

XAV-712HD

Smartphone connected 7" AV Receiver

Enjoy HD Radio™¹¹, control select smartphone features and apps directly from your car stereo receiver using MirrorLink™ technology⁷, or use the new App Remote™ feature⁹ for 2-way control of apps and voice control with your smartphone¹⁰. Elevate your mobile experience with Hi-Res content connectivity using the built-in HDMI & MHL inputs¹², Bluetooth® technology⁵, SiriusXM™ compatibility⁴, Pandora® app control⁶, dual USB inputs² and CD/DVD playback¹.



Bullets

- Double DIN 7" WVGA Touch Screen Display
- MirrorLink™ enabled smartphone connectivity⁷
- App Remote™ with voice control¹⁰ for select smartphones
- Integrated Bluetooth® with Simple Secure Pairing⁵
- Playback Hi-Resolution content w/HDMI® & MHL™ inputs¹²
- Integrated HD Radio™ tuner¹¹ w/RDS & iTunes® Tagging
- Dual rear USB inputs for iPod®/iPhone®³ & USB devices²
- Pandora® internet radio control⁶
- TomTom® Navigation direct control (optional XA-NV300T)
- 5V front, rear and sub pre-amp out with HPF/LPF
- Firmware upgradable through the USB input
- 3 year warranty
- Passenger App Control for iPod^{®3} and iPhone^{®3}
- iPod®/iPhone® audio/video playback³
- Advanced user interface with 3D screen visualizers
- DVD/CD and multiple digital file¹ playback
- SiriusXM™ satellite radio connector ready⁴
- Dynamic Color Illuminator®
- ZAPPIN® music search feature
- Advanced Sound Engine with EQ7, iTA, CSO and RBE
- Dynamic Reality Amp with 52 Watts x 4 High Power
- Zone x Zone source output for rear seat entertainment
- 2 rear AV inputs and rear camera input
- SensMe® app creates music channels for your mood
- External Hands Free mic included
- Convenient wireless remote (RM-X271)
- Steering wheel remote control input ready⁸

Features

7" Touch Screen Display

The high-resolution TFT (WVGA) 7" touch screen display will inform and entertain you. Gesture command and on-screen touch buttons make everything easier to control and separate audio and video power supply circuits provide added clarity.

MirrorLink™ smartphone connectivity⁷

MirrorLink™ technology⁷ offers seamless connectivity between MirrorLink enabled smartphones and your XAV-712HD receiver. The technology is extremely simple to use: approved applications, content and controls are mirrored from the smartphone onto the receiver.

Easily access select smartphone apps⁹

The updated App Remote™ combines music & apps⁹ into a single source list, displayed & controlled from your receiver. Content is displayed on your smartphone while audio plays through your speakers. You can control sound settings directly from your phone. For Android™ users, App Remote can also be voice controlled¹⁰ and read or respond to texts.

Integrated Bluetooth® technology⁵

Easily take calls and stream audio with the XAV-712HD receiver featuring Bluetooth® technology⁵. Simultaneously connect up to two compatible devices and choose between hands free phone access, phonebook access, Pandora® internet radio control⁶ or audio streaming.

Hi-Definition smartphone playback¹²

Enjoy Hi-Definition content with built-in HDMI®/MHL™ input & your compatible smartphone¹². Simply connect the included cable between your device & the XAV-712HD's rear input. Control playback directly from the device while content is displayed on the receivers screen. MHL connections will even charge your device through the single cable.

Integrated HD Radio™ Tuner¹¹

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The integrated HD Radio™ tuner¹¹ receives compatible AM and FM radio stations signals in digital format for improved sound quality while providing metadata information and iTunes® Music Tagging so that you can find the songs you like later.

Dual rear USB 1-Wire Inputs²

Connect, control and charge your Walkman®, iPod^{®3}, iPhone^{®3} or other compatible USB devices² while accessing your digital music files using the USB inputs. The convenient, dual rear inputs provide selectable charging rates of 1 amp (standard) or 1.5 amps (Hi-current). You can also view metadata like song title and artist on the front display.

Pandora® Internet Radio Control⁶

Pandora® is the leading internet radio service, giving people music they love anytime, anywhere, through personalized radio stations. The XAV-712HD provides complete access to your Pandora account using your iPhone®, Android™ or Blackberry® phones⁶.

Optional TomTom® navigation control

Connect the optional XA-NV300T TomTom® navigation system and you'll have continuous access to TomTom's intuitive user interface and world-class mapping technologies, including IQ Routes, the worlds biggest real travel time database. You'll never worry about network connections or data costs because the system works independent of your phone.

5V RCA outputs for system expansion

When you're ready to expand your system, the XAV-712HD delivers a robust 5 volts to front, rear and subwoofer RCA pre-amp outputs for external amplifiers. The adjustable subwoofer level control also lets you dial in the bass when you're ready to pump it up.

Firmware upgradable with USB input

Easily upgrade the XAV-712HD's firmware. Use a PC to download updates from Sony® support to a flash drive and load them on your receiver via the USB input.

3 year warranty

The XAV-712HD includes a comprehensive 3 year warranty.

Passenger App Control³

Connect your compatible iPhone® or iPod® Touch via the optional RC-202IPV cable to display compatible app content on the XAV-712HD receiver's display and control the app directly from your iPhone or iPod Touch with Passenger App Control³.

iPod® and iPhone® content playback³

Select between 2D or 3D icons and screen visualizers and enjoy fast touch screen response when selecting sources, transitioning between menu screens and searching through your USB music content.

Advanced Response User Interface

Select between 2D or 3D icons and screen visualizers and enjoy fast touch screen response when selecting sources, transitioning between menu screens and searching through your USB music content.

Plays DVDs/CDs and digital files¹

Multi-format playback¹ lets you play most MP3, WMA, AAC music files, JPEG's or MP4 videos.

SiriusXM™ Satellite radio ready⁴

The on-board SiriusXM™ connector⁴ simplifies satellite radio installation by eliminating compatibility issues and providing direct connection to the new platform of tuners.

Variable Color Illumination

Match your radio's button illumination with over 35,000 colors to complement your existing vehicle lighting components with the Dynamic Color Illuminator®.

Intuitive ZAPPIN® search feature

Use the ZAPPIN® feature can play 6, 15, or 30 second intro clips to help you find a specific song.

Custom sound settings with EQ7

The Advanced Sound Engine uses EQ7 equalizer, adjustable LPF/HPF crossovers, Listener Position calibration, Rear Bass Enhancer, and Dynamic Loudness volume leveler to deliver an impressive listening experience.

Powerful in-dash amplification

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The internal Dynamic Reality Amp delivers 52 watts x 4 to your interior speakers, allowing you to crank up the volume while maintaining low distortion, low noise levels and smooth frequency response. Your music isn't just louder, its clearer too.

Zone x Zone for rear seat playback

Zone by Zone control allows users to independently select between sources for the front seat passengers while enabling separate DVD playback for rear seat passengers when connected to additional rear seat video monitors (sold separately).

Auxiliary Audio/Video inputs

Two dedicated rear auxiliary AV inputs provide additional AV source playback and a dedicated connection for a rear view camera (sold separately) for visibility when backing up, especially with larger trucks or SUVs.

SensMe® Music App

SensMe® application can organize your music into playlists that perfectly match your mood, scene and location, making it easier to choose the music that fits the moment. SensMe uses proprietary 12-tone analysis to look at tempo, rhythm ratios and number of notes to help differentiate similar music files.

Hands Free with noise cancelling

The included hands-free microphone and integrated echo and noise canceling circuitry assure your conversations are clear.

Convenient wireless remote included

Control your receiver with the included wireless card remote (RM-X271).

Steering wheel control ready input⁹

This receiver is compatible with aftermarket remote control adapters⁹ designed to utilize the vehicles existing, primary radio controls directly from the steering wheel. The 1/8" rear panel mounted remote input jack allows for simple connectivity.

Specifications

Amplifier Section		USB	Rear (2)
Max power output	52 watts x 4 at 4 ohms	Audio	
Power Ad Hoc	CEA2006 Standard Power: 17 Watts RMS per channel into 4 Ohms, 4 channels driven from 20 Hz to 20 kHz with less than 1% THD+N.	Audio Format(s) Supported	MP3/WMA/AAC/JPEG/MP4/XviD files ¹
Speaker Impedance	4-8 Ohms	Band	AM / FM
Amp & General Feature		Equalizer	EQ7: 7 band EQ with +/- 6 dB adjustment at: 63, 160, 400, 1000, 2500, 6300 and 16000 Hz
Aux-In	Yes (Rear A/Vx2)	Frequency Response	DVD / CD: 10-20,000 Hz
EQ	EQ7: 7 band EQ with +/- 6 dB adjustment at 63 Hz, 160 Hz, 400 Hz, 1000 Hz, 2.5 kHz, 6.3 kHz and 16 kHz.	Preout Impedance	100 ohms
High Pass Filter	Selectable on/off at: 50, 60, 80, 100 or 120 Hz.	Preout Voltage	5 volt
High Voltage Pre Out	Yes - 5 volt	S/N Ratio	Audio Power: CEA2006 S/N 80 dBA
Low Pass Filter	Selectable on/off at: 50, 60, 80, 100 or 120 Hz.	Signal-to-Noise Ratio (dB)	DVD/CD Player: 120dB
Output Power (4ohm, 1kHz, 16V) (W)	52 watts x 4	Station Preset(s)	18 FM / 12 AM
Pre Out	(3) Front, Rear and Sub	Tuner Frequency Range	FM: Tuner Frequency Range(MHz): 87.5-107.9 AM: Tuner Frequency Range(kHz): 530-1710
Rear Bass Enhancer	Yes	Tuner Type	HD Radio tuner with RDS
Sirius/XM Connector	Yes	Wow and Flutter	Below measurable limit
Sub Out	Yes	AUX in Feature	
Time Alignment Custom	Adjustable	Level Adjustment	-8dB / +18dB
Time Alignment Preset	Yes	Bluetooth Feature	
		# of records connected	9 (HFP+Audio)
		Call history (# of)	Yes (20 numbers)

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Call history browse with PBAP	Yes	Dimmer Adjust	Auto
Call Volume Level Control	Yes	Key Illumination Initial	Variable
Connection Status (maximum #)	2 devices (1HFP/PBAP+1Audio) or (1 OPP)	Multi Language	Yes
DTMF	Yes	Panel Design	
Echo/Noise Canceler	Yes (EC/NC Mode)	Display Device (LCD/FL/OEL/TFT)	TFT / WVGA
External microphone	Supplied	Key Illumination	Variable
Internal ringtone	1 (Sony Ericsson PCM)	Panel finish color	Piano Black
Last dialed call	Yes (select from the dialed call history)	USB Mass Storage Device Control Feature	
MIC GAIN Adjustment	Low/Mid/High	CODEC (for USB)	MP3, WMA, AAC
Phonebook (Built in)	3000 numbers: 1000 contacts/3 numbers each	Jump Mode	Yes
Phonebook Access via PBAP	Yes	List Browsing (Folders/Files)	Yes
RF ON/OFF	Yes	Pause	Yes
Ring alert select	Yes (Selectable: cellular/ default (Head Unit))	Repeat	OFF/ TRACK/ ALBUM
Ring volume level control	Yes	Resume Play	Yes
Speed dial	Yes (6x1=6 memories)	Shuffle	OFF/ON
TEL out channel	Front	ZAPPIN	Yes
Bluetooth Audio Feature			
Audio Codec	SBC/MP3	General	
Audio Level Adjustment	Yes (-8dB to +18dB)	CEA2006 output power	17
CUE/REV	yes	CEA2006 S/N	80
Meta Data Indication	yes	Maximum output power (4ohm, 1kHz, 16V)(W)	52
PAUSE	Yes	Preout impedance (ohms)	100
TRACK +/-	Yes	Preout output level (V)	5
BT Spec.			
Secure Simple Pairing	yes	Inputs and Outputs	
Version	Bluetooth Version 2.1	12V Trigger Output(s)	Power remote on
Convenience			
Tilt Range	0-45° mounting angle	Antenna Terminal(s)	AM/FM Antenna Input Terminal
Convenience Features			
CD Text Display	CD/MP3/WMA/AAC data displayed	Audio/Video Input(s)	Rear: (2) USB inputs Rear: (2) AUX audio/video Rear camera with reverse input trigger
Dimmer Adjust	Selectable Auto/on/off	Audio In	Rear: (2) USB inputs Rear: (2) AUX audio/video SiriusXM™ connector
Key Illumination	Variable Key Illumination		
On-Screen Clock	12H		
Display			
Display Color	Black / Variable Color		
Display Technology	TFT (WVGA)		
Text Displayed	Source, artist, album, track, playback time, menu and clock		
Display Panel			
Auto off mode	Yes		

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Digital Audio Input(s)	Ability to use all forms of USB devices may vary as not all devices are compatible. This unit is compliant with MSC (Mass Storage Class) and MTP (Media Transfer Protocol) type USB devices compliant with the USB standard. This unit cannot recognize USB devices via a USB hub.	Card Remote (): Option	RM-X271 included
	This unit can be connected to the following iPods. Update your iPod to the latest software before you use it.	Clock	12H
	iPod Nano 1st - 6th generation	Rotary commander ():Option	Yes
	iPod Touch 1st - 4th generation	Profile	
	iPod Classic	A2DP	Yes
	iPod with video	AVRCP	Yes (v 1.3)
	iPhone	HFP	Yes (v 1.5)
	iPhone 3G	OPP	Yes
	iPhone 3GS	PBAP	Yes
	iPhone 4	SPP	Yes
iPhone 4S		Tuner	
iPhone 5		FM Usable Sensitivity	8 dBf
If you have any questions or problems concerning your unit that are not covered in the owners manual, consult your nearest Sony dealer.		Frequency Response	20 - 15k
Infrared Port	Wireless remote	S/N Ratio	80 dB (mono)
RCA Audio Output(s)	Front, Rear, and Subwoofer RCA pre-amp outputs	Selectivity	75 dB at 400 kHz
Remote Jack	Optional wired remote terminal	Stereo Separation	50 dB at 1 kHz
USB Port(s)	Rear (2)	FM: Channel separation (dB)	50 dB at 1 kHz
iPod Control Feature			
Accessory Information	Yes	FM: Frequency response (Hz)	20 - 15k
CODEC (for iPod)	Depend on iPod® content	FM: Intermediate frequency (MHz)	25 kHz
Pandora Link (USB)	Yes	FM: S/N ratio (mono) (dB)	80 dB (mono)
Passenger Control	Yes	FM: Selectivity (400 kHz) (dB)	75 dB
Pause	Yes	FM: Tuning range (MHz)	87.5-107.9
Repeat	Track, Album, Artist, Playlist, Genre, Podcast	FM: Usable sensitivity (75 ohm) (dBf)	8 dBf
Resume Play	Yes	MW: Tuning range(kHz)	530-1710
Shuffle	Track, Album, Artist, Playlist, Genre, Podcast	MW/LW/SW: Sensitivity (75 ohm) MW/LW/SW(uV)	26/-
ZAPPIN	Yes	Tuner Feature	
USB-capable			
USB Mass Storage Device	Yes	Preset	FM 18 / AM 12
Other features			
Device Name	Sony Automotive		
Pandora Link (BT)	Yes		
SMS Indication	Yes: for Android™ only		



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1. Not all files may play back due to file variations. Copy-protected ACC-LC files not supported.
2. Not all USB devices are compatible. Consult www.esupport.sony.com for complete details.
3. Works with iPod with video, iPod Classic, iPod nano (1st - 7th gen.), iPod Touch (1st -5th gen.), iPhone, 3G, 3GS, 4, 4S and 5 via USB input, cable sold separately. Passenger control not available for iPod nano 1st gen. or iPod with video. Lightning connector devices only compatible with audio playback.
4. Requires satellite radio tuner and service subscription, sold separately.
5. Interoperability and compatibility among Bluetooth devices vary.
6. Works with iPhone 3G, 3GS, 4, 4S and 5 via USB port, and compatible Blackberry and Android™ based smartphones via Bluetooth.
7. MirrorLink enabled smartphone required. MirrorLink is a technology standard developed by the Car Connectivity Consortium (CCC) that allows consumers to use their smartphone in a car without looking at or touching their phone. The technology achieves this through two-way communication between the smartphone and the in-vehicle infotainment system. CCC-approved applications and content are mirrored from the mobile device onto the automotive in-dash receiver.
8. Compatibility varies as not all vehicles are compatible; please consult with each interface manufacturer for details.
9. Requires download of free Sony App Remote app for iPhone from the App Store or for Android from Google Play. Users must link compatible apps to the App Remote application on their phone in order to play the audio signal on the Sony receiver.
10. App Remote voice activation compatible with Android phones only.
11. HD Radio reception requires tuner to be within range of station's HD Radio signal.
12. Interoperability and compatibility of HDMI/MHL connection with included cables varies as not all devices are compatible.

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