

SONY

XAV-W650BT

6.2" CD/DVD Receiver with Bluetooth

With its large display and intuitive interface, the XAV-W650BT makes in-car communication and entertainment easier than ever before. This stylish system features voice control, message readout and Siri Eyes Free compatibility so you can remain focused and stay safe on the road.



- 6.2" Touch Screen with Intuitive graphic interface
- Bluetooth® & NFC connectivity¹
- SongPal App for intuitive remote contro²
- AM/FM Tuner with RDS
- Mega Bass adds low-end power
- 2-Volt front, rear, and sub RCA preamp outputs
- Front Aux and USB w/ High-Charge
- Plays DVDs & CDs
- USB playback supports MP3/WMA/AAC/WAV/FLAC
- Siri Control for hands-free control of your iOs device³
- Configurable steering wheel remote control input ready⁴
- Rear AV input, video output and rear camera input

6.2" Touch Screen with Intuitive graphic interface

The high-resolution TFT (WVGA) 6.2" touch screen display (800x480) 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.

Bluetooth® & NFC connectivity¹

Enjoy simplified Bluetooth® connectivity with Near Field Communications (NFC) technology.¹ Align compatible devices and touch NFC logos to: activate Bluetooth®, pair devices, and stream music. When done, align and touch the NFC logos to disconnect.

Integrated Bluetooth® technology¹

Easily take calls and listen to your favorite tunes with Bluetooth® 3.0 technology.¹ The receiver can simultaneously connect up to two compatible devices and choose between hands free phone access, phonebook access or audio streaming.

SongPal App for intuitive remote control²

Available for both Android™ and compatible iOs devices. The SongPal™ app lets you use your smartphone or tablet as a convenient system remote.² It can even access, select, and playback the music files stored on your compatible device.

AM/FM Tuner with RDS

The AM/FM Tuner provides 18 FM presets and 12 AM presets. The RDS feature displays broadcast information when listening to compatible AM/FM stations.

Mega Bass adds low-end power

Activate Mega Bass at the touch of a button for an instant, low-end boost and illuminations that pulse in time with the beat. Unlike conventional bass boosters, Mega Bass minimizes distortion at all volume levels by automatically adjusting frequency and gain to their optimal positions.

2-Volt front, rear, and sub RCA preamp outputs

When you're ready to expand your system, the receiver delivers 2 volt RCA pre-amp outputs for external front, rear and subwoofer amplifiers. The adjustable subwoofer level control also lets you dial in the bass when you're ready to pump it up.

Plays DVDs & CDs

Compatible with DVD-R/DVD-R DL (in video mode), DVD-RW in video mode, DVD+R/DVD+R DL, CD-R & CD-RW discs. Compatible with MP3, WMA, AAC, FLAC, WAV, MP4 (Xvid) & JPEG files.

USB playback supports MP3/WMA/AAC/WAV/FLAC

Multi-format playback lets you play your MP3, WMA, AAC, WAV or FLAC files from an MSC & MTP compatible USB device.

Siri Control for hands-free control of your iOs device³

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With Siri Eyes Free, iPhone users can manage everything from calls, texts and music to social media notifications without ever having to take their eyes off the road. Tell Siri to make a hands-free call, compose a text message, or select and play music, so you can multi-task safely.³

Rear AV input, video output and rear camera input

A dedicated rear auxiliary A/V input provides external source playback options and while a rear video output provides signal for optional rear monitors. There's also a connection for a rear view camera (sold separately) to improve visibility when backing up, especially with larger trucks or SUVs.

Steering wheel control ready input⁴

This receiver is compatible with aftermarket remote control adapters designed to utilize the vehicles existing, primary radio controls directly from the steering wheel.⁴ The 1/8" rear panel mounted remote input jack allows for simple connectivity.

External hands free mic supplied

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

Convenient wireless remote supplied

Control your receiver with the included wireless card remote (RM-X170).

Specifications

AV in Feature		MIC GAIN Adjustment	Low / Mid / High
Level Adjustment	Yes	Noise canceller	Yes
BT Spec.		Phonebook Access via PBAP	Yes
Version	Bluetooth Version 3.0	Phonebook code	UTF8
Bluetooth Audio Feature		recent calls (#of)	Yes (20 numbers)
Audio Codec	SBC	RF ON/OFF	Yes
Audio Level Adjustment	Yes (-8dB to +18dB)	ring alert select	Auto
CUE/REV	Yes	ring volume level control	Yes
Group (Folder) +/-	Yes	Signal strength indication	Yes
Meta Data Indication	Yes	speed dial	Yes (6 memories)
PAUSE	Yes	TEL out channel	Front
Repeat Control (Audio Device side)	Yes	Voice Dial Activation	Yes
Shuffle Control (Audio Device side)	Yes	Display Panel(MDP and AVC)	
TRACK +/-	Yes	Dimmer Adjust	Yes
Bluetooth Feature		Dimmer Area	Display Monitor Only
# of records connected	5 (HFP+Audio)	Monitor off mode	Yes
Auto Answer	Yes (off / on)	Monitor(AVC)	
Battery remainder indication	Yes	Brightness	400 cd/m2
call volume level control	Yes	Color System	NTSC/ PAL/ SECAM/ PAL-M
connection status (maximum #)	(1HFP/PBAP+1Audio)	Color System Auto switch	Yes
DTMF	Yes	Contrast Ratio	500
Echo canceller	Yes	Dimmer	Yes
External microphone	Supplied	Dimmer Method	Auto / Manual select
Internal ringtone	1 (Sony Ericsson PCM)	LCD Type	TFT Active Matrix
Last dialed call	Yes (select from the dialed call history)	Resolution (DOT)	800 x 480
		Screen Aspect	17:09
		Screen Diagonal (inch/mm)	6.2 inch

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Screen Size (WxH mm)	137.40 x 77.28
Viewing Angle (Contrast Ratio 10:1)	75/75/60/70 (L/R/U/D)
Multi Language	
Caution	En/Sp/Ru
ID3 Tag	ISO8859-1 plus Cyrillic
Menu	En/ Sp/ Ru
Menu/Caution Initial	En
Other features	
Device Name	XAV-W650BT
SMS Indication	by SongPal?
Profile	
A2DP	Yes (1.2)
AVRCP	Yes (1.4)
HFP	Yes (1.6)
OPP	Yes (1.1)
PBAP	Yes (1.1)
SPP	Yes
CD/DVD Control Feature	
Audio Codec	MP3/WMC/AAC/WAV/FLAC
Audio Playable File Extension	.mp3/.wma/.aac/.wav/.flac
CD-R playback	Yes
CD-RW playback	Yes
CUE/REV	Yes
Dolby Digital playback (Main Unit)	Yes
DVD+R/+RW playback	Yes
DVD LEVEL Adjust	Yes
DVD-R/-RW playback	Yes
DVD Setup	Yes
DVD-Video playback (Main Unit)	Yes
DVD-VR playback (Main Unit)	Yes
List (Main Unit)	Yes
MP3: ID3 Tag Indication (Version, Title/ Artist/Album)	Yes (ID3 ver2.4)
Multi Session	Yes
PICTURE EQ	Yes
Repeat/Shuffle (Main Unit)	Yes
VCD playback (Main Unit)	Yes
Video Codec	Xvid/MPEG1/2/MPEG4-SP/JPEG

VIDEO OUT FORMAT	Composite
Video Playable File Extension	.avi/.mpg/.mp4/.jpeg
CD/DVD Deck	
ESP	Yes
Installation angle	45°
General Feature	
ATT	Yes
Aux-In	Yes (Rear)
Balance	Yes
BT	Yes
Fader	Yes
Graphical EQ5(5-band EQ)	Yes
High Pass Filter	Yes
Low Pass Filter	Yes
MEGA BASS	Yes (2 Mode)
METRA Ready	Yes
One-touch connection (NFC)	Yes
Output Power	55W
Pre Out	3 Pre 2V
Rear Out	Yes
Rear View Camera in	Yes
Selectable Background Color	Yes (5 Color)
Siri Eyes Free Mode	Yes (for iOS)
SongPal	Yes (for Android)
Sub Out	Yes
Tag Indication	Yes
USB	Yes
Zappin	Yes (only for tuner preset)
Tuner Feature	
FM 50k/100k/200k change	Yes (100k/200k)
Preset	FM18/AM12
RDS/EON (NA Only:RBDS, Others:RDS)	Yes (only RDS)
USB Control Feature	
CUE/REV	Yes
ID3 Tag Indication (Version, Title/ Artist/Album)	Yes
List	Yes
Max Layer#/ Folder#/File#	8 / 256 / 2000
Pause	Yes
PICTURE EQ	Yes
Repeat	Yes
Repeat/Shuffle	Yes

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Repeat Initial	Yes
Shuffle	Yes
Shuffle initial	Yes
User Interface	
Aspect Ratio Select	Yes
Beep	Speaker
Clock	12H
Demo Mode	Yes
DVD Direct Op	Yes
HOME screen	Yes
List Function	Yes
Operation	Touch Panel
Parking Control	Yes
Remote Commander ():Option	Enclose/ RM-X170
Source List	Yes
TOP screen	Yes
Touch Panel	Yes
Wallpaper	Yes
Wallpaper customization	Yes (5 Color Change)
Wallpaper Initial	Blue
Bluetooth Certification	
Bluetooth Logo Certification	Yes
Instruction Manual Language	
English	Yes
French	Yes
Spanish	Yes
Safety Standard	
Canada IC	Yes
DHHS	Yes
FCC	Yes
Accessibility	Yes (Closed Caption)
General	
ADHOC (THD:5% 20Hz-20kHz,4ohms,4ch)(W)	23.2
ANT connector	JASO
C/O	Yes
Connector type	16P
NTSC/PAL	NTSC
POP	Yes (iPod/USB, Bluetooth)
Power Connector	Yes
Region	1
Speaker impedance (ohms)	4-8

CEA2006 output power	17
CEA2006 S/N	80
Maximum output power (4ohm, 1kHz, 16V)(W)	55
Preout impedance (ohms)	220
Preout output level (V)	2
Rated output power (DIN)(W)	27
Tuner	
FM: Tuning range(MHz)	87.5-107.9
FM (Tuning range(MHz)/step(kHz)/de-emphasis(mus)) 87.5-107.9/200/75	Yes
MW: Tuning range(kHz)	530-1710
MW(Tuning range(kHz)/step(kHz)) 530-1710/10	Yes
Other features	
Power Supply	Yes (more than 1A)
USB Capability	
connection-enabled device list	WEB Support
File System	FAT12/16/32, exFat
USB Mass Storage Device	Yes
USB Mass Storage Device Control Feature	
Pause	Yes
Repeat	Off/ Track/ Folder/ Drive
Resume Play	Yes
Shuffle	Off/ Folder
Audio Codec	MP3/WMC/AAC/WAV/FLAC
Audio Playable File Extension	.mp3/.wma/.aac/.wav/.flac
Max Layer#/ Folder#/File#	8/ 256/ 2000
MTP	Yes (Video/Music)
Plug and Play	Yes
Video Codec	Xvid/MPEG1/2/MPEG4-SP/JPEG
Video Playable File Extension	.avi/.mpg/.mp4/.jpeg
USB Specification	
Version	USB (full-speed)
USB-capable	
USB Hub	Yes
Weights and Measurements	

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Dimensions (Approx.)	178 x 101.5 x 169 mm (w/h/d) Mounting: 178 x 100 x 165 mm (w/h/d)
Weight (Approx.)	1.7 kg

Accessories	
Supplied Accessories	Ant connector (JASO) Warranty Card (U for 1 year)

1. Interoperability and compatibility among Bluetooth® devices may vary.
2. 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.
3. Voice activation compatible with iPhone 4S or later using latest iOS version and Bluetooth.
4. Compatibility varies as not all vehicles are compatible; please consult with each interface manufacturer for details.

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