

MAIN 2008 UNITS

INSPIRATION AND IMPACT FOR THE NEXT GENERATION IN AUTOMOTIVE LIFESTYLES

Clarion's 2008 source unit lineup is feature packed. Our next generation source units combine cutting edge technology along with ergonomic designs that make the units easy to use. The new source units continue Clarion's pursuit of faithful sound reproduction, while adding many audio playback options. From CD-R/RW, MP3, WMA and AAC playback of CD based compressed audio files, to connectivity options for portable digital music players such as USB, iPod and AUX inputs, Clarion gives you the features and flexibility to enjoy your music the way you want to.

Ergonomic designs for simplicity of use

The SLIDETRAK feature found on the DXZ788RUSB and the DXZ588RUSB provides precise control of key features on the source unit with a simple swipe of the fingertip. Large buttons found on the front panel of the DXZ388RUSB/DB288RUSB/DB188RMP/FB289RBT/FB288RBT are laid out in a logical sequence that makes these units easy to use and cosmetically pleasing. On the 2-DIN DUZ388RMP, the main rotary control is located in the centre of the display for easy access to iPod control and volume adjustments. For 2008, Clarion sourceunit offerings bring together great features and ergonomic designs for greater control and less distraction.



SLIDETRAK Sideways Control

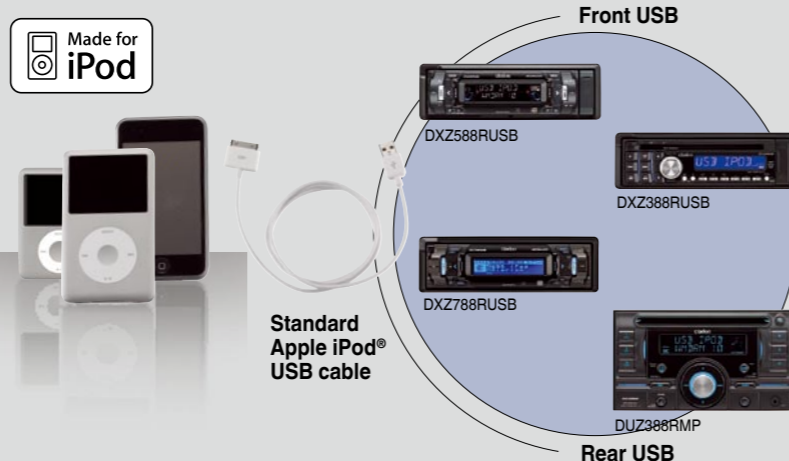
Front USB slot for easy enjoyment of music files

A USB slot has been integrated into the front panel of the centre unit, enabling easy connection of USB memory and other mobile devices. Just plug in the cable, and music files that you've ripped or downloaded using your computer can now be enjoyed right on your car audio system. (DXZ788RUSB/DXZ588RUSB/DXZ388RUSB/DB288RUSB/DUB278RMP/DUZ388RMP)



Direct iPod control: Connectivity for seamless enjoyment of your music

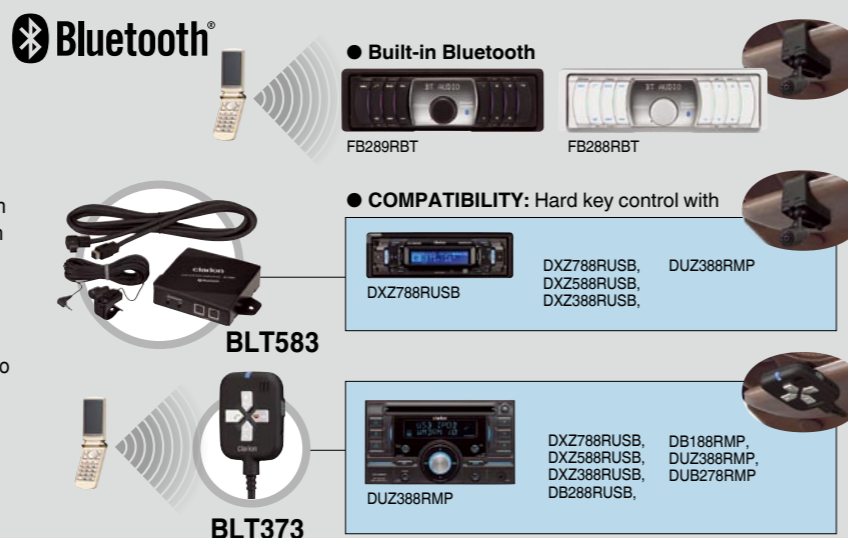
Personal audio players, due to their ever-decreasing size and increasing capacity, are infusing new possibilities into car entertainment. Clarion source units offer direct connectivity with iPod, the preeminent personal audio product. All you have to do is connect the iPod to the Clarion source unit using the USB cable, and all those tunes you carry on iPod can be enjoyed through the car's audio system. (Front USB: DXZ588RUSB/DXZ388RUSB. Rear USB: DXZ788RUSB/DUZ388RMP.)



* Use the USB cable included with the iPod.
* See the Clarion website for iPod models that can be connected.

Bluetooth® for hands-free communication and wireless music play

This function enables integrated operation with a Bluetooth mobile phone so you can enjoy hands-free communication through your car system. Smooth in-car communication supports a safer driving experience. In addition to the FB289RBT/FB288RBT with built-in Bluetooth, the DXZ788RUSB/DXZ588RUSB/DXZ388RUSB/DB288RUSB/DB188RMP/DUB278RMP/DUZ388RMP also offer Bluetooth when used in conjunction with BLT583/BLT373.



Compatible with WMDRM 10 Digital Content Copyright Management format

WMDRM 10 is a copyright management format used in digital audio and video content such as music and movies. Even files that are legally purchased cannot be played back if the source unit doesn't support this technology. Clarion's source units are always in step with the latest technological trends to afford maximum usability, and the WMDRM 10 format is no exception. Clarion assures playback and enjoyment of WMDRM 10 format music files downloaded through corresponding online music distributors.

* Playback of WMDRM content from a PC on the in-vehicle unit is through a compatible portable audio player.
* Please see the Clarion website for Portable devices that can be connected.

6ch RCA output to allow for future system upgrades

6ch/6V RCA output is included with future system expansion in mind. This output enables you to enjoy live performances with more realistic sound. 2ch at the non-fader as well as 2ch at the front and 2ch at the rear let you flexibly make a variety of upgrades to the system to fit your driving lifestyle - (DXZ788RUSB).

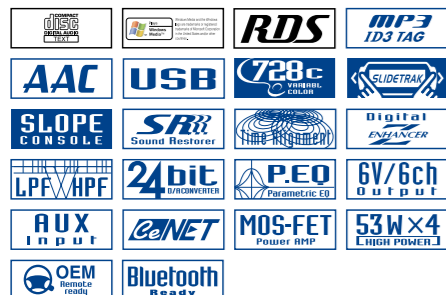
New source units open new audio possibilities

FB289RBT and FB288RBT are mechanism-free memory audio source units where functionality and design converge at the highest levels. They support SD cards, giving them data compatibility with personal computers and mobile media players. The 2-DIN USB source unit DUB278RMP brings the concept of modern living into your car. And the list continues: the DUZ388RMP with its solid and stately design that perfectly matches your instrument panel, as well as the WXZ468RMP with its built-in 6-disc changer and home audio type design. These units feature large, easy to use controls to keep driver distraction to a minimum.



DXZ788RUSB

HIGH-END CD/USB/MP3/WMA/AAC RECEIVER WITH CeNET CONTROL



- CD-R/RW ready
- MP3, WMA and iTunes® AAC compatible with ID3-TAG display
- Rear USB connector with maximum track capacity: 130,560 (255 tracks in 512 folders)
- WMDRM 10 playback via supported MTP device
- 18 FM, 6 MW/LW station presets
- RDS-EON DSP tuner with variable bandwidth and Radio Text display
- iPod® direct control via USB
- 6-volt / 6-channel audio pre-out
- Subwoofer level control
- 24-bit D/A converter
- Sound Restorer
- Digital Z-Enhancer sound customisation
- Digital time alignment control
- 3-way active crossover
- 3-band parametric equaliser
- Built-in High Pass Filter & Low Pass Filter
- Built-in amplifier canceller
- 4-channel x 53 watts of MOS-FET amplification
- Motorised sloping console
- 728-variable colour display and illuminated keys
- Full dot display with Screensavers
- "SLIDETRAK" for dynamic operation
- Mobile input and Phone mute
- Auxilliary input with level control
- CeNET control of Bluetooth® interface adapter BLT583 ready for handsfree and 6-disc CD changer
- OEM steering wheel remote wired interface capability
- Detachable control panel

The DXZ788RUSB focuses on high quality sound in the digital age. It features streaming audio via an optional Bluetooth® receiver (Only BLT373), iPod® direct connection and Digital Media Streaming capability. Digital Time Alignment Control along with a 3-way crossover gives you the ability to precisely balance the speaker positions in the vehicle for the optimum listening experience.



Digital technology with awesome sound quality



Remote Control



DCP



CD loading slot



Direct USB iPod® Control

You no longer need an expensive adaptor box or interface cable to connect your iPod to your Clarion source unit. Simply connect the USB cable included with the iPod to the DXZ788RUSB rear USB input for battery charging and complete control of your iPod.

* Use the USB cable supplied to connect the iPod.
* See the Clarion website for iPod models that can be connected.



Rear USB connector compatible with WMDRM 10

The rear USB connector is compatible with the Windows Media Digital Rights Management (WMDRM) 10 format for audio, video, and other data. The connector allows you to link to a USB compatible device to play music files in WMDRM 10 format that were purchased and downloaded over the Internet.

* See the Clarion website for portable audio players that can be connected.



Bluetooth® BLT583 (CeNET) ready

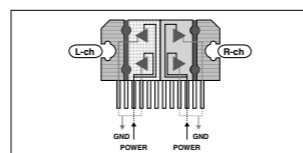
Bluetooth BLT583 (CeNET) ready with equipment using Clarion's CeNET connection. You can, for example, transfer address book data equivalent to five mobile phone address books to the unit.

Sound technology



6-volt/6-channel output

Equipped with 6V/6ch outputs for reproduction of sources with high sound quality. Together with crossover settings, it can be used to output to various speaker systems like Front 2ch + Rear 2ch + Subwoofer 2ch.



212 watts MOS-FET power amplifier

There's only one way for Clarion's DXZ788RUSB to deliver 4-channel x 53 watts of unyielding power output and superior linearity: MOS-FET amplification, or, otherwise known as Metal Oxide Semiconductor Field Effect Transmitter amplification. Smaller and more efficient than conventional power supplies, this MOS-FET amplification circuitry delivers power with less distortion and zero On/Off switching noise. So turn it up or down for easy listening. MOS-FET amplification — your music has never sounded better.

Subwoofer volume control

The dedicated subwoofer volume and level control gives you more control over your system's bass performance. This even includes a low pass crossover which, when selected (50Hz/80Hz/120Hz selectable), turns the rear channel RCA line level outputs into dedicated subwoofer outputs.

2-line Full-Dot LCD and support for MP3/WMA/AAC audio formats

The dot-matrix 2-line display enables you to display a variety of information, and provides a reliable and easy-to-use interface between the user and the source unit, which supports audio compression formats such as MP3, WMA, and AAC.

SLIDETRAK Control

Clarion takes H.M.I. to yet another level with the introduction of SLIDETRAK. With a simple swipe of the fingertip, it provides precise control of the key features on the head unit.

728 variable colours

Colour-tuning the look of your audio system is easy. Clarion also lets you fine-tune the look of your source unit with 728-colour illumination. Choose from 13 different preset colours to let the DXZ788RUSB slowly morph through the entire spectrum or fine tune the Red, Green and Blue levels to match your dash perfectly.



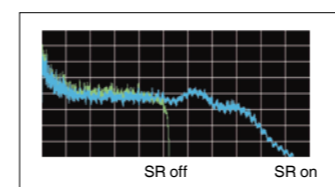
Digital Time Alignment with 3-way Crossover

To achieve optimum sonic imaging, each speaker should be mounted the same distance from the listening position. Unfortunately, this is almost impossible within the environment of a vehicle. Digital Time Alignment digitally delays the sound from each speaker to effectively align the speakers for perfect imaging. The 3-way crossover separates the audio spectrum into different bands to optimise each speaker's frequency response and minimise phase cancellation. The 3-way crossover optimises each speaker's output range resulting in natural and smooth transitions between frequency ranges.



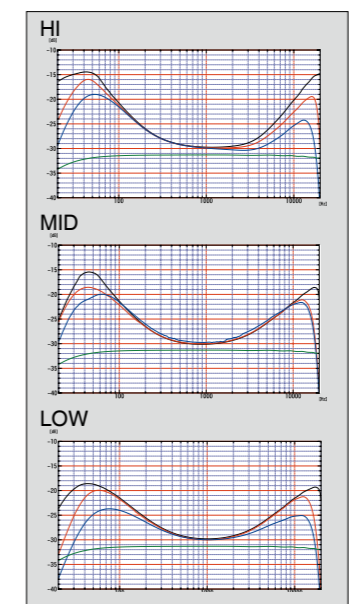
Sound Restorer

Hear your music the way it was meant to be heard. Clarion's Sound Restorer recreates the high frequency information that is lost during compression. The result is clear and detailed sound.



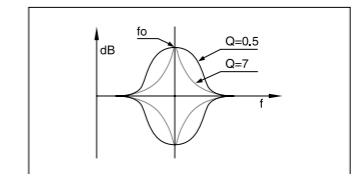
Digital Z-Enhancer

Clarion's Digital Z-Enhancer controls P-EQ, HPF, and LPF through the DSP, allowing you to select from three equalising patterns that emphasise the range of tones in the treble and bass regions respectively while maintaining perfect acoustic balance. Furthermore, by adding gain adjustment (HI, MID, LOW) to the 3 equalising patterns, it is now possible to choose from 9 different equalising patterns to customise the sound quality pattern so that it matches your speaker system or selected music source perfectly.



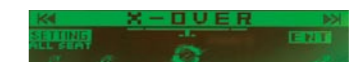
3-band parametric EQ

Lets you adjust the equalisation of each frequency band independently for the front and rear speakers.



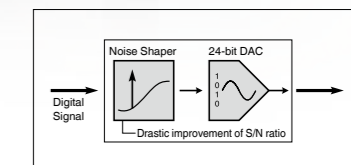
Crossover

Separates the sound spectrum into different bands so you can minimise peaking and phase cancellation, which can result in muddy sound when using a 2-way or 3-way speaker system. X-over circuitry also optimises each output range, resulting in more natural and smoother transitions between ranges. And since it's built-in, it requires no additional equipment or expertise. The cut-off frequency, filter, slope and phase can be adjusted for each band, enabling precise sound tuning. You can also set a Time Alignment value for each speaker for optimal sound matched to the vehicle's acoustics.



SPEAKER SETTING

- Normal: F2ch + R2ch + SW2ch
- 3-way: H12ch + MID2ch + SW2ch
- 2-way: H12ch + MID2ch + R2ch

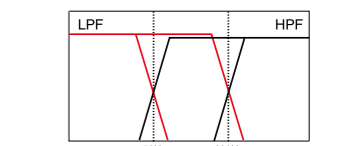


24-bit D/A converter

A key component in the transfer of digital data from a CD into analogue sound is Clarion's 24-bit D/A converter. Because the digital realm is made up of unnaturally square sound waves, as opposed to the smoothly undulating sound waves characteristic of the real-world environment, Clarion's 24-bit D/A converter recreates the natural nuances and expressions lost during the sound reproduction process.

Built-in High Pass/Low Pass Crossovers

Built-in High Pass crossovers let your front and rear speakers reproduce the proper frequencies for natural sound and efficient power handling. The DXZ788RUSB also has a Low Pass filter with selectable crossover frequencies of 50, 80 or 120Hz, coupled with a Subwoofer Level Control



to enable full adjustment and control of a connected subwoofer for maximum system performance.

This model is equipped with a USB slot to directly connect your iPod® for control via your car system. In addition, the 6-channel RCA outputs allow future system upgrades. With support of the WMDRM 10 digital rights management format and playback of audio files via a USB link, it realises a car multimedia style for seamless entertainment in your vehicle.

Next generation source units combine connectivity with superb audio performance.



Remote control
DCP

Flip-down panel and CD/MP3/WMA/AAC playback

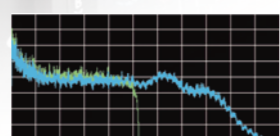


SLIDETRAK



Sound Restorer

Hear your music the way it was meant to be heard. Clarion's Sound Restorer recreates the high frequency information that is lost during compression. The result is clear and detailed sound.



SR off SR on

24-bit D/A converter

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DXZ588RUSB

CD/USB/MP3/WMA/AAC RECEIVER WITH CeNET CONTROL



- CD-R/RW ready • MP3, WMA and iTunes® AAC compatible with ID3-TAG display • Front USB slot with maximum track capacity: 130,560 (255 tracks in 512 folders) • WMDRM 10 playback via supported MTP device • 18 FM, 6 MW/LW station presets • RDS-EON DSP tuner with variable bandwidth and Radio Text display • iPod direct control via USB • Subwoofer level control • 24-bit D/A converter • Sound Restorer • Digital Z-Enhancer sound customisation • 2-band parametric equaliser • Built-in High Pass Filter & Low Pass Filter • 4-channel x 53 watts of MOS-FET amplification • Flip-down console • High visibility 2-line display with Screensavers • "SLIDETRAK" for dynamic operation • Mobile input and Phone mute • Auxilliary input with level control • 6-channel audio pre-out • CeNET control of Bluetooth® interface adapter BLT583 ready for hands-free and 6-disc CD changer • OEM steering wheel remote wired interface capability • Detachable control panel

Support of wide variety of digital era media and compression formats

Now, playing that music is a breeze. Clarion has added Apple iTunes AAC file support to our existing MP3 and WMA compressed digital audio compatibility.

Rotary volume control

Blending ergonomics, styling and functionality, Clarion's pop-out, rotary volume control offers precise control of your audio system. Illuminated during nighttime use, the rotary dial boasts a rubberised grip and a large design so you'll always be in full control.

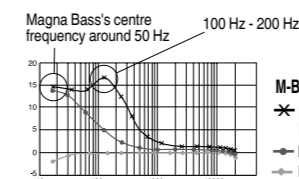
Front AUX input

The front AUX input of the centre unit allows you to seamlessly connect portable music players such as an iPod. Simply connect the cable directly and listen through your car system.



Sound adjustment (Z-Enhancer Plus + Magna Bass EX)

Clarion's Z-Enhancer Plus lets you select from three performance patterns — Type 1, Type 2 and Type 3. With a touch of the control keys, you can arrange the high-quality sound to better fit the genre of music you are listening to. While most loudness controls boost bass at 60/80/100/200 Hz, the Magna Bass EX circuit boosts bass around 50 Hz. This creates a rich, deep, defined bass rather than the muddy, booming bass of a standard loudness control. The Magna Bass EX boost levels are dependent on the system volume, which results in balanced system response and dynamic bass reproduction.



DXZ388RUSB

CD/USB/MP3/WMA/AAC RECEIVER WITH CeNET CONTROL



- CD-R/RW ready • MP3, WMA and iTunes AAC compatible with ID3-TAG display • Front USB slot with maximum track capacity: 130,560 (255 tracks in 512 folders) • WMDRM 10 playback via supported MTP device • 18 FM, 6 MW/LW station presets • iPod direct control via USB • 6ch RCA output • Built-in High Pass Filter & Low Pass Filter (HPF only for speaker line out) • Z-Enhancer Plus sound customisation • MAGNA BASS EX dynamic bass enhancement • 4-channel x 50 watts • High visibility single line display with Screensavers • Rotary volume control • Phone mute • Front-panel auxilliary input with level control • CeNET control of Bluetooth interface adapter BLT583 ready for hands-free and 6-disc CD changer • OEM steering wheel remote wired interface capability • Detachable control panel



Remote control
DCP

Performance without limits, connectivity without sacrifice

Use your mobile phone hands-free and play any type of compressed music formats such as MP3, WMA or AAC. The DXZ388RUSB features a front panel USB connector for playback of music files stored on a USB storage device. The DXZ388RUSB boasts a clean, functional cosmetic look coupled with the audio performance you have come to expect from Clarion.

Direct USB iPod® control

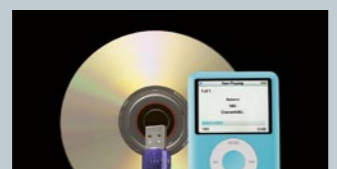
You no longer need an expensive adapter box or interface cable to connect your iPod to your Clarion source unit. Simply connect the USB cable included with the iPod to the front USB input for battery charging and complete control of your iPod.*

* Use the USB cable supplied to connect the iPod.
* See the Clarion website for iPod models that can be connected.



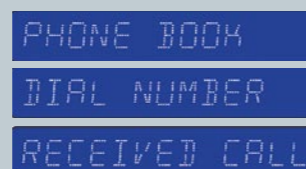
Enjoy digital media

Support for multiple audio compression formats, such as MP3, WMA, and AAC, and the digital rights management WMDRM 10 format, iPod linking, and improved connectivity with USB devices – all these make it possible to seamlessly enjoy music with a variety of digital media.



Bluetooth® BLT583 (CeNET) ready

Bluetooth BLT583 (CeNET) ready allows hands-free conversation via a CeNET connection. Enjoy audio streaming and two-way hands-free conversation with a Bluetooth-compatible mobile phone.



Playback of WMDRM 10

WMDRM 10 files are encoded to prevent unauthorised transfer of protected audio content, such as encoded music files purchased from online music services. To meet these constantly evolving technology trends, the DXZ788RUSB/DXZ588RUSB/DXZ388RUSB can process and play these specially encoded music files.

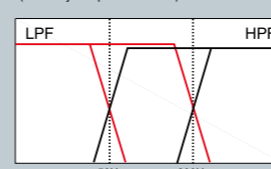
* See the Clarion website for portable audio players that can be connected.



High Pass/Low Pass Filter

You can set the frequency range of the audio signal that's output to each channel to best match the acoustic characteristics of the front and rear speakers and the subwoofer. This is also possible even if you decide to connect your original speakers directly to your head unit without an external amplifier. The High Pass Filter is also available to cut off frequencies below 50, 80 or 120 kHz.

DXZ388RUSB (HPF only for speaker line out)



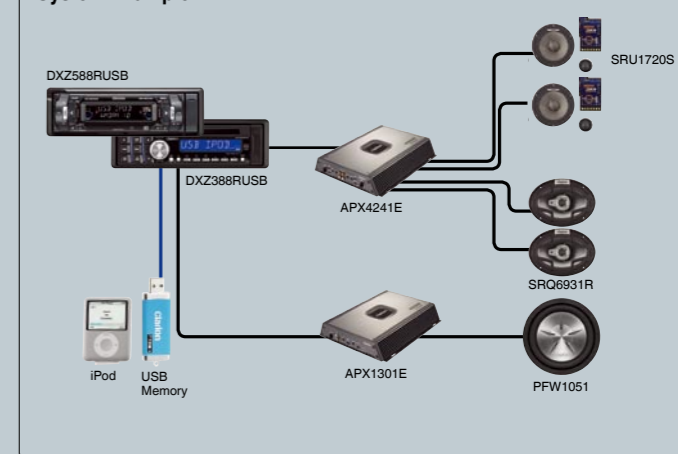
6-channel output

Equipped with 6ch outputs for reproduction of sources with high sound quality. Together with crossover settings, it can be used to output to various speaker systems like Front 2ch + Rear 2ch + Subwoofer 2ch.



The photo is of DXZ588RUSB.

System Example



Large illuminated buttons are employed and laid out in an asymmetrical design which provides ease of use and less distraction. A USB slot has been added to the front panel to enhance connectivity with a wide variety of devices. Z-Enhancer Plus also enables you to tailor the sound to your musical taste.



Integration of front USB connectivity with a new style of interface

DB288RUSB
CD/USB/MP3/WMA RECEIVER



• CD-R/RW ready • Front USB slot with maximum track capacity: 65,535 (256 tracks in 999 folders) • MP3 and WMA compatible with ID3-TAG display • 18 FM, 6 MW/LW station presets • 13 x 8 digits High visibility LCD • Z-Enhancer Plus sound customisation • MAGNA BASS EX dynamic bass enhancement • 4-channel x 50 watts • High visibility single line display with Screensavers • Rotary volume control • Non Fader volume control • Front-panel auxiliary input with level control • 4-channel audio pre-out (front-non fader) • AUX Bluetooth transceiver BLT373 ready • OEM steering wheel remote wired interface capability • Detachable control panel



USB slot on the front panel

USB (Universal Serial Bus) is an international interface standard for connection of peripheral devices. It is fully supported via the USB slot on the front. This enables simple plug-in connection of a wide range of devices and USB memory media carrying up to 65,535 songs.

MP3/WMA playback

Compatible with the MP3 and WMA (Windows Media Audio) compressed audio formats to support long drives.

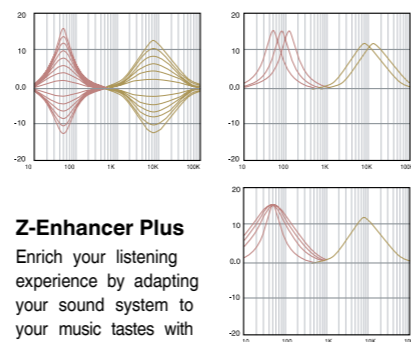
Screensaver with message information

You can enter your own greeting up to 30 characters long that will be shown on the display when the unit is switched on and off. Also, the screensaver is displayed if the unit is left idle for a certain amount of time.



4ch/2V RCA output

With an eye for system expansion, Clarion designed the DB288RUSB with 4ch/2V RCA line level outputs. This unique design assigns one pair of RCA outputs to the front channels, while the other two are assigned as a subwoofer output. The rear channels are delivered through the unit's built-in 50W x 4-channel amplifier. You can fade front line out to the rear-speaker amplifier for overall system balance, while the subwoofer output level can be independently adjusted thanks to the non-fading volume control incorporated in the Rotary Volume Control.



Z-Enhancer Plus

Enrich your listening experience by adapting your sound system to your music tastes with Clarion's Z-Enhancer Plus. This feature allows you to select from three performance patterns —Type 1, Type 2 and Type 3. The gain and Q (steepness) of each performance pattern can also be adjusted, making it possible to emphasize the power and responsiveness of each band. Simply touch the control keys to arrange the sound inside your car to better suit your favourite music genre.

Ready for OEM remote controller



More and more cars are sold with original car radios that can be operated from convenient controls on the steering wheel. Both the DB288RUSB and the DB188RMP feature an interface input that allows connection of the steering wheel controls in your car. This way, you get the best of both worlds: continued use of the handy steering wheel controls and a top-performing Clarion system in your car.



DB188RMP
CD/MP3/WMA RECEIVER



• CD-R/RW ready • MP3 and WMA compatible with ID3-TAG display • 18 FM, 6 MW/LW station presets • Z-Enhancer Plus sound customisation • MAGNA BASS EX dynamic bass enhancement • 4-channel x 50 watts • High visibility single line display with Screensavers • Rotary volume control • Phone mute • Mobile input through minijack • Front-panel auxiliary input with level control • 2-channel audio pre-out • AUX Bluetooth transceiver BLT373 ready • OEM steering wheel remote interface capability • Detachable control panel

Support for audio compression formats such as MP3, WMA and an AUX input on the front of the centre unit enables seamless connectivity such as an iPod or portable music player. The large illuminated buttons and rotary volume knob improves system operation.

Sophisticated design employing brilliantly illuminated buttons



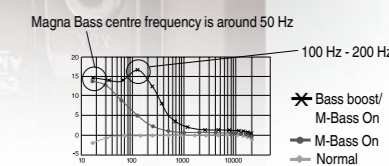
Rotary volume control

Clarion's electronic rotary volume control is ergonomically designed for ease of use. Rather than utilising a resistor-type potentiometer volume control, which can cause unwanted noise, Clarion's electronic potentiometer volume control provides precise control and clarity.



Front panel auxiliary input

Both the DB288RUSB and the DB188RMP feature a front panel auxiliary input. Plug in your portable music player and enjoy music the way it was meant to be heard.



Magna Bass EX

Now, Clarion's new Magna Bass EX boosts the bass by nearly 10 dB at even lower frequencies around 50 Hz —lower than that of ordinary loudness circuits at around 100 Hz, to provide extra low— frequency impact. It even automatically compensates the volume level to ensure well-balanced dynamic bass at any level.

MP3, WMA and ID3-TAG

Both models handle MP3 and WMA digital audio files, and both support ID3-TAG coding for display of title info. Because both MP3 and WMA files are compressed, each CD-R or CD-RW can hold up to 12 hours of music with CD sound quality.

ACCESSORIES

CABLES		FM MODULATOR	CD MAGAZINE	REMOTE CONTROLS	
CCA389 AV ADAPTER CABLE, 2.5 M 8-PIN → RCA (1 VIDEO / 2 AUDIO) For VRX848RVD / VRX743R A/V input	CCA519 MULTILINK Y-CABLE For CeNET changers	FM863 8-channel FM modulator	CAA397 6-DISC MAGAZINE For DC2628, DC628 and VC2628	RCB147 INFRARED JOYSTICK REMOTE CONTROL	RCB187 INFRARED AV REMOTE CONTROL For MAX973HD & MAX983HD
CCA521 CeNET EXTENSION CABLE, 0.6 M	CCA520 CeNET EXTENSION CABLE, 2.5 M			RCB176 INFRARED REMOTE CONTROL	

IMMERSE YOUR SENSES IN SOUND

From the solid look and feel of the edge-lit control panel to the simplicity of the central volume control – the FB288RBT/FB289RBT breaks all previous source unit stereotypes. Clarion's advanced H.M.I. design launches a new era in mobile source units with FB288RBT/FB289RBT and DUB278RMP.



Advanced functions such as hands-free calling and enhanced media links are combined.

With a built-in Bluetooth® receiver, this unit allows you to enjoy hands-free calling with your Bluetooth® enabled mobile phone. Furthermore, a built-in SD slot makes playing music from external sources easy, while utilising an ID3-TAG display allows simple manipulation of compressed (MP3) music files. In addition, the 728-Variable colour illuminated keys complete the brilliant user interface.

Unique concept

The concept of the FB289RBT/FB288RBT was to encompass sleek, bold styling, while delivering advanced features for digital music buffs. We employed a lustrous finish that accents the eight arched control buttons and centred the oversized rotary volume control to provide ergonomically pleasing manipulation. Clarion delivers the future, today.

Intuitive design

FB289RBT/FB288RBT are like no other source units with the intuitive H.M.I. design that minimises the number of buttons required for maximised functionality. Each button is large and easy to use, at the same time integrated in the overall cosmetic design.

Connectivity

Today's car audio enthusiast demands digital music connectivity, and Clarion facilitates this by delivering options for these state-of-the-art requirements. With that in mind, Clarion has added state-of-the-art connectivity in this new non-mechanical unit, such as an SD card slot for on the go PC users, and built-in Bluetooth® connection for mobile music devices such as MP3 players and mobile phones. Let Clarion open your world to new entertainment options for your digital lifestyle.

Cutting edge style

Indirect lighting on the FB289RBT/FB288RBT makes each of the arched buttons appear to float on the face of the unit, adding to the mystique of the Metal Shark design. A mirror finish surrounds the bottom half of the illuminated rotary volume control adding to the stunning good looks of this feature packed product.



Clarion continues to push design and functionality with the FB289RBT and FB288RBT. With PC compatibility via the SD card slot, and a built-in Bluetooth receiver for wirelessly streaming digital audio, the FB289RBT/FB288RBT connects you like never before.

When style and technology merge, the end result is innovation.



Bluetooth®
FB289RBT
BLUETOOTH SD/MP3 RECEIVER



Bluetooth®
FB288RBT
BLUETOOTH SD/MP3 RECEIVER



- MP3 compatible with ID3-TAG display via SD slot
- Built-in Bluetooth wireless technology for hands-free / audio streaming and remote control
- 18 FM station presets
- RDS-EON tuner

- 4-channel x 50 watts of amplification
- Flip-down control panel
- 728-variable colour illuminated face panel
- Auxilliary input
- 2-channel audio pre-out
- External microphone included

The next-generation source unit

- Built-in Bluetooth audio streaming (A2DP & AVRCP)
- Built-in Bluetooth Hands-free (HFP)
- MP3 playback via SD card slot

Built-in Bluetooth® interface

Clarion is an industry leader in connectivity options for the mobile entertainment environment. Clarion now offers products such as the FB289RBT/ FB288RBT mechanism-less source units with built-in Bluetooth connectivity. This technology allows you to connect with today's most common devices, such as mobile phones, PDAs and MP3 Players via the unit's built-in wireless Bluetooth connection. Providing access to most popular Bluetooth profiles including A2DP, AVRCP and HFP, the FB289RBT/ FB288RBT will transfer your favourite digital music or mobile phone audio to your vehicle's audio system.



Connection and playback with no mechanical parts.

The next evolution in mobile audio is no moving parts. The FB289RBT/FB288RBT features an SD slot hiding behind the folding control panel. Simply copy your favourite music from your PC to an SD card, and you are ready to enjoy hours of music. You can also connect via Bluetooth enabled devices such as mobile telephones, PDAs and portable music players (with built-in Bluetooth hands free interface) for increased music options. The revolution is here and the name is Clarion.

Auxiliary input

The FB289RBT/FB288RBT includes an auxiliary RCA input which makes hooking up any wired audio source a snap. Full stereo sound is just a quick connection away.

728-variable colour illuminated design



DUZ388RMP

2-DIN CD/USB/MP3/WMA/AAC RECEIVER WITH CeNET CONTROL



- CD-R/RW ready • MP3, WMA and iTunes® AAC compatible with ID3-TAG display • Rear USB connector • WMDRM 10 playback via supported MTP device • 18 FM, 6 MW/LW station presets
- iPod® control via USB • Z-Enhancer Plus sound customisation • MAGNA BASS EX dynamic bass enhancement • 4-channel x 50 watts
- 728-variable colour display and illuminated keys
- High visibility 2-line display with Screensavers
- Rotary volume control • Phone mute • CeNET control of Bluetooth interface adaptor ready for hands-free calls and 6 disc CD Changer • Front AUX input • 4-channel audio pre-out • OEM steering wheel remote wired interface capability

USB equipped model enables a variety of digital collaboration



Remote control (Optional)



Rear USB connector compatible with WMDRM 10

The rear USB connector is compatible with the Windows Media Digital Rights Management (WMDRM) 10 format for audio, video, and other data. The connector allows you to link to a USB compatible device to play music files in WMDRM 10 format that were purchased and downloaded over the internet. See the Clarion website for portable audio players that can be connected.



Direct USB iPod® control

The best in iPod control, Clarion's Direct USB iPod control enables you to connect your iPod with the standard iPod USB connection cable that is supplied by Apple. No extra cables and no need for costly custom installation. Once again Clarion delivers the best in connectivity.

* To connect iPod, please use the USB cable attached to iPod. * Please see the Clarion website for iPod models that can be connected.



Bluetooth BLT583 (CeNET) ready

Bluetooth BLT583 (CeNET) ready with equipment using Clarion's CeNET connection. You can, for example, transfer address book data to the unit.

Theft prevention system with personal code

When the ignition is switched off, an LED lamp blinks to warn intruders. If the set for any reason is disconnected from the battery, the Multimedia Station cannot be reactivated without your PIN code.



Rotary volume control and large buttons



728-variable colour illumination



Front AUX input via 3.5mm mini jack connector with level adjustment



2V / 4ch RCA line out (Front 2ch + Rear 2ch)

Equipped with 4-channel line outputs, you can connect two front speakers with two outputs remaining for connection of up to two subwoofers or rear speakers.

Screensaver with message information

You can enter your own greeting up to 30 characters long that will be shown on the display when the unit is switched on and off. Also, the screensaver is displayed if the unit is left idle for a certain amount of time.

AAC playback

AAC is an abbreviation for Advanced Audio Coding, a next-generation compression format used by Apple. It boasts a high compression ratio 1.4 times that of MP3, while achieving very sound quality.

Z-Enhancer Plus (2-band P.EQ)

Z-Enhancer Plus enables you to select your ideal equalising pattern at will from the three types, B-BOOST, IMPACT, and EXCITE, according to the music genre or taste. Also, a 2-band parametric equaliser lets you flexibly set the gain, Q (steepness), and frequency of each of the equalising patterns to perform fine tuning of acoustic characteristics such as the adjustment of the power and responsiveness of each of the low, mid and high ranges. With this sound quality control function, the interior of your car will turn into a high-fidelity listening environment.

The DUB278RMP's AUX input and USB port on the front panel improves connectivity with your mobile gear. The USB slot allows non-stop playback of up to 15,000 songs. The metallic finished WXZ468RMP, an in-dash 6-disc changer, livens up your journey. With a music style for the digital age and a superior feeling that is a cut above the rest, these two new unique models will provide you with a new driving sensation.



Remote control



Front USB slot & AUX input



4 x 50 W MOS-FET power amplifier

MOS-FET amplification is the only way for Clarion's DUB278RMP to deliver 4-channel x 50 Watts of unyielding power output and superior linearity. Smaller and more efficient than conventional power supplies, this MOS-FET amplification circuit delivers power with less distortion and no switching noise. So crank it up or turn it down; the choice is yours.

DUB278RMP

2-DIN CD/USB/MP3/WMA RECEIVER



728-variable colour illumination

- CD-R/RW ready • MP3 and WMA compatible with ID3-TAG display • Front USB slot (supports max. 255 folders and max. 15,000 files in the folders) • 18 FM, 6 MW/LW station presets • RDS-EON tuner • Z-Enhancer sound customisation • MAGNA BASS EX dynamic bass enhancement • 4-channel x 50 watts of MOS-FET amplification • High visibility single line display with Screensavers • 728-variable colour display and illuminated keys • Front-panel audio input with level control • 4-channel audio pre-out • OEM Steering wheel remote wired interface capability

USB input for compressed digital audio

This source unit can handle 15,000 digital audio files. File names can be up to 28 characters long, and folder names can be up to 16 characters long.

Z-Enhancer changes the tonal balance

Want more bass, more treble, or more of both? No problem. Z-Enhancer has three pre-set equalisation curves to choose from and the amount of boost is adjustable.

Magna Bass EX for dynamic bass enhancement

Conventional loudness circuits boost bass frequencies around 100Hz, resulting in a muddy over-boosted sound which is unnatural. Magna-Bass EX focuses the bass boost at 50 Hz, adding warmth and richness to the sound. This 50Hz boost effectively extends the frequency response of smaller speakers, making your system sound larger and more capable. The result is dynamic bass performance that sounds real.



Remote control (Optional)

WXZ468RMP

2-DIN 6-DISC CD/MP3/WMA RECEIVER WITH CeNET CONTROL



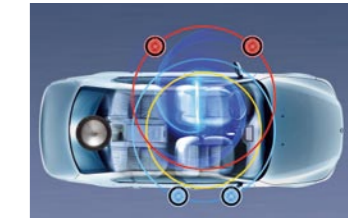
Built-in 6-disc CD changer & MP3/WMA file playback

- CD-R/RW ready • MP3 and WMA compatible with ID3-TAG display • VF display with 23-band Spectrum analyser and Screensavers • Listening Position Optimiser • 9-band graphic equaliser • 18 FM, 6 MW/LW station presets • RDS-EON tuner with variable bandwidth • 4-channel x 50 watts of MOS-FET amplification • CATS: Theft prevention system with personal code • CeNET control of: TV tuner, 6-disc CD changer and iPod • 4-channel audio pre-out • 2-channel AUX input with level control • OEM steering wheel remote wired interface capability • Mobile input and Phone mute • CeNET iPod interface compatible (EA1251E is required)



23-band spectrum analyser with 9-band graphic equaliser

The 9-band graphic equaliser offers detailed customisation of the frequency curve to adapt the sound character to the speakers used and the acoustic properties in the car. The spectrum analyser visually displays the subtle expressions and nuances of the music. It provides a detailed graphical portrayal of 23 different frequency bands with instantaneous display of current band levels of the music being played. Additionally, you can choose between nine types of graphic display patterns to match the music and your mood.



LPO (Listening Position Optimiser)

The WXZ468RMP's Listening Position Optimiser uses digital processing to virtually adjust the speaker distance, enabling sound stage settings that accommodate a wide variety of different vehicles. No matter what type of car you drive, you can count on Clarion to drive your sound with high precision and realistic presence.

Setting	Seat position					
	LPO 1 for compact car		LPO 2 for sedan		LPO 3 for estate car	
	R	L	R	L	R	L
Right Distance	10 cm	40 cm	10 cm	80 cm	10 cm	16 cm
Right Sample	52	13	13	104	13	208
Left Distance	10 cm	40 cm	80 cm	10 cm	160 cm	10 cm
Left Sample	13	52	104	13	208	13

For more detailed information concerning installation possibilities, please refer to the CIP (Clarion Installer Programme) on page 32-33



The CIP — Clarion Installer Programme offers the most professional fitting accessories to connect your Clarion device simply and safely to more than 200 different car models.

www.clarion.com/cip

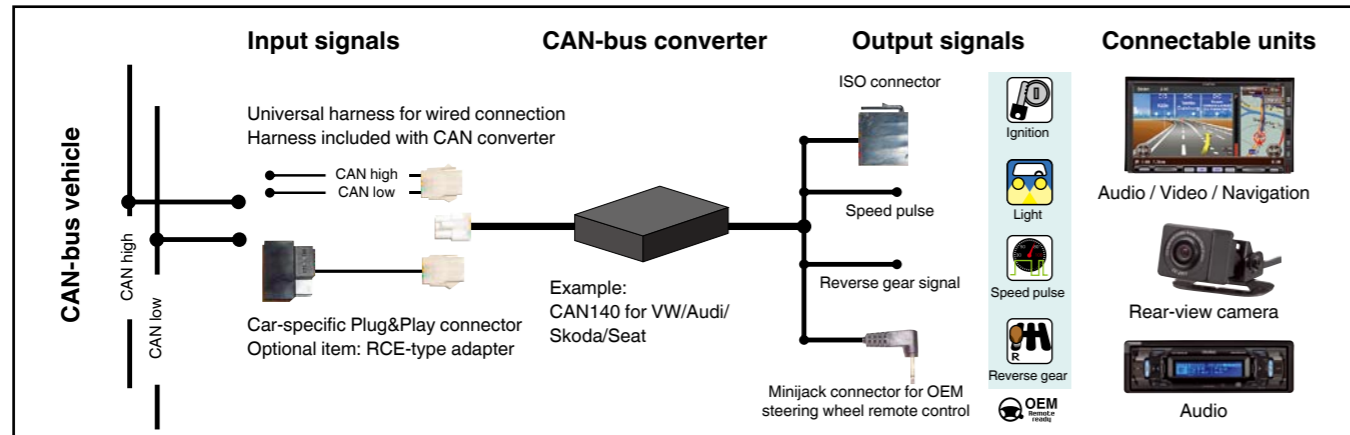
Please visit www.clarion.com/cip to see the latest range of professional Clarion installation accessories online.

CAN-bus converter

New cars increasingly rely on proprietary data bus techniques that are not compatible with commercial audio products. Clarion's development division specialises in finding solutions to adapt such digital communications system with our line of products. Our CAN converter interfaces can customise CAN-bus equipped cars with a superior Clarion audio system.



System example

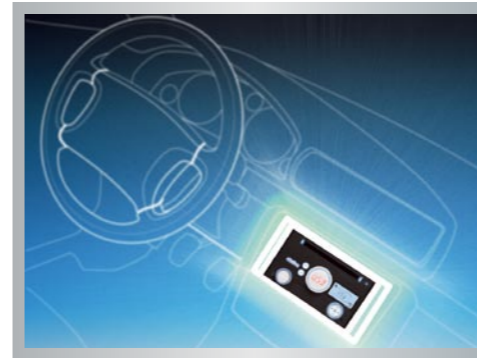


Upgrade your CAN-equipped car with the latest navigation technologies from Clarion by installing a compatible CAN-converter to handle all the required signals or simply to enable enhanced use of Clarion multimedia products with the convenient steering wheel controls in your car.

To see which cars are supported for converting digital CAN data into analogue signals, please refer to our website at www.clarion.com/cip.

2-DIN installation bracket

More than 60% of all new vehicles sold in Europe offer a larger installation space for car entertainment products in the dashboard than the standard 1-DIN size. The use of 2-DIN units gives the customer the advantage of more advanced features and added functionality in a single source unit. In order to offer professional fitting and seamless integration of Clarion components in a 2-DIN spaced slot, Clarion has developed a wide range of car-specific mounting brackets. To help the installer, all brackets are supplied with detailed mounting instructions and diagrams for each car. All fixing materials are included with each bracket.



To see which car models are ready for a 2-DIN Clarion main unit, please refer to our website at www.clarion.com/cip

OEM steering wheel remote control

More and more cars are sold with original car radios that can be operated from convenient controls on the steering wheel. Clarion has introduced a series of interfaces that allow connection of Clarion products to the steering wheel controls in your car. This way, you get the best of both worlds: continued use of the handy steering wheel controls and a top-performing Clarion system in your car.



● Adaptor with wire connection

Compatible with all Clarion models with minijack steering wheel remote control input.



● Adaptor with infrared connection

Compatible with all previous Clarion models with infrared sensor.



To see which car models can control a Clarion main unit from the steering wheel, please refer to our website at www.clarion.com/cip