

Pioneer

CAR ENTERTAINMENT  
AUDIO & AV **2013**



# APPADIO MODE & MIXTRAX



## A Revolutionary Way to Use Apps in the Car

AppRadio Mode allows compatible application on an Android Platform and the latest iPhone models and operating systems (including iPhone5 and IOS6) to be viewed and controlled directly from the receiver's touchscreen display.



AVH-X8550BT AVH-X5550BT AVH-X4550DVD  
AVH-X2550BT AVH-X1550DVD



Like a smartphone, the AV receiver touch panel can be swiped, flicked or tapped for intuitive app control.

## How to Use AppRadio Mode

**Step 1**

Install the AppRadio app and other 3rd party apps to your iPhone/Android\*

\*Available for compatible models

**Step 2**

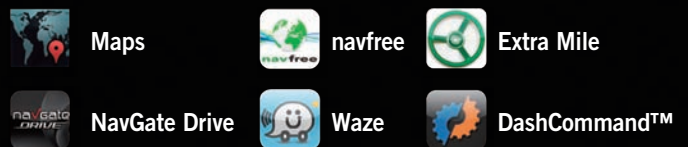
After booting the app, connect your iPhone/Android\* to the receiver using the AppRadio Mode compatible cable. Pressing the "MODE" button lets you change to the AppRadio Mode Home display screen.

**Step 3**

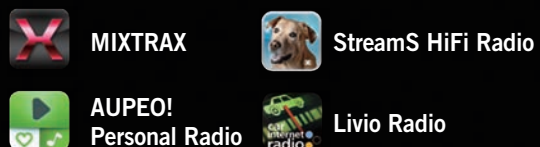
Through the display of the AVH-X8550BT, you can fully control apps compatible with AppRadio Mode, such as Maps™.

## COMPATIBLE APPS

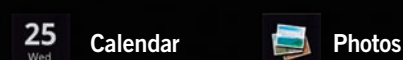
### Navigation/Travel



### Music



### Utility



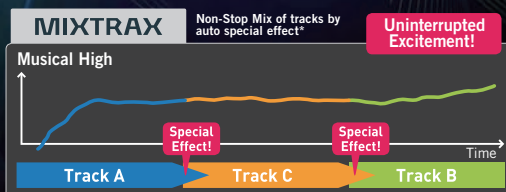
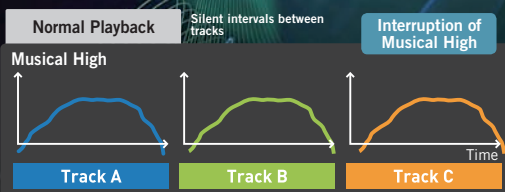
More information is available on [www.appradiomode.com](http://www.appradiomode.com)



# MIXTRAX

Your TRAX. Your MIX.

Innovative Pioneer technology that creates a Non-Stop MIX with a range of DJ-inspired effects.



\* Depending on the file/song, sound effects may not be enabled for adding.

## MIXTRAX Benefit

Pioneer presents the magic of MIXTRAX - delivering the Non-Stop MIX experience at home or on the go with technology based on Pioneer's history of innovative professional DJ product development.

## How MIXTRAX Works



## MIXTRAX, MIXTRAX App, and MIXTRAX EZ Comparison

	Advantage	MIXTRAX Software	Compatible Source
<b>MIXTRAX</b>	Full-featured Non-Stop Mix Play*1	Compatible	USB Device SD Memory Card
<b>MIXTRAX App</b>	Quick and Easy, Non-Stop Mix Play	*2	iPhone, iPod touch
<b>MIXTRAX EZ</b>	Quick and Easy Mix Play	—	USB Device SD Memory Card iPod, iPhone

\*1. Requires music analysis by MIXTRAX Software from Pioneer (free download).

\*2. Creates playlists using data from the MIXTRAX cloud server.

### • MIXTRAX EZ for Quick Non-Stop MIX Play

Tracks are joined by various random sound effects in Non-Stop MIX play, and you can experience the intimate euphoria of listening to music that sounds as if club DJ is there playing it.

### • Short Playback Mode

You can choose length of playback (60, 90, 120, 150, 180 sec., random, or off) to shorten track selections and speed up switching to following tracks in the mix.

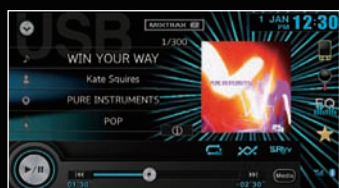
## AV RECEIVERS

AVH-X8550BT AVH-X5550BT AVH-X4550DVD AVH-X2550BT AVH-X1550DVD

### • Selectable Sound Effect



### • Display Visualizer



## AUDIO RECEIVERS

Sound Level Indicator DEH-X9550BT DEH-X9550SD DEH-X7550SD

Sound Level Indicator displays sound levels as visualized waveforms as a DJ mixer does.

### Flashing Color\*

Livens up the cabin with light pulsing to the beat of the music.

\* Can be switched on or off as desired.

DEH-X9550BT DEH-X9550SD DEH-X7550SD  
DEH-X3550UI FH-X755BT FH-X555UI



See the MIXTRAX global official website and Facebook page:

Introducing MIXTRAX-related product information, Video, Demo Sound and other content  
<http://www.mixtrax-global.com> <http://www.facebook.com/mixtrax/>

**FLASHING  
COLOR**







### AVH-X2550BT • AVH-X1550DVD

In-Dash Double-DIN DVD Multimedia AV Receiver with 6.1" VGA Touch Display, MIXTRAX, Built-in Bluetooth® and USB Direct Control for iPod/iPhone.



Note: Bluetooth Wireless Technology for AVH-X2550BT

### AVH-P5350DVD

In-Dash DVD Multimedia AV Receiver with 7" Widescreen Touch Display, SD Memory Card Slot, and USB Direct Control for iPod/iPhone



Note: Bluetooth Adapter Ready

### AVH-P4450BT • AVH-P3450DVD

In-Dash Double-DIN DVD Multimedia AV Receiver with 7" Widescreen Touch Display, Built-in Bluetooth® and USB Direct Control for iPod/iPhone



Note: Bluetooth Wireless Technology for AVH-P4450BT  
Bluetooth Adapter Ready for AVH-P3450DVD



### AVH-2450BT • AVH-1450DVD

In-Dash Double-DIN DVD Multimedia AV Receiver with 5.8" Widescreen Touch Display, Built-in Bluetooth® and USB Direct Control for iPod/iPhone



Note: Bluetooth Wireless Technology for AVH-2450BT



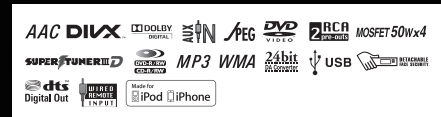
### DVH-345UB

DVD Receiver with front USB Port and front AUX-In



### DVH-P435UB

DVD Receiver with front USB Port and front AUX-In



	AVH-X8550BT	AVH-X550BT	AVH-X4550DVD	AVH-X2550BT	AVH-X1550DVD	AVH-P5350DVD	AVH-P4450BT	AVH-P3450DVD	AVH-2450BT	AVH-1450DVD	DVH-345UB	DVH-P435UB
<b>Audio Section</b>												
Built-in Amplifier	MOSFET 50 W x 4	MOSFET 50 W x 4	MOSFET 50 W x 4	MOSFET 50 W x 4	MOSFET 50 W x 4	MOSFET 50 W x 4	MOSFET 50 W x 4	MOSFET 50 W x 4	MOSFET 50 W x 4	MOSFET 50 W x 4	MOSFET 50 W x 4	MOSFET 50 W x 4
Hi-Volt RCA Preouts	3 (4 V)	3 (4 V)	3 (4 V)									
RCA Preouts				3 (2 V)	3 (2 V)	3 (4 V)	3 (4 V)	3 (4 V)			2 (2 V)	2 (2 V)
Optical Out												
D/A Converter	96 kHz/24-bit	96 kHz/24-bit	96 kHz/24-bit	96 kHz/24-bit	96 kHz/24-bit	96 kHz/24-bit	96 kHz/24-bit	96 kHz/24-bit	96 kHz/24-bit	96 kHz/24-bit	96 kHz/24-bit	96 kHz/24-bit
Auto EQ (CD-MC20 Required)												
Sonic Center Control												
Equalizer	8-Band Graphic	8-Band Graphic	8-Band Graphic	8-Band Graphic	8-Band Graphic	8-Band Graphic	8-Band Graphic	8-Band Graphic	8-Band Graphic	8-Band Graphic	Bass/Mid/Treble	Bass/Mid/Treble
Crossover Network	HPF/LPF	HPF/LPF	HPF/LPF	HPF/LPF	HPF/LPF	HPF/LPF	HPF/LPF	HPF/LPF	HPF/LPF	HPF/LPF	LPF	LPF
Advanced Sound Retriever												
Subwoofer Control												
<b>MIXTRAX Section</b>												
MIXTRAX <sup>®8</sup>												
MIXTRAX EZ <sup>®9</sup>												
Display Visualizer												
Album Jacket Dance												
<b>General</b>												
IP Bus												
Android Port												
Pioneer TV Tuner Ready <sup>10</sup> (GEX-1550DTV/GEX-1550TV)												
Multi-Channel Processor Ready (DEQ-P7650/DEQ-P6600)												
Source DVD Control (XDV-P650/XDV-P6)	External					External	External	External	External			External
Rear-View Camera Input <sup>11</sup>												
Composite AV Input	1 (Audio/Video)	1 (Audio/Video)	1 (Audio/Video)	1 (Audio/Video)	1 (Audio/Video)	1 (Audio/Video)	1 (Audio/Video)	1 (Audio/Video)	1 (Audio/Video)	1 (Audio/Video)	1 (Audio)	1 (Audio/Video)
Composite Video Output	1	1	1	1	1	1	1	1	1	1	1	1
RGB Input												
Dual Zone Audio/Video												
Color Customization	5-Display Colors 112-Key Colors	5-Display Colors 112-Key Colors	5-Display Colors 112-Key Colors	5-Display Colors 112-Key Colors	5-Display Colors 112-Key Colors	5-Display Colors 112-Key Colors	5-Display Colors 112-Key Colors	5-Display Colors 112-Key Colors	5-Display Colors 112-Key Colors	5-Display Colors 112-Key Colors	5-Display Colors 112-Key Colors	5-Display Colors 112-Key Colors
Display Off Mode												
JPEG Slide Show <sup>12</sup>												
Multi-Language Display	Menu/ID3 Tag	Menu/ID3 Tag <sup>13</sup>	Menu/ID3 Tag <sup>13</sup>	Menu/ID3 Tag <sup>13</sup>	Menu/ID3 Tag <sup>13</sup>	Menu/ID3 Tag <sup>13</sup>	Menu/ID3 Tag <sup>13</sup>	Menu/ID3 Tag <sup>13</sup>	Menu/ID3 Tag <sup>13</sup>	Menu/ID3 Tag <sup>13</sup>	Menu/ID3 Tag <sup>13</sup>	Menu/ID3 Tag <sup>13</sup>
Rotary Volume Control												
Wired Remote Input												
Remote Control												
Detachable Face Security <sup>14</sup>												

\*1 HFP = Hands-Free Profile, A2DP = Advanced Audio Distribution Profile, AVRCP = Audio/Video Remote Control Profile (version 1.3), SSP = Secure Simple Profile, SPP = Serial Port Profile. Please refer to instruction manual for other information about profile compatibility. \*2 Optional cable required. \*3 Optional cable CD-IU201S/CD-IH202/CD-IV202AV/CD-AH200 required when App Mode is in use. \*4 Pioneer cannot guarantee compatibility with all USB mass storage devices and assumes no responsibility for any loss of data on media players, smart phones, or other devices while using receiver. \*5 Please use CD-U50E USB extension cable if a direct connection causes a USB Device to protrude from the receiver in a way that can interfere with driving. \*6 Compatible with WMA playback. \*7 MPEG-1/2 files stored in a USB Device or SD Memory Card can't be played. \*8 Compatible with full-featured Non-Stop Mix Play based on data from music analysis performed using MIXTRAX software. Compatible sources: USB Device and SD Memory Card. \*9 Quick, easy, accessible Non-Stop Mix Play without music analysis data from MIXTRAX software. Compatible sources: iPod, iPhone, USB Device and SD Memory Card. \*10 Respective cables for Pioneer TV Tuner and AppRadio Mode connection cannot be simultaneously connected to AV receiver. \*11 Use input only for reverse or mirror image rear view camera. Other use may result in injury or damage. \*12 JPEG files are displayed automatically as a slideshow. \*13 Usable language differs according to region.







### DEH-2550UI

Audio Receiver USB Direct Control for iPod/iPhone, and Front USB Port



### DEH-1550UB

Audio Receiver with Front USB Port



### DEH-155MP

Audio Receiver with MP3 Playback, Remote Control and Front AUX-In



### MVH-155UI

Multimedia Audio Receiver with USB Direct Control for iPod/iPhone



### FH-X755BT

Double-DIN Audio Receiver with MIXTRAX, Bluetooth® Hands-Free Calling/Wireless Audio, and USB Direct Control for iPod/iPhone



### FH-X555UI

Double-DIN Audio Receiver with MIXTRAX and USB Direct Control for iPod/iPhone



	DEH-X9550BT	DEH-X9550SD	DEH-X7550SD	DEH-X3550UI	DEH-2550UI	DEH-1550UB	DEH-155MP	MVH-155UI	FH-X755BT	FH-X555UI
<b>Audio Section</b>										
Bass Boost	•	•	•	•	•	•	•	•	•	•
Subwoofer Control	•	•	•	•	•	•	•	•	•	•
Loudness	3-Mode	3-Mode	3-Mode	3-Mode	3-Mode	3-Mode	3-Mode	3-Mode	3-Mode	3-Mode
Selectable Fader	•	•	•	•	•	•	•	•	•	•
<b>MIXTRAX Section</b>										
MIXTRAX EZ	•	•	•	•	•	•	•	•	•	•
Compatible Source	iPod/SD/USB	iPod/SD/USB	iPod/SD/USB	iPod/USB					iPod/USB	iPod/USB
Flashing Color	•	•	•	•	•	•	•	•	•	•
Short Playback Mode	•	•	•	•	•	•	•	•	•	•
Sound Level Indicator	•	•	•	•	•	•	•	•	•	•
<b>General</b>										
Color Customization	210,000 Colors (Separated)**	210,000 Colors (Separated)**	210,000 Colors (Separated)**	210,000 Colors (Separated)**					210,000 Colors (Separated)**	210,000 Colors (Separated)**
Display with LED Backlight	Full Dot LCD (3-Line)	Full Dot LCD (3-Line)	Full Dot LCD (3-Line)	VA LCD (2-Line)	LCD (1-Line)	LCD (1-Line)	LCD (1-Line)	LCD (1-Line)	VA LCD (2-Line)	VA LCD (2-Line)
Display Off Mode	•	•	•	•	•	•	•	•	•	•
Dimmer Control	•	•	•	•	•	•	•	•	•	•
Multi-Language Display (English, Spanish, Portuguese)	•	•	•	•	•	•	•	•	•	•
Spectrum Analyzer	•	•	•	•	•	•	•	•	•	•
Level Indicator	•	•	•	•	•	•	•	•	•	•
Lever Key	•	•	•	•	•	•	•	•	•	•
Rotary Volume Control	•	•	•	•	•	•	•	•	•	•
Wired Remote Input	•	•	•	•	•	•	•	•	•	•
Remote Control	•	•	•	•	•	•	•	•	•	•
Cellular Mute	•	•	•	•	•	•	•	•	•	•
Anti-Dust Design	•	•	•	•	•	•	•	•	•	•
Flap Face	•	•	•	•	•	•	•	•	•	•
Detachable Face Security™	•	•	•	•	•	•	•	•	•	•

\*1 HFP = Hands-Free Profile, A2DP = Advanced Audio Distribution Profile, AVRCP = Audio/Video Remote Control Profile (version 1.3), SSP = Secure Simple Profile, SPP = Serial Port Profile. Please refer to instruction manual for other information about profile compatibility. \*2 Operations of certain applications may be limited only when an iPhone or iPod touch is connected. \*3 App Source: App Source boots up as a music source for quicker access to iPod and iPhone app control. \*4 Please refer to local branches or distributors of Pioneer regarding the latest information about Android available in particular regions. \*5 Pioneer cannot guarantee compatibility with all USB mass storage devices and assumes no responsibility for any loss of data on media players, smart phones, or other devices while using receiver. \*6 Please use CD-U50E USB extension cable if a direct connection causes a USB Device to protrude from the receiver in a way that can interfere with driving. \*7 iTunes AAC Playback: AAC player can decode only AAC files ripped and encoded using iTunes; they cannot decode AAC DRM files downloaded from iTunes music store. \*8 AAC: AAC is a short for Advanced Audio Coding and refers to audio compression technology standard used with MPEG-4. \*9 Colors for key illumination and display are separately adjustable.

# AMPLIFIERS

GM-D8604



Class FD Variable LPF Variable HPF RCA IN/OUT  
SPEAKER INPUT Bass Boost Remote 1ohm

## CLASS-D POWER AMPLIFIERS

Pioneer's new extra-efficient Class-D digital amplifiers mark a dramatic improvement in power output capability, yet are much smaller than Conventional models amplifiers. That makes them more versatile in terms of installation as well as performance.

## Champion series

More Impact Made More Compact



**Slimmed down 50%\***

\* Measured by cubic volume.

GM-D8604

Model	Rated Power (4Ω)	Rated Power (2Ω)	Rated Power Bridge (4Ω)	Max. Power	Amplifier Type	Dimension (W x H x D) (mm)
GM-D9601	1000W x 1	1,600W x 1	-	2,400W	Class D	315 x 60 x 200
GM-D8604	200W x 4	300W x 4	600W x 2	1,200W	Class FD	265 x 60 x 200
GM-D8601	600W x 1	1,000W x 1	-	1,600W	Class D	265 x 60 x 200
GM-6500F	190W x 4	-	380W x 2	760W	Class AB	289 x 62 x 349
GM-5500T	410W x 2	-	820W x 1	820W	Class AB	289 x 62 x 349
GM-3500T	200W x 2	-	400W x 1	400W	Class AB	289 x 62 x 219



GM-6500F

Variable LPF Variable HPF RCA INPUT SPEAKER INPUT

# SUBWOOFERS

## Champion series



TS-W310D4

## CONVENTIONAL TYPE SUBWOOFER

INJECTION MOLDED CONE 3D HOLOGRAM

Model	Size	Max. Power	Voice Coil Type
TS-W310D4	12"	1,400W	4Ω Dual
TS-W310S4	12"	1,400W	4Ω Single
TS-W310	12"	1,000W	4Ω Single

## SHALLOW TYPE SUBWOOFER

AIR SUSPENSION INJECTION MOLDED CONE ib-FLAT

Model	Size	Max. Power	Voice Coil Type
TS-SW3001S4	12"	1,500W	4Ω Single
TS-SW3001S2	12"	1,500W	4Ω Single
TS-SW2501S4	12"	1,200W	4Ω Single



EISA Best Product 2010-2011 IN-CAR SUBWOOFER Pioneer TS-SW3001

TS-SW3001S4

TS-SWX310



## SUBWOOFER IN-BOX

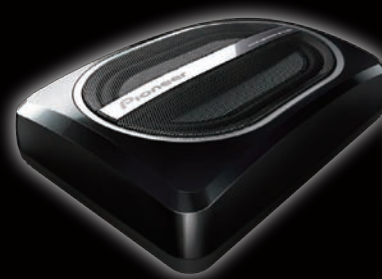
AIR SUSPENSION INJECTION MOLDED CONE

Model	Size	Max. Power	Voice Coil Type
TS-SWX310	12"	1,000W	4Ω Single
TS-WX303	12"	1,200W	4Ω Single

## ACTIVE SUBWOOFER

INJECTION MOLDED CONE

Model	Size	Max. Power
TS-WX206A	20cm	150W
TS-WX110A	13cm x 21cm	150W
TS-WX210A	20cm	150W
TS-WX610A	2 x 10cm	100W x 2
TS-WX77A	16cm x 2	200W



TS-WX110A



# SPEAKERS

## TS-D SERIES (COMPONENT SET)

### Pioneer's Sound Concept: Open & Smooth

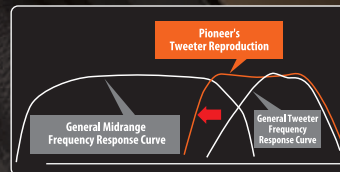
The "Open & Smooth" sound of Pioneer's industry-leading speakers delivers both sonic excellence and performance. The open-staging and smooth transition of driver response makes for an immersive experience that is truly the ultimate in-car sound.



### Low Crossover Frequency

#### WIDER RESPONSE, LOWER CROSSOVER POINT

Pioneer extends tweeter performance to much lower frequencies, creating fuller midrange fidelity and clear, accurate vocals.



### Low Distortion

Pioneer speaker innovations to suppress distortion include revolutionary rigid yet lightweight IMPP cones that significantly reduce mid-to-low range distortion and reproduce sound staging to natural effect.



TS-D1720C

Model	Size	Type	Crossover	Max. Power	Impedance
TS-D1720C	17cm	Component Set	Outboard	260W	4Ω

## TS-A SERIES (COMPONENT SET)



Model	Size	Type	Crossover	Max. Power	Impedance
TS-A1605C	16cm	Component Set	Outboard	350W	4Ω



TS-A1605C

## TS-A SERIES (COAXIAL)



Model	Size	Type	Crossover	Max. Power	Impedance
TS-A6995S	6" x 9"	5-Way Coaxial	-	600W	4Ω
TS-A6985S	6" x 9"	4-Way Coaxial	-	550W	4Ω
TS-A6975S	6" x 9"	3-Way Coaxial	-	500W	4Ω
TS-A6965S	6" x 9"	3-Way Coaxial	-	400W	4Ω
TS-A1685S	16cm	4-Way Coaxial	-	350W	4Ω
TS-A1675S	16cm	3-Way Coaxial	-	300W	4Ω



TS-A6995S

## TS-G SERIES



Model	Size	Type	Crossover	Max. Power	Impedance
TS-G1644R	16cm	2-Way Coaxial	-	250W	4Ω
TS-G1344R	13cm	2-Way Coaxial	-	220W	4Ω
TS-G1044R	10cm	2-Way Coaxial	-	200W	4Ω



TS-G1644R

# The Best Solutions To Enjoy iPhone & Android

## Connection Table for iPhone with Pioneer Receivers



: Plays audio  
 : Plays audio and video

Model	Interface	Use with	iPhone (*1)			
			iPhone	iPhone 3G/3GS	iPhone 4/4S	iPhone 5
AVH-X8550BT	USB Direct Connection for Video, Music and AppRadio Mode	CD-IH202 <sup>*2</sup>				
	USB Direct Connection for Video, Music and AppRadio Mode	CD-IV202AV <sup>*2</sup>				
AVH-X8550BT AVH-X5550BT AVH-X4550DVD	USB Direct Connection for Video, Music and AppRadio Mode	CD-IU201S <sup>*2</sup>				
	USB Direct Connection for Video and Music	CD-IU201V				
	USB Direct Connection for Music	CD-IU52				
AVH-X2550BT AVH-X1550DVD	USB Direct Connection for Video, Music and AppRadio Mode	CD-IU201S <sup>*2</sup>				
	USB Direct Connection for Video and Music	CD-IU201V CD-IU51V				
	USB Direct Connection for Music	CD-IU52				
AVH-P5350DVD	USB Direct Connection for Video and Music	CD-IU201V CD-IU51V				
	USB Direct Connection for Music	CD-IU52				
	AUX	3.5mm Aux Cable				
DVH-345UB	AUX	3.5mm Aux Cable				
DEH-X9550BT DEH-X9550SD DEH-X7550SD DEH-X3550UI DEH-2550UI MVH-155UI FH-X755BT/FH-X555UI	USB Direct Connection for Music	CD-IU51				
	USB Direct Connection for Music	CD-IU52				
DEH-15550UB DEH-155MP	AUX	3.5mm Aux Cable				

- Operations may vary depending on the software version of iPod.
  - Depending on the generation or version of the iPod, some functions cannot be operated.
  - Please contact Pioneer Support Center for more details regarding connection.
- \*1. When an error occurs in connection with iPod/iPhone, switching ACC ON/OFF or reloading the iPod may help recovery.  
 \*2. When AppRadio Mode is in use. AppRadio Mode is available from iTunes App Store. Please use in 3G or Wi-Fi connection situations. AppRadio App & Compatible Apps may not be available in some countries.  
 \*3. App Mode Available. You can enjoy video and music using apps installed in iPhone and iPod touch. In App Mode, operability of app on receiver's display is limited. Pioneer Receiver can play audio/video content from an iPod touch or iPhone with an app that outputs audio/video signals. Not every app, however, is compatible with App Mode.  
 \*4. Not compatible with iPhone 4S.

## Connection Table for Android Devices with Pioneer Receivers



Model	Connection via		
	Smartphone Compatible CarMediaPlayer App with Bluetooth® Wireless Connection*1	Bluetooth®	AUX
AVH-X8550BT/AVH-X5550BT/AVH-X2550BT			
AVH-X4550DVD/AVH-X1550DVD/AVH-P5350DVD/ DVH-345UB			
DEH-X9550BT/DEH-X8550BT			
FH-X755BT			
DEH-X9550SD/DEH-X7550SD/DEH-X3550UI/DEH-2550UI/ DEH-1550UB/DEH-155MP/MVH-155UI/FH-X555UI			




\*1. Data is transmitted via SPP (Serial Port Profile). Audio is transmitted via A2DP (Advanced Audio Distribution Profile).  
 \*2. Audio is transmitted via A2DP (Advanced Audio Distribution Profile). Audio is controlled via AVRCP (Audio/Video Remote Control Profile) and limited accordingly.



# SPECIFICATIONS

## Symbols for Special Features

### Display













	Touch Panel Screen
<b>7.0W</b>	7.0-inch Wide Screen
<b>6.1W</b>	6.1-inch Wide Screen
<b>3.5W</b>	3.5-inch Wide Screen
<b>3.0W</b>	3.0-inch Wide Screen
<b>VGA</b>	VGA Display
	OEL Display
	LED Backlight
<b>FULL DOT LCD</b>	Full Dot LCD Display
<b>VA LCD</b>	VA LCD Display
<b>MULTI-LANGUAGE DISPLAY</b>	Multi-Language Display

### Media & Format










	DVD Video Compatible
	DVD-R/RW Compatible
	CD-R/RW Compatible
<b>MP3</b>	MP3 (MPEG Audio Layer-3)
<b>WMA</b>	WMA (Windows Media™ Audio)
<b>AAC</b>	iTunes AAC (Advanced Audio Coding)
<b>JPEG</b>	Jpeg Image Viewer
<b>DIVX</b>	DivX Digital Media
	Dolby® Digital Decoder

### Connectivity








Made for 	Made for iPod and iPhone Products
---	-----------------------------------

	Smartphone powered by Android Compatible
	AppRadio Mode
	Built-in Bluetooth®
	Bluetooth Adapter Ready
	Voice Control
	SD/SDHC Memory Card Compatible
	AUX-In Connectivity (mini-jack)
	USB Direct Connection
	Dual USB Ports
	1A High Current USB
	Back Up Camera Ready
	Pioneer TV Tuner Ready












### Audio

<b>MIXTRAX</b>	MIXTRAX
<b>MIXTRAX EZ</b>	MIXTRAX EZ
<b>Hi-VOLT</b>	Hi-Volt Preout
	RCA Preout
	Subwoofer Control
	24-Bit DA Converter
	Auto EQ
	Sonic Center Control
	Dual Zone Audio/Video
	Supertuner® III D
<b>RDS</b>	Radio Data System
	Shortwave Tuner
<b>MOSFET 50Wx4</b>	MOSFET 50W x 4
<b>DSP</b>	Digital Signal Processor
	Specialized Audio Parts

### Amplifier

	Variable High Pass Filter
	Variable Low Pass Filter
	High Pass Filter
	Low Pass Filter
	RCA Input/Output
	RCA Input
	Speaker Level Inputs
<b>Bass Boost</b>	Bass Boost
<b>Bass Boost Remote</b>	Bass Boost Remote
<b>Class FD</b>	Class FD
<b>1ohm</b>	1 Ohm Load Impedance

### General

	Music Browser (please refer to page 33 for details)
	Detachable Face Security™ (DFS)
	Auto Flap Face
	Flap Face
	Color Customization
	Separated Color Customization
	Flashing Color
	Lever Key
	Rotary Commander
	Wired Remote Input
	Anti-Dust Design

### Subwoofer & Speaker

	Open & Smooth Sound Concept (please refer to page 70 for details)
	ib-FLAT Subwoofer (please refer to page 59 for details)
	Air Suspension System (please refer to page 67 for details)
	Multilayer Mica Matrix Cone (please refer to page 80 for details)
	IMPP (Injection-Molded Polypropylene) Composite Cone (please refer to page 76 for details)
	KEVLAR® Brand Fiber
	Pioneer 3D Hologram Sticker Attached to Product Packaging Carton (please refer to pages 58 and 70 for details)

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