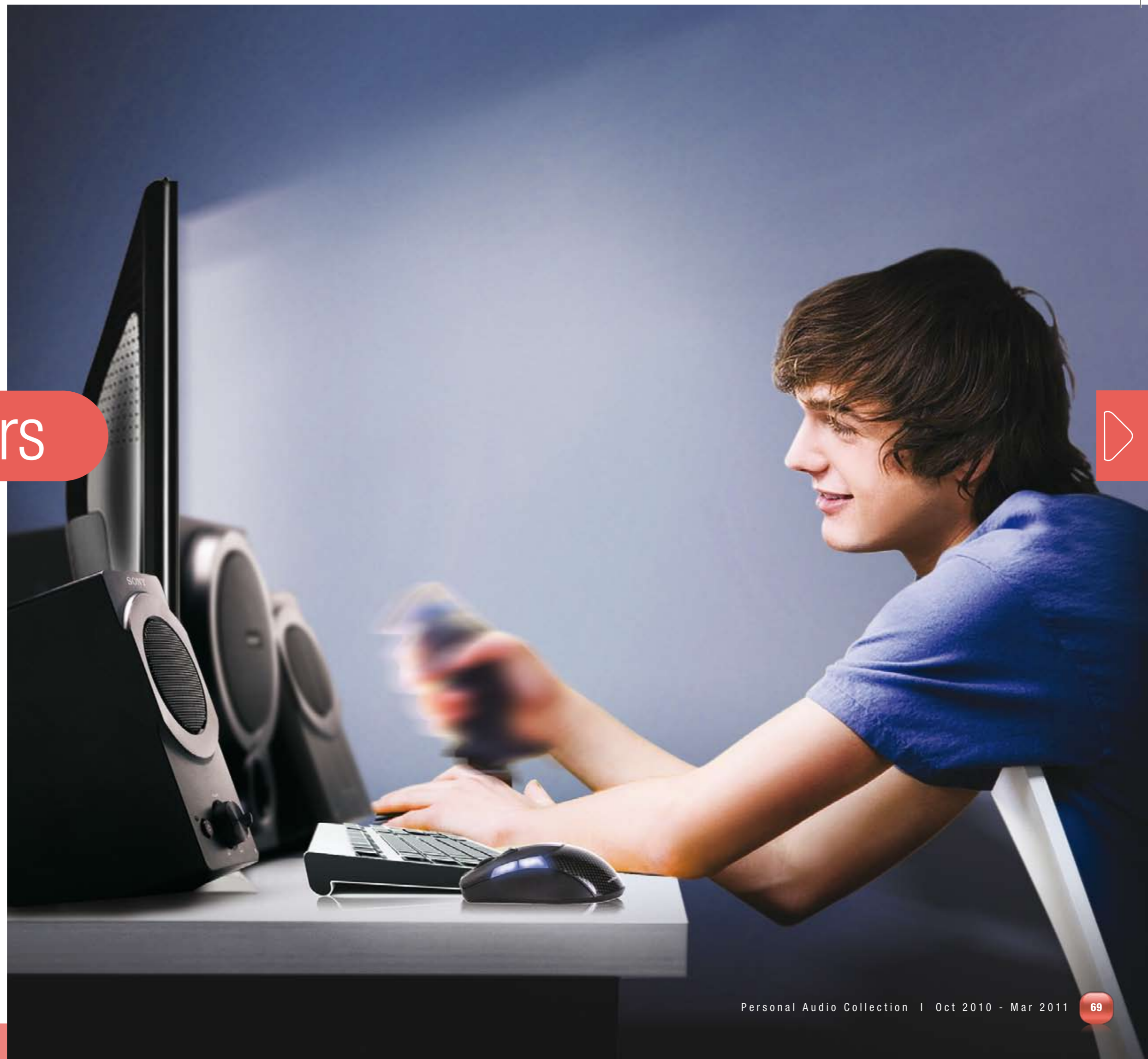
- Enjoy stereo music playback via A2DP
- Connect your favourite headphones via standard stereo mini-jack
- Works like a tie clip to secure directly to collar, tie or shirt
- Allows for hands-free use with mobile phone
- Ease of charging via USB
- 8 hours of communication time/music playback

Specifications	DRC-BT60	DRC-BT30	DR-BT100CX	DR-BT140Q	DR-BT101	DR-BT21G
Frequency Band	2.4GHz Band					
Bluetooth® profiles	A2DP, AVRCP, HFP, HSP					
Power source	Built-in lithium-ion rechargeable battery					
Driver unit	13.5mm, dome type	9mm, dome type		30mm, dome type		
Transmission range	20-20,000Hz					
Battery life	9 hours music playback/communication time, 140 hours waiting time/FM Broadcast reception time up to 9 hours	7 hours music playback/communication time, 120 hours waiting time	8 hours music playback/communication time, 100 hours waiting time	12 hours music playback/communication time, 100 hours waiting time	13 hours music playback/communication time, 100 hours waiting time	11 hours music playback/communication time, 100 hours waiting time
Weight	Approx. 30g	Approx. 20g	Approx. 26g	Approx. 53g	Approx. 125g	Approx. 63g

PC Speakers

Powerful Sounds For A Cinematic Experience.

Play it soft or blast it loud.
Sony's range of speakers is built
to take your breath away.
Delivering absolute clarity and
precision for a remarkable
audio experience, the innovative
designs also make every piece
a stylish masterpiece.





Combining the aural with the aesthetic.

If you're looking for the perfect companion for your PC or portable audio player, then nothing beats our wide range of Sony Speakers. For crystal clear sound reproduction, look no further than Sony Home Use Speakers.

With its stylish designs and high sound quality, they're the ultimate sound accessories for your PC or portable audio products. For desktop and outdoor applications, check out the range of Sony Active Speakers. Designed for portability and easy connectivity to your PC or portable audio players, they are ideal outdoor companions.

For the travel bug in you, Sony Travel Speakers feature an innovative design that lets you enjoy big sound from a small package. And USB-Powered Speakers are made all the more convenient with a USB connection power supply source.

For the ultimate in convenience, it's got to be Sony Passive Speakers. Because it doesn't need batteries or an external power source, they're easy to take anywhere. Designed for use by the travelling executive or the computer-savvy student, our range of speakers encompasses practicality, ease of use as well as excellent clarity for the aurally inclined. Sony Speakers don't only sound good. They look good.





PC Speakers

2.1ch Speakers



SRS-D5

Outstanding sound quality to max out your gaming experience

- High quality and powerful sound
- Output power total 40W, 20W + 10W x 2
- Digital amplifier
- Bass reflex sound system to boost bass sounds
- Speaker box volume is designed to give sounds more depth
- 15-degree upward design (Satellite speakers)
- Volume, bass, and power ON/OFF control in satellite speaker
- Auto power ON/OFF
- Headphone out
- Electronically-shielded cable



SRS-D4

Compact design and powerful sound

- Compact and high-quality sound
- Output power total 27W, 13W + 7W x 2
- Digital amplifier
- Bass reflex sound system to boost bass sounds
- Speaker box volume is designed to give sounds more depth
- 15-degree upward design (Satellite speakers)
- Volume, bass, and power ON/OFF control in subwoofer
- Auto power ON/OFF
- Electronically-shielded cable



SRS-DB500

The multi-channel speaker

- Full Digital 2.1 amplifier driven by S-Master technology
- 160mm speaker unit that produces 300W output power
- High quality sounds stems from digital conversion
- Deep bass sound created by Bass Reflex System
- Headphone jack for personal listening option
- Dual inputs provide multiple connections to both PC and portable audio players



SRS-D25

Futuristic design for gaming, movies and music

- Bass reflex speaker system with pressure board on subwoofer for powerful bass
- Compact, stylish and on-the-desk subwoofer allows for matching display with PC
- Built-in power ON/OFF and volume controls on speaker unit for easy operation
- Headphone jack on controller

Specifications	SRS-D5	SRS-D4	SRS-DB500	SRS-D25
Speaker System	Satellite speaker: 60mm, full range, magnetically shielded Subwoofer: 115mm	Satellite speaker: 46mm, full range, magnetically shielded Subwoofer: 95mm	Full range, Bass Reflex	
Power Output	Satellite speaker: 10W + 10W Subwoofer: 20W	Satellite speaker: 7W + 7W Subwoofer: 13W	Satellite speaker: 75W + 75W Subwoofer: 150W	5W
Driver Unit	-		65mm	38mm
Impedance	Satellite speaker: 8 ohms Subwoofer: 3.6 ohms	Satellite speaker: 10 ohms Subwoofer: 5 ohms	4 ohms at 1 KHz	
Input	Stereo mini plug-in	Stereo mini jack x 1	RCA jack & stereo mini jack	Stereo mini plug-in
Power Source	AC adaptor			

2.0ch Speakers



SRS-A3

Simple desktop type speaker

- Higher output power (2.5W + 2.5W)
- Design and ease of use
- 15-degree upward design
- Volume and power ON/OFF control
- Headphone out (front side)
- Electronically-shielded cable
- Easy set-up



SRS-A201

Affordable active speakers with modern design

- 2W power output
- Digital amplifier
- Equipped with volume controller
- Stereo Mini-plug jack for direct connection to portable audio player
- Magnetically shielded design allows for use near TV or computer monitor without interference
- Supplied with AC adaptor

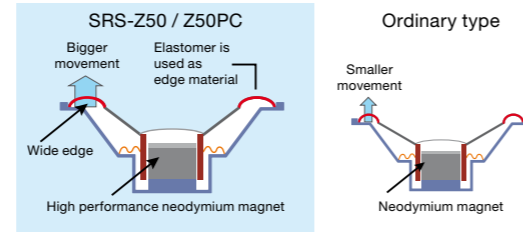


SRS-Z50

Slim compact design for PC & portable audio players

- Bass reflex type speaker system for full dynamic bass
- Built-in amplifier for clearer sound reproduction
- Equipped with power ON/OFF and volume controls
- Headphone jack included

Wide edge ensures more reciprocal movement. Also newly developed elastomer is used for edge material, reproducing wide elastic low range.



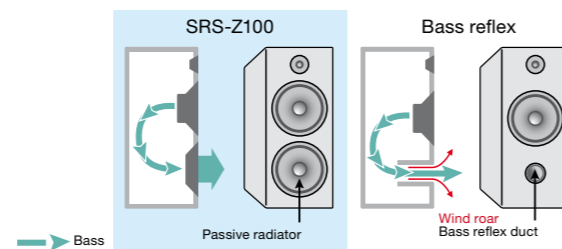
SRS-Z100

High quality speaker system with slim design

- Dual inputs provide simultaneous connection to PC and portable audio player
- 2-way plus passive radiator speaker system for full range of clear sounds
- Magnetically shielded speaker unit allows usage near TV or computer monitor without interference
- Built-in amplifier with Mega Bass function for strong and powerful bass sound
- Headphone jack included

Passive radiator model

Wind roar is prevented by reducing flow of air compared to bass reflex system. Response also improves as air is contained in the speaker box, achieving realistic low range.



Travel Speakers



SRS-TD60

Built-in subwoofer for deep bass playback

- 5W total output high quality stereo playback
- Convenient volume controls
- Power ON/OFF switch equipment
- Magnetically shielded



SRS-M50

Compact yet powerful transportable speaker

- Stylish design with eye-catching colours
- Full-range-type with bass reflex for stable bass and clear vocal sounds
- Built-in battery compartment for portability
- Integrated mechanism for easy carrying



SRS-TP1

Lightweight travel speaker

- Easy connectivity with plug power
- Built-in speaker stand acts as a speaker unit protector
- Magnetically shielded design allows for use near TV or computer monitor without interference
- 1-box speaker system for maximum portability

Specifications	SRS-TD60	SRS-M50	SRS-TP1
Speaker System	Full range, magnetically shielded	Full range, Bass Reflex	
Power Output	5W		
Driver Unit	28mm	39mm	50mm
Impedance	8 ohms at 1 KHz	4 ohms at 1 KHz	8 ohms at 1 KHz
Input	Connecting cord with stereo mini plug 65cm x 1		Stereo mini jack
Power Source	3 x "AA" Batteries, DC 5.2V (using the supplied AC power adaptor 100-240V)	AC adaptor	-

Specifications	SRS-A3	SRS-A201	SRS-Z50	SRS-Z100
Speaker System	46mm full range, magnetically shielded	Full range, Bass Reflex	Satellite speakers: 60mm, full range, magnetically shielded Subwoofer: 115mm	Full range, Bass Reflex
Power Output	2.5W + 2.5W	2W	5W	20W
Driver Unit	-	57mm	39mm	57mm
Impedance	3.2 ohms	8 ohms at 1 KHz	4 ohms at 1 KHz	8 ohms at 1 KHz
Input	Stereo mini plug-in		Stereo mini plug-in x 1 & stereo mini jack x 1	
Power Source	AC adaptor			

Remote Commanders

Take Control.

Connect to the world with
just a single remote.
Smart, convenient and reliable,
Sony's Universal Remote
Commanders put the power
in your hands.





Simple, easy and smart. Total control at your fingertips.

Universal Remote Control

Pre-programmed at the factory level, Sony's Universal Remote Commanders are compatible with AV appliances of virtually every brand. This means you can replace your faulty TV remote control or control your DVD, VCR player and more, with just one single controller. Sony's Learnable Universal Remote Commanders 'learn' complicated functions of various appliances by acquiring new codes via infra-red transmission, allowing easy control over even more AV components and even white goods, like air-conditioning, fans and home lightings.





Remote Commanders

Universal Remote Commanders For Pal TV Systems



RM-VL610T

Stylish Remote Commander that matches your living room interior design

- Double-faced design remote commander that is suitable for trendy interior design
- Sophisticated design with aluminium finish metal body
- Learnable remote commander that controls up to 8 AV components
- Allows operation of on-screen menu for DVD
- Easy-to-use rubber buttons
- Pre-programmed to control most brands
- With Teletext control



RM-EZ4T

Entry-level model with compact design

- Controls TV + Cable/Satellite
- Pre-programmed to control devices of most brands
- Big buttons for ease of use
- Frequently used buttons (Channel and Volume) are centrally located for easy operation
- Slim size for easier grasp
- Easy access to batteries



RM-VZ220T

Controls up to 4 home entertainment devices with 1 remote

- TV and Cable/Satellite, DVD and VCR, Picture in Picture
- Ultra 3x Remote Signal, memory back up
- Control TV and sound systems with one remote
- Ergonomic design and easy to use large buttons
- Operate devices without pointing directly at them

Universal Remote Commanders For NTSC TV Systems



RM-VLZ620

Universal Preset Remote Commander that controls up to 8 components

- Improved remote operation in longer distance and wider angle
- "Super Beamer" (temp. name) with 3 LED
- Convenient Learning function for non-programmed code
- Easy 1 button operation with Macro function
- Programs up to 15 consecutive operations in 1
- Suitable for DVR use



RM-VLZ620T

Universal Learning Remote Commander with 12 macro commands and controls up to 13 components

- Control up to 8 AV components
- Improved remote operation in longer distance and wider angle
- "Super Beamer" (temp. name) with 3 LED
- Convenient Learning function for non-programmed code
- Easy 1 button operation with Macro function
- Programs up to 15 consecutive operations in 1
- Suitable for DVR use



RM-VZ320

Universal Preset Remote Commander that controls up to 11 components

- Control up to 7 AV components (TV, VCR, SAT, CBL, DVD, RCVR/AMP)
- Longer distance and wider angle remote operation
- Suitable for DVR use
- Allows for operation of on-screen menu for DVD and VCR
- Easy to use rubber buttons
- Operates on 2 x "AA" dry batteries
- IR Signal Distance: 11m





Grey Black

RM-VZ220

Universal Preset Remote Commander that controls up to 7 components

- Control up to 4 AV components (TV, DVD, VCR, Cable/Sat)
- Longer distance and wider angle remote operation
- Suitable for DVR use
- Allows for operation of on-screen menu for DVD and VCR
- Easy to use rubber buttons
- Operates on 2 x "AA" dry batteries
- IR signal distance: 11m



RM-VL610

Stylish Remote Commander that matches your living room interior design

- Double-faced design remote commander that is suitable for trendy interior design
- Sophisticated design with aluminium finish metal body
- Learnable remote commander that controls up to 8 AV components
- Allows operation of on-screen menu for DVD
- Easy to use rubber buttons
- Pre-programmed to control most brands
- With Teletext control



RM-EZ4

Entry-level Remote Commander

- Controls TV + Cable/Satellite
- Pre-programmed to control devices of most brands
- Big buttons for ease of use
- Frequently used buttons (Channel and Volume) are centrally located for easy operation
- Slim size for easier grasp
- Easy access to batteries



Features And Functions

Learnable Remote Commanders

These remote commanders are able to "learn" remote control signals to operate non-preset components or functions. In addition, these remote commanders can learn remote control signals (infra-red signals only) of non-AV equipment such as air-conditioners, fans, lights etc.

Preset Codes

Codes of Sony and most brands have been preset at factory level for Sony's Remote Commanders. User can use the remote commanders to control the components by setting their code numbers which are listed in the Appendix of the Instruction Manual. Code number setting is only done once and can be reset to another code number when you change your AV equipment.

System Control Macro

User is able to programme the System Control button to execute a series of consecutive operations (up to 32 steps) with just one touch of a button. For e.g., Power ON Lightings, Power ON TV, Power ON AMP, Power ON AV Receiver, Power ON DVD player, Power ON Air-Conditioner etc.

Component Macro

User is able to programme a series of operating commands for each equipment (up to 32 steps). User can then execute a series of operating commands with one touch of a button. For e.g., Power ON VCR, Rewind Tape and Play Tape etc.

Timer Macro

This feature enables control of automatic ON/OFF and all operations (such as recording, stopping etc.) of each AV component using timer. Timer Macro can be configured to run at a specific time of the day on any day of the week.

Teletext Control

Able to access Teletext using the Fastext buttons, the coloured buttons for direct access.

Reassigning New Components

Users are able to freely reassign the component codes to operate any of the other components: TV, VCR, DVD Player, Amplifier, CD Player, Cassette Deck, HiFi System, Satellite Set-top box, Cable Set-top box, 2nd TV, 2nd VCR. This is especially useful in homes with more than 2 of the same kind of AV components. For e.g., if the user has 2 VCRs and 2 CD players, the VCR3 button can be used as the Component Select button for the second CD player.

Customised Labelling Feature

A total of at least 180 labels, such as the component labels, macro labels and function labels etc., can be customised on the LCD screen with dot matrix. A label of 8 characters consisting of alpha-numeric and symbols can be selected and displayed. This allows easy identification of the components, macros, or learned functions.

Remote Code Transmission Feature

This feature allows for transferring of learned signals, series of commands assigned to the "Macro" buttons and other settings between another RMAV3000T and RM-AV2500T respectively.

Memory Backup

All the new Sony Universal Remote Commanders are equipped with volatile memory backup, which allows ample time to change batteries without losing the pre-programmed and learned codes. Now you can change batteries without worrying about losing those codes.



Digital Voice Recorders / Microphones



Crystal-Clear Quality. Wherever You Are.

For work or for personal use,
IC recorders capture
every voice or tune clearly
and plays back in high quality.
Take it to your meetings, classes,
jam sessions or concerts –
you'll never miss a beat.





Digital Voice Recorders / Microphones

For business executives

Record meetings and interviews in high-quality stereo sound over long periods and use it to store data – the perfect tool for the corporate environment.

Recommended Model: UX Series or SX Series

For live music

For natural-sounding stereo sound, the Digital Voice Recorder's high-sensitivity microphone captures live music from guitars, pianos or other instruments in high quality, similar to CDs.

Recommended Model: SX Series or PCM-M10

For foreign language lessons

Digital Voice Recorders are effective foreign language learning tools that allow you to repeat phrases or slow down the playback to listen at your own pace.

Recommended Model: PX820 or UX Series

For long school lectures

Record your lectures without worrying about leaving out any important information, even over long hours. Then transfer your recorded file to the computer easily for sharing.

Recommended Model: PX820 or UX Series

Key Features



Portable studio recording quality with expandable memory

Recording at 96KHz, 24-bit Linear PCM recording, sound is captured over CD Quality.



High sound quality models compatible with Linear PCM sound recording

Sound is recorded in non-compression Linear PCM, the same format used in CDs, allowing you to capture sound in extra high quality.



Multi-functional models that can be connected to PCs

Store data recorded by your IC recorder on your PC by copying the content. You can also transfer data from the PC, such as music files, and use the IC Recorder as a music player.

Leading Technology Features

Linear PCM Recording

Able to record sound without compression, resulting in high sound quality that is on par with music CDs (44.1KHz, 16-bit).

Stereo Recording

Provides stereo recording and playback* that is so clear and realistic that the listener can tell the relative positions of multiple speakers in meetings. Also ideal for live recording of musical instruments.

* Playback via speaker is in mono mode.

MP3 Recording

Able to record in MP3 format, a highly versatile format that can be played back on a PC without the use of a specialised software, and also useful for sharing of recording data (see figure 1).

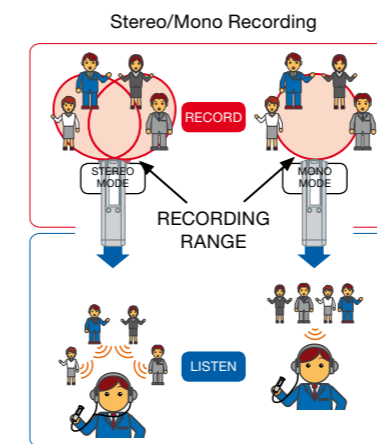


FIGURE 1

PC-Compatible

Able to connect to a PC for the transfer and storage of files.

Playback Speed Control

The playback speed can be adjusted depending on purpose of playback.

ICD-SX713/SX813: Between ¼ speed and 3x speed (36 increments).

ICD-UX512F/UX513F: Between ½ speed and 2x speed (21 increments).

LPEC

Sony's own high-sound-quality compression technology that allows recording at high quality over long durations.

MP3/WMA Music Playback**

Able to transfer MP3/WMA files from PCs for playback**. The IC player can thus be used as an MP3/WMA music player.

** Copyright-protected WMA files cannot be played.

Digital Voice-Up

Quiet, difficult-to-hear sounds are amplified while louder sounds are played back at normal volume. The sound level is controlled automatically (see figure 2). The Digital Voice can also be used on a PC using Digital Voice Editor Ver.2.2 or later.

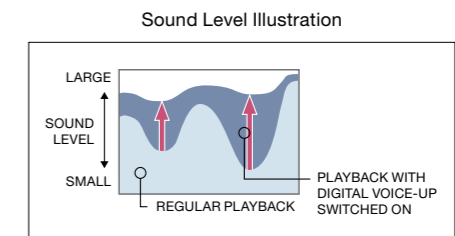


FIGURE 2

Digital Pitch Control

Keeps the pitch natural when playback is sped up or slowed down.

Features And Functions

Auto Reverse

No time is lost during recording when it gets to the end of one side. This function automatically switches to the next side and continues recording without you doing anything



Clear Voice

Enjoy high recording performance with exceptionally rich clarity using this sound system that is enhanced further with the Speaker Design for higher power output.



Clear Voice Plus

Advancing from Clear Voice, the voice frequency range's audio level is enhanced for greater clarity, along with minimised differences in volume levels between normal and extended recordings.



Digital VOR*

(Voice Operated Recording)

Detects sound and records automatically – no need to use the “pause” / “stop” buttons – useful for dictation recordings.

*Operation of the VOR function is dependent on your surroundings. If VOR does not function accurately when tested in a similar surrounding, please switch the VOR off when recording.

Voice Mirror

Working together with VOR, this feature detects an incoming sound and indicates recording is in progress by flickering the LED light bulb.

2-Tape Speed

Select from two modes – the 1.2cm/sec mode for double recording time or 2.4cm/sec for normal periods of recording.



Cue Marker

Use this feature to mark a cue during important points of a recording to make it easier to find during playback and review.

Fast Playback

Reduce listening time with this function during playback.

Cue and Review

By pressing the FF or REW buttons during playback, you can search quickly for the desired segments and still retain audibility of sounds.



IC Repeat

Repeat recorded segments or phrases in 4, 8 or 16 seconds at the touch of a button. Perfect for transcribing dictations or learning foreign languages.



Easy Search

Search for a point in your recordings by shifting in 1-minute blocks when you press the “+” or “-” buttons to skip forward or backwards respectively.

Zero-Stop Counter

Stop the rewind or review automatically at a certain point when you mark it by setting the counter to zero at this specific place of the recording.

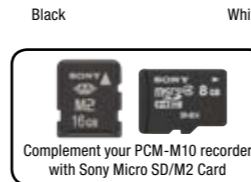
Speed Control

Get the clearest possible playback with this feature as it allows you to determine the speed of your playback.



One-Touch Recording

This feature presses the “play” button simultaneously when you hit the “record” button so you can operate the recording with just one finger.



PCM-M10

Portable recording studio with Linear PCM
Recording with Expandable Memory Capabilities

- 96KHz/24-bit Linear PCM Recording
- Hi-fidelity Audio Playback
- Omni-directional Microphone
- Supplied Remote Commander
- Supplied Editing Software

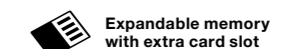
Main features

- Up to 67 hours* of recording
- Linear PCM/ MP3 Recording
- Track Mark
- Pre-recording buffer
- Digital Limiter
- Built-in Speaker
- Low Cut Filter
- Mac/PC Compatible
- Signal to Noise: 87dB or above

Accessories

- Supplied Sound Forge Audio Studio
- 2 x “AA” batteries
- Carrying pouch
- Remote commander
- USB cable

*Recording in MP3 128kbps format



Other colours available:
ICD-SX813:
ICD-SX713:

ICD-SX SERIES

CD quality stereo recorder with adjustable microphones
Recording with Expandable Memory Capabilities

- 44.1KHz/16-bit Linear PCM Recording
- High quality stereo recording
- Manual/Automatic music recording level
- Telephone recording microphone supplied

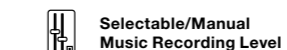
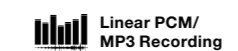
Main features

- Up to 1073 hours* of voice recording
- Linear PCM/MP3 recording
- 4 selectable recording scenes
- Track Mark
- Intelligent Noise Cut
- Digital Pitch Control
- MP3/WMA/WAV/AAC music playback
- Digital Noise Cancelling**
- S-Master Digital Amplifier**
- MAC/PC compatible

Accessories

- Stereo headphones
- Noise Cancelling headphones**
- Stand
- Windscreen
- 2 x NiMH “AAA” batteries
- Carrying pouch
- USB connecting cable
- Telephone recording microphone
- Sound Organiser editing software**

*Recording in MP3 8kbps format
**Only available for ICD-SX813





Red



Pink

Silver

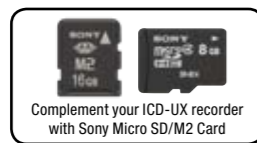
White





Blue

Gold

Black



Complement your ICD-UX recorder with Sony Micro SD/M2 Card

Other colours available:
ICD-UX512F: 
ICD-UX513F: 

ICD-UX SERIES

All-in-1 digital voice recorder with music playback, data storage and FM recording

Recording with Expandable Memory Capabilities

- 44.1KHz/16-bit Linear PCM recording
- MP3/WMA/WAV/AAC playback
- FM record/play
- Direct USB store & charge

Main features

- Up to 1073 hours* of voice recording in MP3 format
- Linear PCM/MP3 recording
- 4 selectable recording scenes
- Track Mark
- Intelligent Noise Cut
- Digital Pitch Control
- MAC/PC compatible

Accessories

- Stereo headphones
- 1 x NiMH "AAA" battery
- Carrying pouch
- Telephone recording microphone**
- Sound Organiser editing software

*Recording in MP3 8kbps format
**Only available for ICD-UX513F



Key Features

Multiple Formats And Direct Pc Connection

Stereo recording on MP3 format

The high-quality stereo recording is so clear and realistic that the listener can tell the relative positions of multiple speakers in meetings. The versatile MP3 file format allows files to be transferred to a PC and played back with a simple 'drag & drop' – no need for specialised software. Where volume contrast is important, the "Manual mode" allows sound to be captured as it is by distinguishing differences in sound volume, making it ideal for recording live music performances. It's equipped with a digital limiter to prevent distortion when the sound is at an excessive volume.

Use as a MP3/WMA music player

The playback format is compatible with MP3/WMA so you can drag and drop your music files onto your Digital Voice Recorder and use it to play your favourite songs. You can even change or enhance the music by selecting genres such as jazz, pop and rock.

Convenient Functions For Added Versatility

Drag & drop files with the direct usb

Transfer your data or music files by conveniently using the drag and drop function, for both Windows and Mac OS.

Recharge by connecting to a PC

Rechargeable batteries are included and can be recharged via a USB connection to a PC or by using a USB AC adapter battery charger (AC-U50AD, available separately).

Filter Noise During Recording And Playback

The low-cut filter automatically reduces noise from fixtures such as air conditioners or projector fans during recording, while the Noise-Cut function cuts noise in the high and low frequency range during playback, making human voices clearer.

Easy access

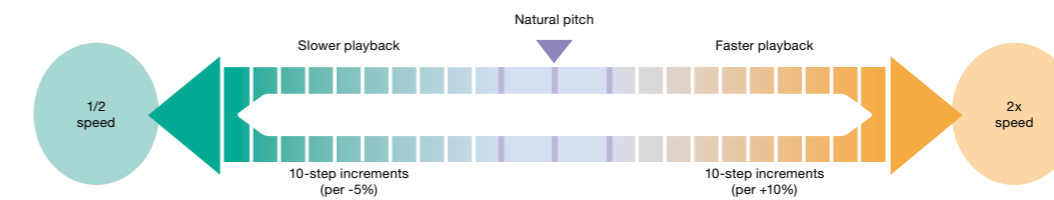
File and folder names of recorded data and menu screens are displayed in English on a liquid crystal display, providing quick access by searching for the folder you require.

Effective Functions For Language Learning

Digital Pitch Control (DPC)

This function allows you to speed up or slow down the voice while maintaining its natural pitch. Customising the speed of playback, which can be set from 1/2 speed to 2x speed in 21-step increments, meaning you can listen to your teacher's voice at your preferred pace and pick up subtle vocal nuances that may otherwise be difficult to hear.

* Speed reduction only for WMA files



Easy search

This allows instant 10-second fast-forward or 3-second rewind and "A-B repeat" when repeating selected sections of a recording.

Electret Condenser Microphones (ECM)



ICD-PX SERIES

2GB digital voice recorder with PC-link
ICD-PX Series Digital Voice Recorder with USB PC-link, 2GB built-in flash memory, large user-friendly buttons and a powerful front speaker. Ideal for recording classes, meetings and conferences.

- High quality recording in MP3 format
- Drag-And-Drop transfer to PC/Mac
- Supplied Digital Voice Editor software

Main features

- 2GB Built-In Flash Memory to record up to 535 hours* in MP3 format
- Up to 48 hours* long battery life
- New Noise-Cut recording function
- New Dictation Correction function during playback
- A-B Repeat function to play selected part repeatedly
- Digital Pitch Control function allowing Fast/Slow playback for transcription
- 300mW high power front speaker
- Digital voice operated recording

Accessories

- PC Software: Digital Voice Editor ver 3.3
- Stereo headphones
- 2 x Alkaline "AAA" batteries
- USB connection auxiliary cable
- Carrying case
- Stereo wired microphone**

* Recording in Long Play mode.
** Only with ICD-PX820M.



ECM-TL1

Telephone recording microphone

- Electret condenser, omni-directional
- With the earphone in your ear where the receiver is placed, simply connect the plug to the microphone jack of the IC recorder to record the conversation on the telephone or mobile phone
- Earphone-style microphone records by placing the receiver on the ear (mono)
- Supplied mono-stereo plug supports recording with stereo equipment (mono signals would be recorded to both L/R channels)
- Direct plug-in power for easy operation
- Capable of recording speaker's own voice, so the entire conversation is recorded
- Compatible with telephone/mobile phone



ICD-BX800

2GB digital voice recorder
ICD-BX Series Digital Voice Recorder with 2GB built-in flash memory, large user-friendly buttons and a powerful front speaker. Ideal for recording classes, meetings and conferences.

- High quality recording in MP3 format
- A-B Repeat and Digital Pitch Control functions for language learning

Main features

- 2GB Built-In Flash Memory to record up to 534 hours* in MP3 format
- Up to 55 hours* long battery life
- New Noise-Cut recording function
- New Dictation Correction function during playback
- 300mW high power front speaker
- Digital voice operated recording

Accessories

- Stereo headphones
- 2 x Alkaline "AAA" batteries
- Carrying case

* Recording in Long Play mode.



ECM-CZ10

Multi-usage zoom microphone to suit all your business needs

- Electret condenser, super-directional/uni-directional
- Zoom phase tube system reduces side and rear sound pickup; enabling clear and precise sound recording
- Detachable zoom microphone recommended for recording in environments where the sound source is far away: lectures, seminars, speeches
- Microphone stand supplied for placement on table
- Clip-on/detachable holding clip for easy microphone attachment to tie or clothing for discreet recording; suitable for interviews
- Direct plug-in power for easy operation
- Mono-stereo plug supplied
- Gold-plated mini-plug
- Carrying pouch supplied

for Digital



ECM-PC50

Compact and space-saving microphone for net meetings

- Electret condenser, omni-directional microphone
- Detachable microphone stand supplied for placement on table
- Clip-on/detachable holding clip for easy microphone attachment to tie or clothing for net meetings
- Direct plug-in power for easy operation
- Carrying pouch supplied



ECM-DS70P

- Electret condenser, uni-directional (stereo)
- Recommended for recording lectures and tutorials
- Plug-in power supply with no battery needed
- Compatible with portable digital recorders such as IC recorder, Linear PCM recorder
- Tilt-up feature (plug part can be shifted 0-90°) to minimise interference from table surface
- Gold-plated stereo mini-plug minimises signal transmission loss and accurately delivers the original sound

for Digital

Specification	PCM-M10	ICD-SX813	ICD-SX713	ICD-LX513F	ICD-LX512F	ICD-PX820/ ICD-PX820M	ICD-BX800
Internal Memory Capacity		4GB			2GB		
Recording Time (Memory Capacity)							
MP3 (8kbps)	-	1073Hrs 0Min			536Hrs 0Min	535Hrs 55Min	534Hrs 25Min
MP3 (128kbps)	-	67Hrs 5Min			33Hrs 30Min	33Hrs 25Min	33Hrs 20Min
MP3 (192kbps)	-	44Hrs 40Min			22Hrs 20Min	33Hrs 25Min	33Hrs 20Min
LPCM	1Hr 50Min	6Hrs 0Min			3Hrs 15Min	-	
Battery Life (Recording)							
MP3 (8kbps)	-	19Hrs		29Hrs	48Hrs	55Hrs	
MP3 (128kbps)	40Hrs	17Hrs		23Hrs	30Hrs	34Hrs	
MP3 (192kbps)	-	17Hrs		23Hrs	30Hrs	34Hrs	
LPCM	28Hrs	19Hrs		21Hrs	-		
Recording Format		MP3/Linear PCM			MP3		
Playback Format		MP3/WMA/WAV/AAC			MP3		
Dimensions (W x H x D)	62.0 x 114.0 x 21.8mm	32.4 x 137.8 x 16mm		36.6 x 102.0 x 14.6mm		37.0 x 111.0 x 21.2mm	
Weight	Approx. 187g	Approx. 92g		Approx. 59g		Approx. 71g	



ECM-MS957

Microphones ideal for stereo digital live recording

- Electret condenser, uni-directional (stereo)
- Directive angle switch (90–120°)
- Wide dynamic range of 90dB enabling faithful stereo pickup
- MS stereo type for excellent localisation of sounds and more natural pickup
- Mid-side dynamic stereo system makes panoramic stereo recording possible with 1 microphone
- Turning capsule mechanism enables directional change on the pick-up of mid microphone capsule to best match the microphone set-up
- OFC Litz cord and gold-plated plug minimise signal transmission loss to accurately deliver the original sound
- Cannon-type connector

for Digital

ECM-C10

Versatile tie-pin microphone for interviews



- Electret condenser, omni-directional
- Small and compact tie-pin microphone for discreet recording
- Clip-on/detachable holding clip for ease of attaching microphone to tie, clothing and versatile usage on a desktop
- High sound quality recording utilising a 5.5mm ECM microphone capsule
- Stand mechanism on clip allows for placement on table for use in meetings
- Plug-in power from recording device with plug-in power function
- 1m OFC Litz cord with gold-plated plug for minimal transmission loss

ECM-CS10

Versatile stereo microphone for interviews



- Electret condenser, uni-directional (stereo)
- Small and compact tie-pin microphone for discreet recording
- Clip-on/detachable holding clip for ease of attaching microphone to tie, clothing and versatile usage on a desktop
- Realistic high sound quality recording utilising a 5.5mm ECM microphone capsule
- Stand mechanism on clip allows for placement on table for use in meetings
- Plug-in power from recording device with plug-in power function
- 1m OFC Litz cord with gold-plated plug for minimal transmission loss
- Coil cord which does not tangle easily even when being carried

ECM-DS30P

Small and compact microphone for IC recorders



- Electret condenser, uni-directional (stereo)
- Direct plug-in power for easy operation
- Compact design for easy portability
- Adjustable angle mechanism (0–60°) for optimal performance during meetings and interviews
- Structure prevents vibration and sound from players for a clearer recording
- Gold-plated stereo mini-plug minimises transmission loss



ECM-DM5P

Tiny and compact; to complement IC recorder

- Electret condenser, uni-directional (mono)
- Direct plug-in power for easy operation
- Compact design for easy portability
- Gold-plated plug minimises transmission loss
- Die-cast body provides pure sound quality
- Adjustable angle mechanism (0–60°) for optimal performance during meetings and interviews
- Structure prevents vibration and sound from players for clearer recording
- Gold-plated stereo mini-plug minimises transmission loss

Specifications	ECM-TL1	ECM-CZ10	ECM-PC50	ECM-DS70P	ECM-MS957	ECM-C10	ECM-CS10	ECM-DS30P	ECM-DM5
Type	Electret Condenser								
Directivity	Omni-directional x 2	Uni-directional	Omni-directional	Uni-directional x 2	Uni-directional 90/120 degrees	Omni-directional	Uni-directional x 2		Uni-directional
Frequency Response (Hz)	20-20,000Hz	100-10,000Hz	100-15,000Hz		50-18,000Hz	50-15,000Hz	100-16,000Hz	100-10,000Hz	100-15,000Hz
Sensitivity	-35 dB/mW	-33 + -4.0 dB/mW	-42 + -3.5 dB/mW	-40 + -3.5 dB/mW	-45.8 + -3.5 dB/mW	-40 + -3.5 dB/mW		-34 + -3.5 dB/mW	
Impedance	1.6k								
Recording Mode	Monoaural		Stereo			Monoaural		Stereo	
Cord Length	1.5m	1m	1.2m	-	2m	1m		-	
Dimensions (W x H x D)	-	32 x 60 x 110mm	19 x 100 x 8mm	58 x 10 x 57mm	44 x 183mm	8 x 19mm	11 x 31mm	12 x 57mm	10 x 45mm
Weight	Approx. 8g	Approx. 20g	Approx. 30g	Approx. 10g	Approx. 330g	Approx. 10g	Approx. 15g	Approx. 17g	Approx. 15g

Features And Functions

Digital Recording

Sony's High-Performance Microphones have been designed for digital recording — maintaining the same wide frequency range characteristics, dynamic range and unmatched sound quality provided by your digital recording equipment.

Boundary Effect

A Flat Microphone for a better pick-up recording of the speaker. The Flat Microphone, featuring the "Boundary Effect System" is twice as sensitive as a normal microphone with frequency levels of 2KHz–5KHz. It records the speaker's voice from every direction clearly, with the least possible noise.

Mid/Side Stereo Microphone

Sounds are recorded from the front, as well as from the left and right sides. The frontal sounds are being picked up by the Mid Microphone Capsule, and the side sounds by the Side Microphone Capsules. Hence, with just one microphone, panoramic stereo recording can be achieved by combining all the sound information from both Microphone Capsules.

Uni-Directional Position To Capture the Right Mood

This position captures the atmosphere of the scene by accurately mixing the sounds of the main object with those of its surroundings. Suitable for a variety of situations, including background-oriented or mood-capturing scenes, as well as filming of moving objects.

Zoom-In Position For A Clear Distance Recording

This position enables you to record distant sounds without including the surrounding noises. Suitable for stage concerts as well as closed-up and telephoto situations.

Wind Position For Clear Recording On a Windy Day

This reduces wind noise, enabling you to record clearly in a windy outdoor situation. Also suitable for a narrated recording.

Stereo Microphone

A Stereo Microphone allows for a clear recording of discussions. Even in a heated discussion, every overlapping voice is reproduced, capturing the real atmosphere of the meeting.



Vocal

The Clear Answer To All Your Recording Needs

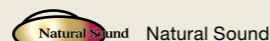
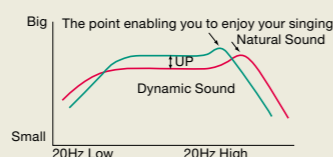
Series	Vocal
Features/Usage	<ul style="list-style-type: none"> For karaoke singing Suitable for studio recording

Dynamic Microphone - For vocalist use

More faithful and richer reproduction. A microphone that brings out the singer's individuality and showmanship.

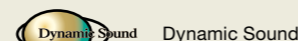
Clear (natural sound) & rich (dynamic sound). Select according to the characteristics of your voice and taste.

Different characteristics are emphasised in the reproduction of sounds, according to the different microphones' unit or body. Even for frequency characteristics, it is designed such that wide frequency band is covered flatly in <Natural Sound>, while the mid-high range of frequency band is stretched and reproduced in <Dynamic Sound>. The point enabling you to enjoy your singing is set so as to meet these respective needs.



Natural Sound

Straight and clear with good start and ending, it emphasises the reproduction of crisp sounds. Even minute nuance of the singer's stretched voice and delicate expressions are also faithfully reproduced.



Dynamic Sound

With more strength than the actual volume, the mid-high range of the sensitivity is enhanced for producing sounds that are silky, rich and wide-ranging. Even if you sing softly, the high tone can be reached easily too.



F-V820

Absolute sound reproduction – recommended for people with strong and dynamic vocals

- Dynamic and uni-directional
- Neutrik connector – a highly regarded feature by professional musicians
- Die-cast body for high durability and reduced vibration for quality sound reproduction
- Alnico magnet and voice coil with specially processed CCAW (copper clad aluminium wire) for faithful sound reproduction from low to high frequencies
- Special 2-core double shield OFC microphone cord for high durability and reliability
- Mini-plug with phone plug adaptor supplied
- Gold-plated plug for minimising contact loss

ABSOLUTE

F-V620

Enriched sound function caters to amateur karaoke singers by enhancing the mid-high frequency sound range

- Dynamic and uni-directional
- Die-cast body for high durability and reduced vibration for quality sound reproduction
- Neodymium magnet
- OFC microphone cord
- Mini-plug with phone plug adaptor supplied
- Gold-plated plug for minimising contact loss



Black

Gold



F-V420

Absolute sound reproduction – recommended for people with strong and dynamic vocals

- Dynamic and uni-directional
- Die-cast body for high durability and reduced vibration for quality sound reproduction
- Neodymium magnet
- OFC microphone cord
- Mini-plug with phone plug adaptor supplied
- Gold-plated plug for minimising contact loss

ABSOLUTE

F-V320

Enriched sound function caters to amateur karaoke singers by enhancing the mid-high frequency sound range

- Dynamic and uni-directional
- Neodymium magnet
- OFC microphone cord
- Mini-plug with phone plug adaptor supplied

F-V220

Suitable for VHS karaoke systems

- Dynamic and uni-directional
- Neodymium magnet
- Wide calibre unit
- OFC microphone cord
- Mini-plug with phone plug adaptor supplied

F-V120

Suitable for vocals/tape recorder use

- Dynamic and uni-directional
- Talk switch
- Wide calibre unit
- OFC microphone cord
- Mini-plug with phone plug adaptor supplied

Specifications	F-V820	F-V620	F-V420	F-V320	F-V220	F-V120
Type	Dynamic					
Directivity	Uni-directional					
Frequency Response (Hz)	60-17,000Hz	70-16,000Hz	80-15,000Hz	80-13,000Hz	100-12,000Hz	60-12,000Hz
Sensitivity	-53dB/mW					
Impedance	400k	600k				
Cord Length	5m			3m		
Dimensions (W x H x D)	52 x 179mm				54 x 211mm	
Weight	Approx. 330g			Approx. 220g	Approx. 215g	Approx. 140g

Boombox

Versatile Audio Performer.

Tape it, spin it or tune into it –
your sound, your call.
Nothing gives you more choices
or sounds as powerful than
our range of small,
yet surprisingly versatile,
CD Cassette Radio Players.





Boombox

CD Cassette Radio Players



CFD-S05

52W Compact Digital Tuner with auxiliary input

- CD-R/CD-RW playback capability
- 52W P.M.P.O.
- Bass Reflex sound system
- Digital synthesiser
- FM/AM 2-Band reception
- Auto Preset (FM20/AM10)
- Auto Scan



CFD-S350

90W CD radio cassette player with wide Directional Convex Speakers System and is CD-R/RW playback compatible

- CD-R/CD-RW playback capability
- 90W P.M.P.O.
- Bass Reflex sound system
- Digital synthesiser
- FM/AM 2-Band reception
- Auto Preset (FM20/AM10)
- Auto Scan
- Output power 2.3W/ch



Light blue

Silver

CFD-E100

60W fashionable and compact CD radio cassette player

- CD-R/CD-RW playback capability
- 60W P.M.P.O.
- Digital synthesiser tuner
- FM/AM 2-Band reception
- Auto Preset (FM20/AM10)
- Auto Scan
- MP3/CD



Specifications	CFD-S05	CFD-S350	CFD-E100
Tuner Section			
FM Reception		✓	
AM Reception		✓	
Digital Synthesiser Tuner		✓	
Station Memory Preset	✓	30	31
Auto Scan	-		✓
FM Mono/Stereo Select		✓	
Deck Section			
Auto Shut-Off		✓	
Amplifier & Equaliser Section			
Output Power (P.M.P.O.)	✓	90W	60W
Mega Bass		✓	
CD Player Section			
1-Bit DA Converter		✓	
CD-R Playback Capability		✓	

MP3/CD Cassette Radio Players



CFD-S35CP

90W MP3/CD radio cassette player with Wide Directional Speakers System

- MP3/CD-R/CD-RW playback capability
- Auto Scan
- Auto Preset (FM20/AM10)
- FM Mono/Stereo Select
- Repeat (1/All/Shuffle/Program)
- Mega Bass



CFD-S07

52W digital tuner with MP3 playback and auxiliary input

- Bass reflex sound system
- MP3/CD-R/CD-RW playback capability
- Digital synthesiser
- FM/AM 2-Band reception
- Auto Preset (FM20/AM10)
- Auto Scan



USB/MP3/CD Cassette Radio Players



ZS-S50CP

Elegant, compact CD-tuner with digital LCD and MP3 playback.

- MP3/CD-R/CD-RW playback
- Repeat (1/All/Shuffle/Program/Folder/Bookmark/Playlist)
- Random Music Select (RMS)
- FM/AM 2-Band reception
- Digital synthesiser tuner
- Auto Preset (FM20/AM10)



CFD-RS60CP

90W CD radio cassette player with USB port so you can now transfer your favourite songs from CD albums into your MP3 player

- MP3/CD-R/CD-RW playback capability
- With USB host for MP3 playback/recording from mass storage class
- Auto Scan
- Auto Preset (FM20/AM10)
- FM Mono/Stereo Select
- Mega Bass



Specifications	CFD-S35CP	CFD-S07	ZS-S50CP
Tuner Section			
FM Reception		√	
AM Reception		√	
Digital Synthesiser Tuner		√	
Station Memory Preset	30	√	-
Auto Scan		√	
Deck Section			
Auto Shut-Off	√		-
Amplifier & Equaliser Section			
Output Power (P.M.P.O.)	90W	√	130W
Mega Bass	√	-	√
Mega Xpand		-	
Preset Sound Mode	-		√
4-Pattern Electronic Sound Mode		√	-
CD Player Section			
1-Bit DA Converter		√	-
CD-R/RW Playback Capability		√	
Direct Select Key		√	
CD Synchronised Dubbing		√	-
Repeat (1/All/Shuffle/RMS)		√	-
MP3 Playback		√	
5 Character LCD	√		-
Folder/File Selector		√	
Atrac3plus Playback		-	√
Speaker			
Full Range	-		√
Bass Reflex Body	-		√
Metal Punching Net		√	
USB Ripper			
Playback USB		-	
Other Features			
Headphones (Stereo-Mini)		√	
Remote Commander®		√	
Audio in	-	√	-
Dimensions (W x H x D)	420 x 155 x 260mm	365 x 134 x 230mm	480 x 156 x 250mm
Weight (Incl. Batteries)	Approx. 3700g	Approx. 2700g	Approx. 4300g



ZS-PS20CP

CD radio player with LCD display, USB plug and play, and MP3 playback

- USB/MP3/CD-R/CD-RW playback capability
- Digital synthesiser tuner
- 10 key RC for easy CD/Tuner operation
- Mega Bass (ON/OFF)



USB/MP3/CD Cassette Radio Players

Specifications	CFD-RS60CP	ZS-PS20CP
Tuner Section		
FM Reception		✓
AM Reception		✓
Digital Synthesiser Tuner		✓
Station Memory Preset	-	✓
Auto Scan	-	✓
Deck Section		
Auto Shut-Off	✓	-
Amplifier & Equaliser Section		
Output Power (P.M.P.O.)	90W	30W
Mega Bass		✓
Mega Xpand		-
Preset Sound Mode	✓	-
4-Pattern Electronic Sound Mode		-
CD Player Section		
1-Bit DA Converter		-
CD-R/RW Playback Capability		✓
Direct Select Key	✓	-
CD Synchronised Dubbing		-
Repeat (1/All/Shuffle/RMS)		-
MP3 Playback		✓
5 Character LCD		-
Folder/File Selector	-	✓
Atrac3plus Playback		-
Speaker		
Full Range		-
Bass Reflex Body	✓	-
Metal Punching Net	✓	-
USB Ripper		
Playback USB		✓
Other Features		
Headphones (Stereo-Mini)		✓
Remote Commander®		✓
Audio in		✓
Dimensions (W x H x D)	420 x 158.5 x 260mm	360 x 142 x 234mm
Weight (Incl. Batteries)	Approx. 3800g	Approx. 2800g

Dock/MP3/CD Radio Players



ZS-S2iP

Rock your iPod® tunes through the rich, powerful bass and crisp stereo sound of this CD/radio boombox with iPod player dock

- iPod dock playback and charge
- CD-R/RW playback
- FM/AM Tuner
- Stereo speakers with Mega Bass system
- Power: 60W
- 30 Station Memory Presets
- Remote control
- Line-in audio



ZS-S4iP

Play your favourite tunes from your iPod or iPhone with this easy to use CD Boombox that gives you hours of portable fun

- Compatible with iPod and iPhone
- Built-in CD player
- FM/AM Digital synthesised tuner
- Mega Bass (ON/OFF)
- CD-R/RW playback compatible
- Output power 2W/ch



Specifications	ZS-S2iP	ZS-S4iP
Tuner Section		
FM Reception		✓
AM Reception		✓
Digital Synthesiser Tuner	-	✓
Station Memory Preset		✓
Auto Scan	-	✓
Deck Section		
Auto Shut-Off	-	-
Amplifier & Equaliser Section		
Output Power (P.M.P.O.)	1.7W + 1.7W	2W + 2W
Mega Bass		✓
Mega Xpand		-
Preset Sound Mode		-
4-Pattern Electronic Sound Mode		-
CD Player Section		
1-Bit DA Converter		-
CD-R/RW Playback Capability		✓
Direct Select Key	-	✓
CD Synchronised Dubbing		-
Repeat (1/All/Shuffle/RMS)		✓
MP3 Playback		-
Multi-Codec Section		
5 Character LCD		-
Folder/File Selector	-	✓
Atrac3plus Playback		-
Speaker		
Full Range		✓
Bass Reflex Body	-	✓
Metal Punching Net	-	-
USB Ripper		
Playback USB	-	-
Other Features		
Headphones (Stereo-Mini)		✓
Remote Commander®		✓
Audio in		✓
Dimensions (W x H x D)	360 x 141.5 x 240.5mm	400 x 169 x 224mm
Weight (Incl. Batteries)	Approx. 2700g	Approx. 3000g

Features And Functions

CD-R/RW Compatible

Allows playback of music CD-Rs/RWs recorded in CD-DA format. However, playback may not be possible or the sound may skip depending on the type and quality of the CD-R/RW disk, recorder and writing software.

Mixing Microphone Input Terminal

Equipped with a terminal that connects an external microphone (available separately) for recording or amplification.

Recording or Playback Auto Reverse

The tape will automatically reverse to continue recording or playing at the end of each side of the tape.

Dynamic Sound System (DSS)



Sony's new and enhanced Dynamic Sound System (DSS) gives an elevated music experience like never before. With the integrated Jog Dial, you can select from 5 Preset Sound Modes:

Flat – The original music profile without any enhancements.

Groove – Enhances your music from mid to low frequency sound segments.

Live – Recreates the wide and airy feel of a live sound stage.

POP – Adds more vitality to POP Music by strengthening the high and mid range.

Cinema – Provides a dramatic sound presence for any sound stage.

Maxi Bass



Get the most out of bass effects when low frequency enhancements make each bass note fuller and warmer.

Mega Bass



Automatically boosts the bass and adjusts it according to the volume to give a powerful sound at lower volumes, yet less likely to distort at higher volumes.

2-Way 4-Speaker System



Enjoy the rich sound reproduction through a superior speaker system.

Auto Reverse



Playback mechanism that automatically begins to play the second side of a recorded tape.

Bass Boost

Gives more punch in the bass range.

Cue and Review



By pressing the FF or REW buttons during playback, you can search quickly for the desired segments and still retain audibility of sounds.

Auto Shut-Off

At the end of the tape, playback or recording will automatically stop and the function buttons return to their original positions. Full Auto Shut-off works also in the fast forward or rewinding positions.

Graphic Equaliser

Allows customising of your preferred sound reproduction.

Features And Functions

CD/TV Line-in

A line-in jack that helps you enjoy tape dubbing and to listen from other sound sources such as Digital Audio Player, TV and CD player.

Soft Eject

Cassette holder opens slowly for smooth operation.

Tone Control

Easy sound effects adjustment to suit your personal taste.

Double Cassette

Allows tape-to-tape dubbing.

MD Link

With this link, you get the freedom and flexibility of digital recording. Simply connect a MiniDisc recorder to the optical line-out of the audio system, via an optical cable. Compile your favourite tunes from CD to MD easily.



Bass Reflex Body

With CCCR (Common Cavity Common Resonance) technology, a special feature for 1-Box Single Deck models, you will get even more powerful and dynamic bass sound.

Power Drive Woofer



A Sony exclusive, this bass boost system offers impressive, rich and deep bass sound.

Automatic Music Sensor (AMS)



Automatically locates the beginning of the current or following selection for CD. AMS for tape automatically fast forwards to the beginning of the next song to eliminate trial-and-error in locating your songs.

High speed CD-to-tape dubbing



Dub from CD to tape in about half the time of conventional dubbing.

Digital Clock & Timer

Clock, Alarm, Sleep and Radio-On timer functions are conveniently displayed on the LCD.

Graphic Equaliser/Rotary Equaliser

This allows you to customise your preferred sound reproduction.

Intro Scan

Plays the first 10 seconds of each selection on a disc and offers precise tuning with a digital display.

Manual Programme Edit

Allows you to manually select the optimum tracks for each side by showing you the available recording time.

Microphone Mix

A microphone mixing function for creative recordings.

Preset Tuning

Stations which have been entered into memory can be recalled at the touch of a button.

Repeat

Allows various types of repeated playback (1/All/ Shuffle RMS). Shuffle: Plays the selections on a disc in random order. Random Music Sensor (RMS): Provides programmed playback of selection in a desired order.



Radios

Surf The Airwaves In Style.

Tune in to performance and great technological features with Sony's Radios. It doesn't matter what situation you may be in – just waking up, taking a shower, going for a picnic, taking a trip overseas or in a real emergency, there's a radio perfectly suited for you. Simply take it with you and you'll always enjoy the high sound quality and versatility anytime, anywhere.



23:58



Radios



Silver



Dark Blue

SRF-S54

Stylish FM Stereo radio with Mega Bass

- FM Stereo reception
- Analogue tuner
- Mono Switch/FM Stereo
- Mega Bass
- Lighter-size
- Stereo earphones supplied



AM/FM Receivers



SRF-59

Portable stereo radio with large rotary tuning knob

- FM Stereo/AM 2-Band reception
- Analogue tuner
- Mono Switch/FM Stereo
- Large rotary tuning knob



Violet



White

SRF-S56

Fashionable FM Stereo radio with Mega Bass

- FM Stereo reception
- Analogue tuner
- Mega Bass
- Lighter-size
- Stereo earphones supplied
- Clip



Blue



Silver

SRF-S84

A compact, lightweight FM Stereo compatible radio

- Analogue tuning
- Stereo
- 2-band
- FM Stereo/AM 2-Band reception
- Runs on 1 x "AAA" battery
- With suspended packaging
- Pocket radio
- Earphones only
- NUDE included



Specifications	SRF-59	SRF-S84	SRF-S54	SRF-S56
FM Reception			✓	
AM Reception		✓		-
PLL Synthesiser Tuner			-	
LED Tuning Indicator			-	
Built-In Speaker			-	
Mega Bass		-	✓	
Digital Clock			-	
Station Memory Preset			-	
Stereo Earphones			✓	
Dimensions (W x H x D)	65 x 92.9 x 30.5mm	39.5 x 78.5 x 16.5mm		33.7 x 75.3 x 16mm
Weight (Incl. Batteries)	Approx. 84g (Incl. belt clip)	Approx. 61.2g (Incl. earphones)		Approx. 46.6g



SRF-M10

Slim and stylish FM Walkman® with Mega Bass and digital clock display

- FM Stereo reception
- PLL synthesiser tuner
- 15 Station Memory Presets
- Mega Bass
- Stereo earphones supplied
- Jog shuttle operation



SRF-H4

Lightweight Walkman® perfect for joggers and outdoor enthusiasts

- Adjustable headband
- FM/AM Analogue Tuner
- Mega Bass Sound System
- Flexible helical antenna
- Light Reflector for added safety at night
- Up to 47 hours of operation with 1 x "AAA" battery



SRF-M97

Stylish FM Walkman® with Mega Bass and digital clock display

- FM Stereo/AM 2-Band reception
- PLL synthesiser tuner
- 20 Station Memory Presets
- Mega Bass
- Stereo earphones supplied
- Jog Shuttle operation



SRF-M807

Mega Bass radio Walkman® with built-in speaker

- FM Stereo/AM 2-Band reception
- PLL synthesiser tuner
- 25 Station Memory Presets (FM15/AM10)
- Mega Bass
- Built-in speaker
- Auto Scan
- Stereo earphones supplied



Specifications	SRF-M10	SRF-M97	SRF-M807	SRF-H4
FM Reception			√	
AM Reception	-		√	
PLL Synthesiser Tuner		√		-
LED Tuning Indicator	√	-	√	-
Built-In Speaker		-	√	-
Mega Bass			√	
Digital Clock		√		-
Station Memory Preset	15	20	25	-
Stereo Earphones		√		-
Dimensions (W x H x D)	30.2 x 70.7 x 14.9mm	37.4 x 84.6 x 21.6mm	66 x 128 x 37mm	-
Weight	Approx. 42g (Incl. batteries)	Approx. 58.5g (Incl. batteries)	Approx. 180g	Approx. 122g (Incl. batteries)



Portable Radios



ICF-704S

Transistor radio - Delivers 3-Band radio with wide dispersion speakers for improved sound quality

- 3-Band (FM/MW/LW, FM/MW/SW)
- Wide Directional Convex speaker
- Tone Control
- LED Tuning Indicator
- Carrying handle
- Analogue Tuner
- AC 220-230V/50Hz
- Operated by 4 x "AA" batteries



ICF-304

2-Band transistor radio with FM/AM capability

- FM/AM 2-Band reception
- Portable, compact size
- Tuning Indicator
- Built-In speaker
- 100mW speaker output
- Earphone jack
- Operated by 2 x "AA" batteries



ICF-M410S

Transistor radio - High value PLL synthesised radio

- FM/MW/SW 3-Band reception
- PLL synthesiser tuner
- LED Tuning Indicator
- 20 Station Memory Presets
- Sleep/Standby
- Earphone jack
- DC-in jack
- Operated by 3 x "AA" batteries



ICF-8

Transistor radio for outdoor and personal use

- Earphone jack
- FM/AM 2-Band reception
- LED Tuning Indicator
- Hand strap supplied
- Built-In speaker



ICF-M260

Compact design transistor radio with 15 Station Memory Preset

- FM/AM/SW 3-Band reception
- PLL synthesiser tuner
- 15 Station Memory Presets (10FM/5AM)
- Single alarm
- Built-in digital alarm clock
- Battery status indicator



SPECIFICATIONS	ICF-704S	ICF-M410S	ICF-M260	ICF-304	ICF-8
FM Reception			√		
AM Reception	-			√	
MW Reception	√		-	√	-
SW Reception		√			-
PLL Synthesiser Tuner	-	√		-	
LED Tuning Indicator		√		-	√
Earphone Jack	-	√		-	√
DC-In Jack	-	√		-	√
Sleep/Standby	-	√		-	
Tone Control	√			-	
Digital Clock			√		-
Dimensions (W x H x D)	283 x 154 x 84mm	212 x 104 x 42.5mm	80 x 130 x 31mm	171 x 87.2 x 44mm	133.8 x 72 x 33.6mm
Weight	Approx. 1200g	Approx. 504g*	Approx. 260g	Approx. 382g	Approx. 218g
Power Source	4 x "AA" batteries	3 x "AA" batteries		2 x "AA" batteries	

*Including batteries



Portable Radios



ICF-S10MK2

Compact 2-Band transistor radio

- FM/AM 2-Band reception
- Analogue Tuner
- LED Tuning Indicator
- Earphone jack
- Telescopic antenna
- Carry strap supplied
- Operated by 2 x "AA" batteries



ICF-F10

2-Band transistor radio with long battery life for continuous playback

- FM/AM 2-Band reception
- High power output
- Long battery life (200 hours)
- Hand strap
- Earphone jack
- Operated by 2 x "D" batteries



ICF-J1

High power output FM/MW/SW portable radio

- FM/MW/SW 3-Band reception
- Analogue Tuner
- LED Tuning indicator
- Earphone jack
- Long battery life (Approx. 240 hours with alkaline batteries)
- 350mW power output
- AC 220-230V/50Hz
- Operated by 2 x "D" batteries



XDR-S16

Portable DAB/DAB+/FM radio with high quality stereo speakers

- Wide range of DAB/DAB+/FM channels
- 20 Station Memory Presets
- Easy-to-read 16 x 2 character LCD display for DAB text
- AC operation



ICF-J40

World Band radio with high power output

- FM/MW/SW1-2 (4-Band reception)
- Analogue Tuner
- Long battery life with 2 x "D" batteries
- Built-in large speaker
- LED Tuning Indicator
- Leather case supplied



Specifications	ICF-S10MK2	ICF-J1	ICF-J40	ICF-F10	XDR-S16
FM Reception			√		
AM Reception	√		-		√
MW Reception	-		√		-
SW Reception	-		√		-
PLL Synthesiser Tuner			-		
LED Tuning Indicator		√			-
Earphone Jack		√			√
DC-In Jack			-		√
Sleep/Standby			-		√
Tone Control			-		
Digital Clock			-		√
Dimensions (W x H x D)	71 x 118.5 x 30mm	233 x 119 x 56mm	250 x 151 x 68mm	206 x 131 x 66mm	270 x 140 x 112mm
Weight	Approx. 202g*	Approx. 615g	Approx. 1100g	Approx. 700g	Approx. 1700g
Power Source	2 x "AA" batteries		2 x "D" batteries		-

*Including batteries

Portable Radios



ICF-SW7600GR

World Band radio with 100 memory presets

- FM/LW/MW/SW Multi-Band reception
- PLL synthesiser tuner
- 100 Station Memory Presets
- 4-Way Tuning (Direct/Auto Scan/Manual/Station Memory Preset)
- 2 standby memory
- Sleep function
- Synchronous detector
- SSB receivable (2 positions: USB/LSB)
- Dual Clock (World/local)
- Short wave guide supplied
- Operated by 4 x "AA" batteries



ICF-SW11

Easy-to-tune receiver suitable for beginners

- FM Stereo/LW/MW/SW1-9 Multi-Band reception
- PLL synthesiser tuner
- Band Spread System
- Single Conversion
- Stereo headphones supplied for FM Stereo reception
- Earphone jack
- Shortwave guide supplied
- LED Tuning Indicator
- 3V DV-in jack
- 140mW power output
- Speaker size: 57mm
- Operated by 2 x "AA" batteries



ICF-SW35

Easy-to-use receiver with Memory Scan

- FM/LW/MW/SW Multi-Band reception
- PLL synthesiser tuner
- 50 Station Memory Presets
- Memory Scan
- 2 standby memories
- EEP ROM
- Backlit LCD
- SSB receivable (2 positions: USB/LSB)
- Dual Clock (World/Local)
- Short wave guide supplied
- Operated by 4 x "AA" batteries



ICF-SW22

Compact design multi-band receiver

- FM/MW/SW 1-7, 9-Band reception
- SW 1-7 Switch
- Built-in antenna
- Compact cassette-case size design
- Stereo earphones supplied
- Operated by 2 x "AA" batteries



ICF-SW12

Compact lightweight design perfect for travelling

- FM/MW/SW1-9 11-Band reception
- World Time function
- Single alarm with snooze button
- LED Tuning Indicator
- Lid design
- Earphone jack
- DC operation
- Operated by 2 x "AA" batteries



Specifications	ICF-SW7600GR	ICF-SW35	ICF-SW22	ICF-SW12	ICF-SW11
FM Reception			✓		
LW Reception	✓			-	✓
MW Reception			✓		
SW Reception	✓		1-7		1-9
PLL Synthesiser Tuner	✓			-	✓
SSB	✓			-	
Direct			-		
Station Memory Preset	100	50		-	
Manual		✓		-	
Scan		✓		-	
Clock	✓			✓	-
Frequency Type	Type (1) or Type (3)	Type (4)	Type (8) or Type (9)	Type (14)	Type (7)
AC Adaptor			-		
Antenna	✓			-	
Dimensions (W x H x D)	190 x 118.8 x 35.3mm	168 x 106 x 35mm	116.5 x 72.5 x 28mm	111 x 30.5 x 80.3mm	162 x 93.8 x 34.8mm
Weight	Approx. 608g*	Approx. 337g	Approx. 200g	Approx. 233g	Approx. 340g

*Including batteries



ICF-F12



ICF-F11

ICF-F11/ICF-F12

3-Band portable transistor radio

- FM/MW/SW Band reception
- SW (2.3-7.35MHz)-ICF-F11/SW (5.9-18MHz)-ICF-F12
- Long battery life (220Hours)
When using SW/MW with two R20 (size D) batteries
- Built-in large speaker
- Hand strap
- Earphone jack



Specifications	ICF-F11	ICF-F12
FM Reception		✓
AM Reception		✓
MW Reception		✓
SW Reception		✓
PLL Synthesiser Tuner		-
LED Tuning Indicator		-
Earphone Jack		✓
DC-In Jack		✓
Sleep/Standby		-
Tone Control		-
Digital Clock		-
Dimensions (W x H x D)	216 x 129.8 x 68.6mm	
Weight	Approx. 676g	

Features And Functions

- FM** FM broadcast signals
- LW** Long Wave broadcast signals
- MW** Medium Wave broadcast signals
- SW** Short Wave broadcast signals

Tone Control

Lets you adjust the tone to your preferred taste.

Auto Power-off

Turns power off automatically to save battery life.

Forward/Reverse Time Setting

Hit the forward or reverse direction to easily change the time display.



PLL Synthesiser Tuner

Sound quality is maintained as signals are stabilised when the Phase Locked Loop circuitry constantly checks for frequency precision.



Synchronous Detection Circuit

Designed to receive unstable, weak or distant signals effectively.

Dual Conversion

Frequencies are converted twice to ensure clearer, stronger reception and reduce interference from other signals.

Dual Alarm

Choose to wake up to a radio station or a buzzer alarm, with up to 2 different alarm timings set.



FM Stereo Reception

Enjoy FM broadcast programmes in stereo with the earphones supplied.



Station Memory Preset

Preset your favourite frequencies and listen to any one with just a touch of a button.



Features And Functions

Snooze

When the initial alarm goes off, press the button once and it will sound every 8 minutes after that for an hour.

SSB

Single Side Band signals.

Auto Scan Tuning

Automatically scans for frequencies within the designated range and stops at a broadcast signal so you can set it as a preset station.



DC-In Jack

With an optional adaptor, you can use electric wiring together with batteries. Some models can also connect to a car battery using an optional car battery adaptor.



LED Indicator

When a transmission signal is detected, the LED Indicator lights up.



REC Out

Connect your radio to a cassette recorder to record broadcast programmes.



Power Back-Up

When AC power is interrupted, the battery continues to supply power to the clock, maintaining alarm settings.



Priority Selection

Allows you to programme a station that is difficult to receive or is broadcast at odd times, switching automatically to that station even when you are listening to another programme.

Direct Tuning

Enter the frequency number of the station and get direct access.

Manual Selection

Use the manual tuning knobs or buttons to select the station you wish to hear.

Earphones Supplied

For stereo models, stereo earphones are supplied.

Clock & Timer

Built-in clock with alarm and sleep timer functions.

Air

Air band broadcast signals that are normally used for aviation communication.



World Band Receiver Accessories

Shortwave guide

Contains broadcasting schedules of major stations.
ICF-SW11/ICF-SW22

Wave handbook

Contains the "Wave Handbook" (frequencies of stations worldwide), and the "How to Catch the Wave" (instructions in Japanese).
ICF-SW35/ICF-SW7600GR

Compact antenna

A compact antenna for an even better reception that can be wound up for storage. For example, you can attach the hook on the case to a convenient location such as a curtain rail on a windowsill. Simply extend the wire antenna and connect to the antenna on the radio receiver.

ICF-SW22/ICF-SW35/ICF-SW7600GR

AC adaptor

ICF-SW7600GR

Useful Technologies And Features Of The World Band Receiver

Memory scan tuning

Automatically scans pre-registered frequencies to receive transmission.

ATT controller

Allows reception sensitivity to be adjusted during memory scanning in order to prevent the scanning from stopping or being interfered.

SSB reception

SSB stands for "Single Side Band" which is a type of modulation used for amateur transmissions and transmissions for business use.

Synchronous Detection Circuit

Reduces distortion in the sound.

World clock

Automatically calculates the time variations across the globe.

Frequency pre-set

Allows frequencies to be pre-set for one-touch access.

Standby function

Automatically receives your pre-set frequency and the starting time of your desired broadcast at the required time.

Station name display

Registers station names to corresponding frequencies to be displayed in alphabetical order.

Numerical key tuning

Allows you to select the station directly using the numerical keys if you already know the exact frequency.

Sleep timer

Automatically switches the power off after a designated time – ideal for bedtime.

Global compatibility AC adaptor

Includes an AC adaptor that can be used when you travel.

What are shortwave broadcasts?

Shortwave radio broadcasts are transmitted around the world. Although you won't necessarily be able to listen to every broadcast, a variety of program contents from news, and music to languages are available from stations such as VOA (USA) and BBC (UK).

Characteristics of short-wave radio broadcasts

Shortwave radio waves are affected by various factors in the natural world on its long journey to your receiver. Reception varies according to time and season, and is affected by the phasing effect which makes the sound and volume change periodically. Broadcasting stations counter this by broadcasting in several frequencies, or by changing frequencies according to season.

Emergency Radios



Analogue tuning
2-Band

Orange



Silver

ICF-B01

Crank it to power it up when nothing else can. Recharges by hand cranking during emergencies, anytime and anywhere

- 3.6cm speaker
- Spray-proof
- Soft light and spot light
- FM/AM 2-Band reception
- 60mW power output (with rechargeable battery)
- 90mW power output (with AAA batteries)
- Manual cranking capability for generating power
- Supplied accy: handstrap
- Dimensions: 130 x 77 x 52mm
- Weight: 297g (including batteries)

A wealth of features to assist you at times of need:

Capable of manual recharge by hand-crank

The internal rechargeable battery can be recharged by using the hand crank, allowing frequency reception to operate the lights even without batteries.

A guide to usage times (when recharged* manually for 1 minute)

Device	Radio	Lights
Usage time	Approx. 60 minutes	Approx. 15 minutes
Standby time	Approx. 90 minutes/Approx. 10 hours	

The battery charges by turning the hand crank in either direction. The spotlight can be used as a hand-held flashlight, and the soft light is useful during power cuts.

* Equipped with 2 types of high-luminosity LED lights.

Control units made for easy usage

Large tuning wheel allows for easy tuning, even during emergencies, along with a large tuning display window that is clear and easy to see.

- **Spray-proof**
Protects the receiver from sprays, such as a light rain.
- **High-sensitivity rod antenna (FM reception)**
Capable of receiving radio broadcasts during emergencies.
- **An easy-to-handle compact design**
The handle can be stowed away in the receiver to save space.

Clock Radios



Blue



Black

Silver

ICF-C205

Easy-to-use clock radio with 0.7-inch green LED display and unique design

- FM/AM 2-Band reception
- Analogue tuner
- Single alarm
- 0.7 inch easy-to-see green LED display
- Big Snooze button
- Self-power back-up



ICF-C414

FM/AM analogue tuner clock radio with green LCD display

- FM/AM analogue tuner clock radio
- Stylish 1.4" large LCD clock display
- Brightness High/Low
- Automatic Time Set & Automatic DST/Summer Time adjustment
- No Power No Problem alarm system
- Quartz embedded



Black



Silver

ICF-C218

Entry clock radio with green LED display

- FM/AM 2-Band reception
- Analogue tuner
- Single alarm
- Green LED display
- Extendable Snooze
- Sleep Timer
- Self-power back-up
- Quartz Embedded



ICF-C717PJ

Premium clock radio with projection capability

- Time and Alarm projection display
- AM/FM 2-Band reception
- Dual alarm
- 5 pre-installed nature sounds
- Large blue LCD display
- Indoor thermometer display
- Audio input cable for MP3 playback
- Quartz embedded



Silver



Black

ICF-C318

Uniquely designed clock radio

- FM/AM 2-Band reception
- Analogue tuner
- Dual alarm
- Date display
- Forward/Reverse time setting
- Green LED display
- Tuning Indicator
- Self-power back-up
- Large extendable snooze button
- Quartz embedded



XDR-C706

DAB/DAB+/FM digital clock radio

- Large clock display with 16 x 2 line text display information
- Brightness control
- 4 alarms
- 20 Station Memory Presets
- Sleep Timer
- Earphone jack
- DC-in jack



Specifications	ICF-205	ICF-C218	ICF-C318	ICF-C414	ICF-C717PJ	XDR-C706
FM Reception				✓		
AM Reception				✓		
LW Reception				-		
Dual Alarm		-		✓		-
Single Alarm		✓		-		
Forward/Reverse Time Setting		-	✓	-	✓	-
Power Back-Up			✓			-
Supplied Backup Battery				✓		-
Date Display				✓		
Extendable Snooze			✓	-		✓
Dimensions (W x H x D)	146 x 145 x 69.5mm	165 x 64.5 x 146mm	146 x 69.5 x 145mm	178.9 x 121.8 x 88.5mm	217 x 67 x 62mm	192.5 x 92.6 x 87.7mm
Weight	Approx. 555g	Approx. 522g	Approx. 556g	Approx. 621g	Approx. 670g	Approx. 455g



Clock Radios With Dock Features



ICF-C8WM

Designed exclusively for Sony Ericsson phones and Sony Walkman® MP3 players

Music playback

- Sony Ericsson phone/Walkman® playback and charge
- Digital AM/FM tuner

Alarm

- Wake/Sleep to Sony Ericsson phone/Walkman® player, radio or buzzer
- Dual alarm
- Battery backup alarm system

Speakers

- Power 0.8W

Other features

- Full-function Wireless Remote Commander® (included)
- *Compatible with certain models only
- Line-in audio
- Quartz embedded
- Supplied backup battery

ICF-C05iP

Compact and stylish dock

Music playback

- iPod/iPhone Dock playback and charge
- Digital FM tuner

Alarm

- Wake/Sleep to iPod/iPhone, radio or buzzer
- Single alarm
- Battery backup alarm system

Made for iPod iPhone

Other features

- Manual daylight time setting
- Quartz embedded
- High/Med/Low brightness control

ICF-C7iP

Your perfect bedside time-keeping buddy

Music playback

- iPod/iPhone Dock playback and charge
- Digital AM/FM tuner

Alarm

- Wake/Sleep to iPod/iPhone, radio or buzzer
- Dual alarm
- Battery backup

Made for iPod iPhone

Speakers

- Power 0.8W

Other features

- Full-function Wireless Remote Commander® (included)
- Line-in audio
- Quartz embedded



ICF-CD3iP

The perfect companion to rip the tunes to your iPod or iPhone

Music playback

- iPod/iPhone Dock playback and charge
- CD playback
- Digital AM/FM tuner

Alarm

- Wake/Sleep to iPod/iPhone, radio or buzzer
- Dual alarm
- Battery backup

Made for iPod iPhone

Speakers

- Power: 1W + 1W

Other features

- Full-function Wireless Remote Commander® (included)
- Line-in audio
- Quartz embedded

ICF-DS11iP

Big boisterous beats, with powerful audio from this clock radio

Music playback

- iPod/iPhone Dock playback and charge
- Digital AM/FM tuner

Alarm

- Wake/Sleep to iPod/iPhone, pre-installed nature sound, recorded voice, radio or buzzer
- Dual alarm
- Battery backup alarm system

Made for iPod iPhone

Speakers

- Power: 3.5W + 3.5W
- Stereo speakers with Mega Xpand and Mega Bass

Other features

- Full-function Wireless Remote Commander® (included)
- Audio connecting cable supplied (for Line-in audio)
- Backup battery supplied
- Quartz embedded

XDR-DS12iP

DAB+Radio with iPod Dock

Music playback

- iPod/iPhone Dock playback and charge
- DAB+/FM tuner

Alarm

- Wake/Sleep to iPod/iPhone/ radio or buzzer
- Dual alarm
- Battery backup alarm system

Made for iPod iPhone

Speakers

- Stereo speakers with Mega Xpand and Mega Bass
- Power: 3.5W + 3.5W





ICF-CL75iP

7-inch display with music/video playback

Music playback

- iPod/iPhone Dock playback and charge
- MP3/WMA music playback from USB/MS/SD card
- Digital AM/FM tuner

Photo/Video streaming

- Source: iPod/iPhone/Memory Stick/SD Card/USB
- WVGA resolution (800 x 480 Pixels)
- Adjustable slideshow intervals



Alarm

- Wake/Sleep to iPod/iPhone, pre-installed nature sound, recorded voice, radio or buzzer
- Dual alarm
- Battery backup alarm system

Speakers

- Front stereo speakers: 1W + 1W

Other features

- 1GB embedded memory
- In-built microphone for recording
- High/Med/Low/Night brightness control
- Quartz embedded



RDP-X80iP

Feel the good sound quality and powerful bass from this stylish portable speaker dock with OLED display

Music playback

- iPod/iPhone/Dock playback and charge

Speakers

- Stereo speakers with digital amplifier
- Digital signal processor
- Sound control equaliser
- 5 sound modes: Rock, Pop, Jazz, Vocal and Flat
- Power: 20W + 20W

Other features

- Up to 7 hours of music
- Playback using supplied rechargeable battery
- Retractable dock tray
- Organic LED display
- Touch sensor key
- Line-in audio
- Full-function Wireless Remote Commander® (included)

Specifications	ICF-C8MW	ICF-C05iP	ICF-C7iP	ICF-CD3iP	ICF-DS11iP	XDR-DS12iP	ICF-CL75iP
FM Reception				√			
AM Reception	√	-			√		
Dual Alarm	√	-			√		
Extendable Snooze				√			
Power Backup				√			
Supplied Backup Battery				√			
Mega Xpand		-			√		-
Bass Boost		-			√		-
Power Output	0.8W	10W + 10W	0.8W	1W + 1W	3.5W + 3.5W		1W + 1W
Date Display	√	-			√		
Dimensions (W x H x D)	115 x 124.7 x 97.1mm	320 x 194 x 154mm	115 x 124.7 x 97.1mm	145 x 156.8 x 15.8mm	300 x 130 x 139mm		205.6 x 148 x 119.5mm
Weight	Approx. 910g	Approx. 410g	Approx. 910g	Approx. 1300g	Approx. 2000g		Approx. 990g
Supplied Accessories	Remote Commander® remote control, backup battery CR2032, audio-in cable, AM loop antenna	Backup battery CR2032	Remote Commander® remote control, Backup battery CR2032, audio-in cable	Remote Commander® remote control, backup battery CR2032, audio-in cable, AM loop antenna	Remote Commander® remote control, backup battery CR2032, audio-in cable, AM loop antenna		Backup battery CR2032, AM loop, antenna, two dock adaptors for iPhone

Speakers With Dock Features



RDP-X50iP

Armed with stereo speakers and Mega Bass®, satisfy the audiophile in you

Music playback

- iPod/iPhone Dock playback and charge

Speakers

- Stereo speakers with digital amplifier
- Mega Bass
- Power: 20W + 20W

Other features

- Full function Wireless Remote Commander®
- Audio-in mini jack



RDP-XF100iP

Compact, slim and easily portable dock that delivers good sound quality with balanced powerful bass and clear treble/midrange with OLED display

Music playback

- iPod/iPhone Dock playback and charge
- Digital FM tuner

Speakers

- Stereo speakers with digital amplifier
- Digital signal processor
- Sound control equaliser
- 5 sound modes: Rock, Pop, Jazz, Vocal and Flat
- Power: 20W + 20W

Other features

- Up to 7 hours of music
- Playback using supplied rechargeable battery
- Retractable dock tray
- Organic LED display
- Touch sensor key
- Line-in audio
- Full-function Wireless Remote Commander® (included)

Specifications	RDP-X50iP	RDP-X80iP	RDP-XF100iP
FM Reception		-	√
AM Reception		-	
Dual Alarm		-	
Single Alarm		-	
Extendable Snooze		-	
Power Backup		√	
Supplied Backup Battery		√	
Mega Xpand		-	
Bass Boost		√	
Power Output		20W + 20W	
Date Display		√	
Dimensions (W x H x D)		356 x 162.8 x 119.7mm	
Weight		Approx. 1900g	
Supplied Accessory		Remote Commander® remote control, audio-in cable	

CD Radio Players



ZS-E5

CD radio player with LCD display, audio-in jack, FM/AM reception and CD-R/RW playback compatible

- CD-R/RW playback compatible
- FM/AM reception
- Output power: 1W/ch
- Audio-in jack
- Digital synthesised tuner

Specifications	ZS-E5
Tuner Section	
FM Reception	✓
AM Reception	✓
MW Reception	-
SW Reception	-
Deck Section	
SW Fine Tuning	-
Full Auto Shut-Off	-
Cue & Review	-
Soft Eject	-
Amplifier & Equaliser Section	
Output Power (P.M.P.O.)	1W + 1W
CD Player Section	
CD-R/RW Playback Capability	✓
Other Features	
Remote Commander®	-
Audio in	✓
Dimensions (W x H x D)	171 x 122 x 271mm
Weight	Approx. 2200g



CFM-S1MK2

60W P.M.P.O with Super Sound System (Black)

- 60W P.M.P.O.
- FM/MW 4-Band reception
- Super Sound System: Bass Reflex body
- Super Sound System: Mega Bass controller
- Super Sound System: Hyper Treble controller
- Built-in microphone
- Tone control
- Full auto shut off
- Soft eject
- SW fine tuning



CFS-B7SMK2

60W with Super Sound System

- 60W P.M.P.O.
- FM/MW/SW1-2 4-Band reception
- Super Sound System: Bass Reflex body
- Super Sound System: Mega Bass controller
- Super Sound System: Hyper Treble controller
- Auto-reverse
- Built-in microphone
- Full auto shut off
- Soft eject
- SW fine tuning



Cassette Radio Players



CFM-S1MK2

15W radio cassette player with improved treble performance

- 15W P.M.P.O.
- FM/MW/SW1-2 4-Band reception
- New Double Cone speakers
- Dynamic Power Booster Plus
- Super Treble Sound
- Built-in microphone
- Full auto shut off
- SW fine tuning
- Dual Voltage operation
- Large speaker unit (120mm)



Specifications	CFM-S1MK2	CFS-B5SMK2	CFS-B7SMK2
Tuner Section			
FM Reception		✓	
AM Reception		-	
MW Reception		✓	
SW Reception		✓	
SW Fine Tuning		✓	
Deck Section			
Auto Reverse	-	✓	-
Synchronised 2-Speed Dubbing		-	
Full Auto Shut-Off		✓	-
Cue & Review	✓		-
Soft Eject		✓	
Amplifier & Equaliser Section			
Output Power (P.M.P.O.)	10W		60W
New Double Cone Speakers		✓	
Mega Bass	-		✓
Bass Reflex Body	-		✓
Dynamic Power Booster Plus		✓	
Super Sound System	-		✓
Tone Control	-		✓
Super Treble Sound	✓		-
2-Way 4-Speaker System		-	
Preset Mode		-	
Other Features			
Built-in Microphone		✓	
CD Line-In		-	
DC-In Jack		-	
Dimensions (W x H x D)	287 x 147 x 110mm		500 x 165 x 170mm
Weight	Approx. 2000g		Approx. 3250g

Docks

Plug In, Charge Up And Keep The Music Going.

Sync, charge and play your favourite music from your compatible iPod when you dock it to Sony's iPod Docks. Just sit back, plug in and unleash your favourite tunes for maximum enjoyment.





Docks

Speakers With Dock Features



RDP-XF100iP

Compact, slim and easily portable dock that delivers good sound quality with balanced powerful bass and clear treble/midrange with OLED display

Music playback

- iPod/iPhone Dock playback and charge
- Digital FM tuner

Speakers

- Stereo speakers with digital amplifier
- Digital signal processor
- Sound control equaliser
- 5 sound modes: Rock, Pop, Jazz, Vocal and Flat
- Power: 20W + 20W

Other features

- Up to 7 hours of music
- Playback using supplied rechargeable battery
- Retractable dock tray
- Organic LED display
- Touch sensor key
- Line-in audio
- Full-function Wireless Remote Commander® (included)



RDP-X80iP

Feel the good sound quality and powerful bass from this stylish portable speaker dock with OLED display

Music playback

- iPod/iPhone/Dock playback and charge

Speakers

- Stereo speakers with digital amplifier
- Digital signal processor
- Sound control equaliser
- 5 sound modes: Rock, Pop, Jazz, Vocal and Flat
- Power: 20W + 20W

Other features

- Up to 7 hours of music
- Playback using supplied rechargeable battery
- Retractable dock tray
- Organic LED display
- Touch sensor key
- Line-in audio
- Full-function Wireless Remote Commander® (included)



RDP-X50iP

Armed with stereo speakers and Mega Bass®, satisfy the audiophile in you

Music playback

- iPod/iPhone Dock playback and charge

Speakers

- Stereo speakers with digital amplifier
- Mega Bass
- Power: 20W + 20W

Other features

- Full function Wireless Remote Commander®
- Audio-in mini jack



Specifications	RDP-XF100iP	RDP-X80iP	RDP-X50iP
FM Reception	√	-	-
AM Reception	-	-	-
Dual Alarm	-	-	-
Single Alarm	-	-	-
Extendable Snooze	-	-	-
Power Backup	-	√	-
Supplied Backup Battery	-	√	-
Mega Xpand	-	-	-
Bass Boost	-	√	-
Power Output	-	20W + 20W	-
Date Display	-	√	-
Dimensions (W x H x D)	-	356 x 162.8 x 119.7mm	-
Weight	-	Approx. 1900g	-
Supplied Accessory	Remote Commander® remote control, audio-in cable		

Clock Radios With Dock Features



ICF-CL75iP

7-inch display with music/video playback

Music playback

- iPod/iPhone Dock playback and charge
- MP3/WMA music playback from USB/MS/SD card
- Digital AM/FM tuner

Photo/Video streaming

- Source: iPod/iPhone/Memory Stick/SD Card/USB
- WVGA resolution (800 x 480 Pixels)
- Adjustable slideshow intervals

Alarm

- Wake/Sleep to iPod/iPhone, pre-installed nature sound, recorded voice, radio or buzzer
- Dual alarm
- Battery backup alarm system

Speakers

- Front stereo speakers: 1W + 1W

Other features

- 1GB embedded memory
- In-built microphone for recording
- High/Med/Low/Night brightness control
- Quartz embedded





XDR-DS12iP

DAB+Radio with iPod Dock

Music playback

- iPod/iPhone Dock playback and charge
- DAB+/FM tuner

Alarm

- Wake/Sleep to iPod/iPhone/radio or buzzer
- Dual alarm
- Battery backup alarm system



Speakers

- Stereo speakers with Mega Xpand and Mega Bass
- Power: 3.5W + 3.5W



ICF-C8WM

Designed exclusively for Sony Ericsson phones and Sony Walkman® MP3 players

Music playback

- Sony Ericsson phone/Walkman® playback and charge
- Digital AM/FM tuner

Alarm

- Wake/Sleep to Sony Ericsson phone/Walkman® player, radio or buzzer
- Dual alarm
- Battery backup alarm system

Speakers

- Power 0.8W

Other features

- Full-function Wireless Remote Commander® (included) *Compatible with certain models only
- Line-in audio
- Quartz embedded
- Supplied backup battery



ICF-DS11iP

Big boisterous beats, with powerful audio from this clock radio

Music playback

- iPod/iPhone Dock playback and charge
- Digital AM/FM tuner

Alarm

- Wake/Sleep to iPod/iPhone, pre-installed nature sound, recorded voice, radio or buzzer
- Dual alarm
- Battery backup alarm system



Speakers

- Power: 3.5W + 3.5W
- Stereo speakers with Mega Xpand and Mega Bass

Other features

- Full-function Wireless Remote Commander® (included)
- Audio connecting cable supplied (for Line-in audio)
- Backup battery supplied
- Quartz embedded



ICF-C05iP

Compact and stylish dock

Music playback

- iPod/iPhone Dock playback and charge
- Digital FM tuner

Alarm

- Wake/Sleep to iPod/iPhone, radio or buzzer
- Single alarm
- Battery backup alarm system



ICF-CD3iP

The perfect companion to rip the tunes to your iPod or iPhone

Music playback

- iPod/iPhone Dock playback and charge
- CD playback
- Digital AM/FM tuner

Alarm

- Wake/Sleep to iPod/iPhone, radio or buzzer
- Dual alarm
- Battery backup



Speakers

- Power: 1W + 1W

Other features

- Full-function Wireless Remote Commander® (included)
- Line-in audio
- Quartz embedded



ICF-C7iP

Your perfect bedside time-keeping buddy

Music playback

- iPod/iPhone Dock playback and charge
- Digital AM/FM tuner

Alarm

- Wake/Sleep to iPod/iPhone, radio or buzzer
- Dual alarm
- Battery backup



Speakers

- Power 0.8W

Other features

- Full-function Wireless Remote Commander® (included)
- Line-in audio
- Quartz embedded

Specifications	ICF-CL75iP	XDR-DS12iP	ICF-DS11iP	ICF-CD3iP	ICF-C7iP	ICF-C8MW	ICF-C05iP
FM Reception				√			
AM Reception			√				-
Dual Alarm			√				-
Extendable Snooze				√			
Power Backup				√			
Supplied Backup Battery				√			
Mega Xpand	-	√				-	
Bass Boost	-	√				-	
Power Output	1W + 1W	3.5W + 3.5W		1W + 1W		0.8W	10W + 10W
Date Display				√			
Dimensions (W x H x D)	205.6 x 148 x 119.5mm	300 x 130 x 139mm		145 x 156.8 x 15.8mm		115 x 124.7 x 97.1mm	320 x 194 x 154mm
Weight	Approx. 990g	Approx. 2000g		Approx. 1300g		Approx. 910g	Approx. 410g
Supplied Accessories	Backup battery CR2032, AM loop, antenna, two dock adaptors for iPhone	Remote Commander® remote control, backup battery CR2032, audio-in cable, AM loop antenna		Remote Commander® remote control, backup battery CR2032, audio-in cable		Remote Commander® remote control, backup battery CR2032, audio-in cable, AM loop antenna	Backup battery CR2032

Dock/MP3/CD Radio Players



ZS-S4iP

Play your favourite tunes from your iPod or iPhone with this easy to use CD Boombox that gives you hours of portable fun

- Compatible with iPod and iPhone
- Built-in CD player
- FM/AM Digital synthesised tuner
- Mega Bass (ON/OFF)
- CD-R/RW playback compatible
- Output power 2W/ch



ZS-S2iP

Rock your iPod® tunes through the rich, powerful bass and crisp stereo sound of this CD/radio boombox with iPod dock

- iPod dock playback and charge
- CD-R/RW playback
- FM/AM Tuner
- Stereo speakers with Mega Bass system
- Power: 60W
- 30 Station Memory Presets
- Remote control
- Line-in audio



Specifications	ZS-S4iP	ZS-S2iP
Tuner Section		
FM Reception		√
AM Reception		√
Digital Synthesiser Tuner	√	-
Station Memory Preset		√
Auto Scan	√	-
Deck Section		
Auto Shut-Off		-
Amplifier & Equaliser Section		
Output Power (R.M.P.O.)	2W + 2W	1.7W + 1.7W
Mega Bass		√
Mega Xpand		-
Preset Sound Mode		-
4-Pattern Electronic Sound Mode		-
CD Player Section		
1-Bit DA Converter		-
CD-R/RW Playback Capability		√
Direct Select Key	√	-
CD Synchronised Dubbing		-
Repeat (1/All/Shuffle/RMS)		√
MP3 Playback		-
Multi-Codec Section		
5 Character LCD		-
Folder/File Selector	√	-
Atrac3plus Playback		-
Speaker		
Full Range		√
Bass Reflex Body	√	-
Metal Punching Net		-
USB Ripper		
Playback USB		-
Other Features		
Headphones (Stereo-Mini)		√
Remote Commander®		√
Audio in		√
Dimensions (W x H x D)	400 x 169 x 224mm	360 x 141.5 x 240.5mm
Weight (Incl. Batteries)	Approx. 3000g	Approx. 2700g

"Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or iPhone respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

Features And Functions

Mega Bass

Automatically boosts the bass and adjusts it according to the volume to give a powerful sound at lower volumes, yet less likely to distort at higher volumes.

MEGA BASS

Bass Boost

Gives more punch in the bass range.

Tape Recorders

Never Miss A Word.

Light and compact, the Sony tape recorder fits your bag and your life – a great companion to match any activity for long periods of time.

Take it for classes like music, cooking or a foreign language, or just simply chill out by the park with your favourite songs.





Tape Recorders



TCM-200DV

Enjoy powerful sound and extended double recording time

- 25 hours long recording time
- 2 tape speed recording
- Voice-Operated Recording (VOR)
- Speed control
- One-touch recording
- Auto shut-off
- Cue and review
- Built-in microphone
- Earphone in-jack
- Microphone in-jack
- DC-in jack
- Hand strap supplied
- Operated by 2 x "AA" batteries



TCM-150

Extended clear recording with powerful sound for speaker playback

- 25 hours continuous recording
- Clear Voice
- One touch recording
- Cue & review
- LED battery indicator
- Built-in microphone
- Front speaker
- DC-in jack



Micro-Cassette Tape Recorders



TCM-450DV

Analogue voice recorder with full aluminium body

- Aluminium body
 - 450mW speaker output
 - Tape counter
 - Double recording time
 - 15 hours long recording time
 - Clear voice
 - Voice-Operated Recording (VOR) ON/OFF
 - Speed control
 - 2 LED indicators - Reference of battery alert & recording
 - 3V DC-in jack
 - Operated by 2 x "AAA" batteries
- Included items:
Batteries, carrying pouch



M-470

Basic micro recorder with clear voice

- Clear Voice
- Slim & small size
- 2 tape speed recording
- 250mW speaker output
- 3V DC-in jack
- Operated by 2 x "AAA" batteries



TCM-400DV

Analogue voice recorder with tape counter for easy reviewing

- Flat microphone
- Tape counter
- 2 speed recording
- 24 hours long recording time
- Voice-Operated Recording (VOR) (High/Low/Off)
- Cue and review
- Speed control
- 3V DC-in jack
- Hand strap supplied
- Operated by 2 x "AA" batteries



Specifications	TCM-450DV	TCM-400DV	TCM-200DV	TCM-150	M-470V
Recording Time	15Hrs	24Hrs	25Hrs		14.5Hrs
LED Battery Indicator	√				√
Voice Mirror			-		
Clear Voice Plus			-		
Clear Voice			√		
Voice-Operated Recording (VOR)	-		√		-
Built-In Microphone			√		
3 Microphone Modes			-		
One-Touch Recording			-		
Fast Playback			-		
Auto Reverse (Playback and Recording)			-		
Cue Marker			-		
2 Tape Speed/Double Recording Time			-		
Tape Counter	√		-		√
L/R Monaural Output			-		
Microphone Jack			√		-
DC-In Jack			√		
Hand Strap Supplied			-		
Dimensions (W x H x D)	86.3 x 113.4 x 28.9mm	86.7 x 144.4 x 35.7mm	86.9 x 116.3 x 36.5mm		60.2 x 110.8 x 22.3mm
Weight	Approx. 173g	Approx. 160g	Approx. 171g	Approx. 169g	Approx. 97g



M-570V

Voice-operated analogue voice recorder with Clear Voice Plus

- Clear Voice Plus
- Tape counter
- Voice-Operated Recording (VOR)
- Slim & small size
- 2 tape speed Recording
- 450mW speaker output
- LED indicators (battery alert, recordings & voice mirror)
- 3V DC-in jack
- Operated by 2 x "AAA" batteries



M-475

Basic micro analogue voice recorder with supplied tape

- Clear Voice Plus
- Slim & small size
- 2 tape speed recording
- 250mW speaker output
- 3V DC-In jack
- Operated by 2 x "AAA" batteries



Specifications	M-570V	M-475*
Recording Time		14.5Hrs
LED Battery Indicator		√
Voice Mirror		-
Clear Voice Plus	√	-
Clear Voice	-	√
Voice-Operated Recording (VOR)	√	-
Built-In Microphone		√
3 Microphone Modes		-
One-Touch Recording		-
Fast Playback		-
Auto Reverse (Playback and Recording)		-
Cue Marker		-
2 Tape Speed/ Double Recording Time	√	-
Tape Counter		√
L/R Monaural Output		-
Microphone Jack		-
DC-In Jack		√
Hand Strap Supplied		-
Dimensions (W x H x D)		60.2 x 110.8 x 22.3mm
Weight	Approx. 104g	Approx. 97g

Features And Functions

Auto Reverse

No time is lost during recording when it gets to the end of one side. This function automatically switches to the next side and continues recording without you doing anything.



Clear Voice

Enjoy high recording performance with exceptionally rich clarity using this sound system that is enhanced further with the Speaker Design for higher power output.



Clear Voice Plus

Advancing from Clear Voice, the voice frequency range's audio level is enhanced for greater clarity, along with minimised differences in volume levels between normal and extended recordings.



Voice Mirror

Working together with VOR, this feature detects an incoming sound and indicates recording is in progress by flickering the LED light bulb.

2-Tape Speed

Select from two modes – the 1.2cm/sec mode for double recording time or 2.4cm/sec for normal periods of recording.



Cue Marker

Use this feature to mark a cue during important points of a recording, to make it easier to find during playback and review.

Fast Playback

Reduce listening time with this function during playback.



Cue and Review

By pressing the FF or REW buttons during playback, you can search quickly for the desired segments and still retain audibility of sounds.

IC Repeat

Repeat recorded segments or phrases in 4, 8 or 16 seconds at the touch of a button perfect for transcribing dictations or learning foreign languages.



Easy Search

Search for a point in your recordings by shifting in 1-minute blocks when you press the "+" or "-" buttons to skip forward or backward respectively.

Zero-stop Counter

Stop the rewind or review automatically at a certain point when you mark it by setting the counter to zero at this specific place of the recording.

Speed Control

Get the clearest possible playback with this feature as it allows you to determine the speed of your playback.



One-touch Recording

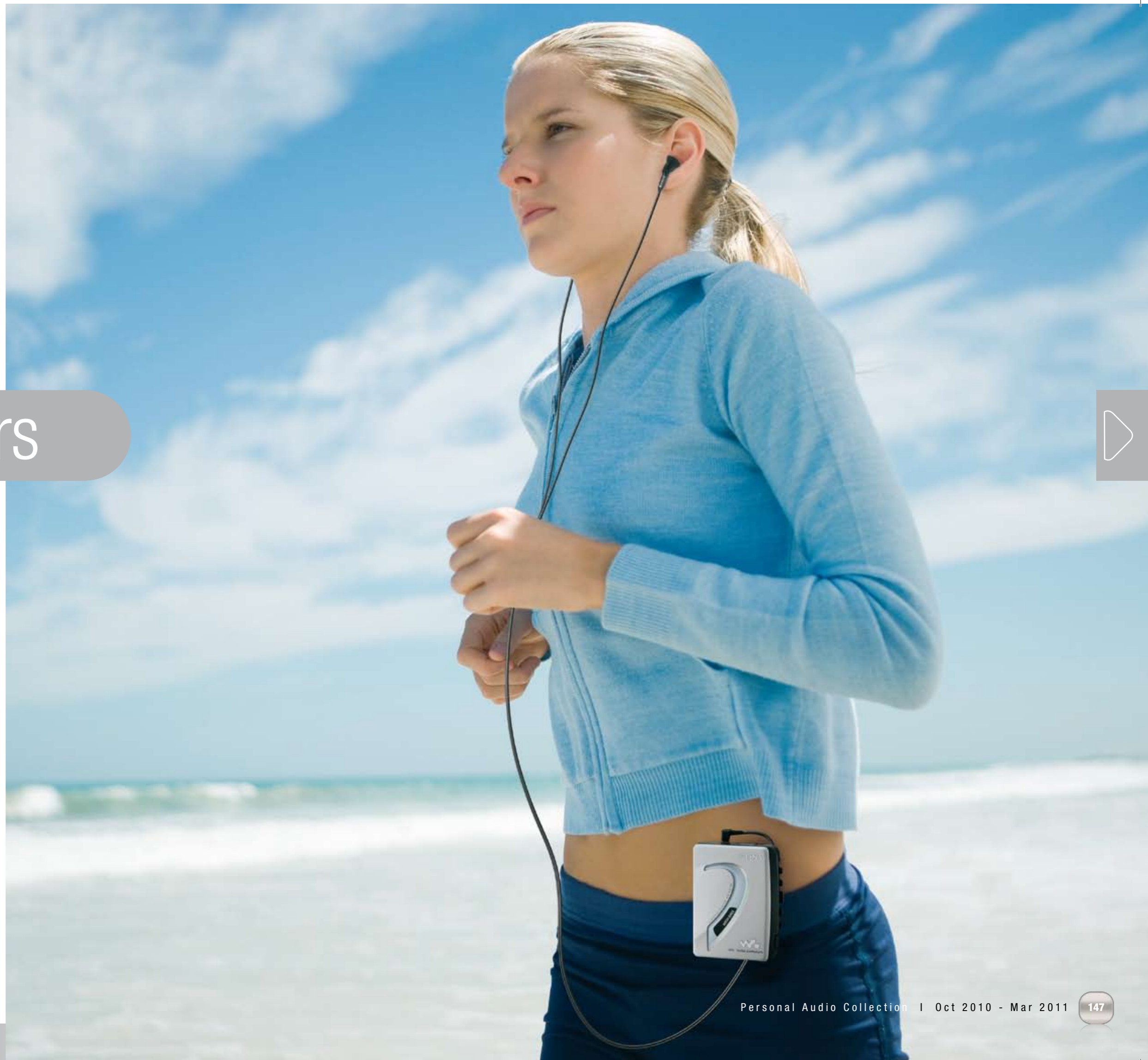
This feature presses the "play" button simultaneously when you hit the "record" button so you can operate the recording with just one finger.



Tape Players

Bring The Music With You.

Stay entertained wherever you go with
Sony's Tape Walkmans that provide
many hours of playtime with
enhanced sound quality. Load up
your favourite tape, strap it on your belt
and do what the Walkman®
was made to do best – walk with it!





Tape Players



WM-FX290 Affordable Digital Tuner Walkman®

- 35 hours Long Play
- Synthesiser tuner with 35FM/5AM
- Auto Scan tuning
- Digital Auto Preset Scanning
- Mega Bass
- LCD battery indicator



WM-EX194

Playback Walkman® with Mega Bass

- 25 hours Long Play
- Mega Bass
- LED battery indicator
- Automatic Volume Limiter System (AVLS)
- Belt clip supplied



WM-EX196

Playback Walkman® with Mega Bass & DC-In jack

- 25 hours Long Play
- Mega Bass
- DC-In jack
- LED battery indicator
- Automatic Volume Limiter System (AVLS)
- Belt clip supplied



Specifications	WM-EX194	WM-EX196	WM-FX290
Playback		25Hrs	-
Battery Indicator		LED	-
Mega Bass		√	-
Playback Speed Control		-	-
Sound Revitaliser		-	-
Stereo Recording (With Supplied External Stereo Microphone)		-	-
Double Recording Time		-	-
Auto Reverse		-	Playback
Earphones/Remote Control	MDE-E708SP/RM-WME25/ MDR-E708LP	MDR-E708LP	MDR-E808LP
Anti-Rolling Mechanism		√	-
Automatic Volume Limiter System (AVLS)		√	-
ISS Switch		-	-
Hold		-	√
Auto Shut-off		√	-
DC-in Jack		-	-
Dimensions (W x H x D)		83.7 x 111.57 x 30.9mm	87.9 x 112.4 x 31.4mm
Weight		Approx. 112g	Approx. 153g



Features And Functions

Worldwide Digital Tuner



Travel anywhere and still listen to your favourite radio station at home or in any country in the world with the wider FM frequency range of 76MHz - 108MHz.

Auto Scan Tuning



Automatically scans for frequencies within the designated range and stops at a broadcast signal so you can set it as a preset station.

Digital Auto

Preset Scanning



Play all preset stations for 8 seconds consecutively and choose the station to stop and listen to, as they play your favourite songs.

Phrase Repeat

Repeat selected portions of tape using the IC Memory so as not to wear out the tape.

Repeat & Compare

Record your own voice onto IC Memory and along with Phrase Repeat, listen and compare it to the original source - ideal when learning a foreign language.

A-B Repeat

Repeat the previous portion of the recorded tape with the touch of a button.

Double Recording Time



Double your recording time of each tape with just a switch.

2-mode Auto Reverse



The auto reverse function can either stop at one cycle or be set to continuous playback.

Groove



Groove to your tunes with extra dynamism and superbass enhancement, further lifted by the special Bass Boost Fontopia headphones that comes with built-in Bass Booster and longer ear chip.

Sound Boost



Enhances both the high and low frequencies for greater music enjoyment.

Mega Bass



Mega Bass circuit deepens and enriches the bass output to match your preferred bass level and the type of music being played. And get even more powerful sound with less residual noise with sound boost that is controlled according to the input level.

Sound Revitaliser



Revitalise your worn-out tapes where high-frequency tones are missed out, and restore the clarity and loudness as if they were new.

Dolby B NR, B/C

Eliminates the inherent "hiss" noise of the cassette tape format.

Automatic Volume

Limiter System (AVLS)

Savour maximum acoustics without sound leak and without having to play at damaging volumes to your ear drum. The volume is preset and will not be exceeded should you accidentally increase it while on the move.



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