

# SONY

## MEX-XB100BT

### 100 Watt Hi-Power with Digital Amp & Bluetooth

Take drive-time seriously with a full-featured 160W<sup>1</sup> Sony head unit. Take control with Siri Eyes Free for iOS devices<sup>3</sup>. Take calls or stream music with Bluetooth<sup>®</sup> technology<sup>2</sup>.



- Hi-power 100 watt x 4 Digital Amp (40W x 4 CEA RMS wattage)<sup>1</sup>
- Stream music wirelessly w/Bluetooth<sup>®</sup> & NFC connection<sup>2</sup>
- 2-Zone, Dynamic Color Illuminator<sup>®</sup> with Sound Synchronization
- Siri Eyes Free for hands-free control of your iOS device<sup>3</sup>
- Advanced sound with EQ10, MEGA BASS<sup>®</sup>, and HPF/LPF crossovers
- DSEE and ClearAudio+<sup>™</sup> technology delivers rich sound
- CD-R/RW playback supports MP3/WMA/AAC<sup>4</sup>
- Bluetooth<sup>®</sup> Auto Pairing for iPhone<sup>®</sup>/iPod<sup>®</sup><sup>5</sup>
- USB playback supports MP3/WMA/AAC/WAV/FLAC<sup>6</sup>
- Works with Pandora<sup>®</sup> (iOS and Android<sup>™</sup>)
- SiriusXM<sup>™</sup> Satellite radio connector ready<sup>7</sup>
- SongPAL<sup>™</sup> App for intuitive remote control<sup>8</sup>
- Intuitive Quick-BrowZer<sup>®</sup> and Jump Mode search features
- Front Aux and USB w/ High-Charge for iOS & other USB devices<sup>9</sup>
- 5-Volt front, rear, and sub RCA preamp outputs
- Subwoofer direct connection capable
- Digital Clarity Tuner with RDS
- Steering wheel remote control input ready<sup>10</sup>
- Convenient wireless remote supplied (RM-X231)
- External hands free mic supplied

#### Powerful amplification

Upgrading your car stereo head unit may not get you much more in the way of system power...until now.

The MEX-XB100BT's integrated Digital Amplifier delivers an unheard of 160 Watts<sup>1</sup> to your speakers! For maximum bass pounding results, grab a pair or two of specially matched Sony XS-XB speakers,

#### Integrated Bluetooth<sup>®</sup> technology

Easily take calls and listen to your favorite tunes with integrated Bluetooth<sup>®</sup> technology<sup>2</sup>.

#### One-touch listening with NFC

Enjoy simplified Bluetooth<sup>®</sup> connectivity with Near Field Communications (NFC) technology<sup>2</sup>. Simply align compatible devices and NFC logos to activate or deactivate pairing.

#### Dynamic Color Illuminator<sup>®</sup>

Using the 2-Zone, Dynamic Color Illuminator<sup>®</sup> control, choose from nearly 35,000 colors to independently mix and match display and button color to your interior and style. For added sizzle, the lighting can be synchronized with the beat using the Sound Synchronization function.

#### Siri Eyes Free Control

Siri Eyes Free allows for hands-free control of a paired, Bluetooth<sup>®</sup>-enabled iOS device simply by pressing the rotary command button and speaking commands.

#### Advanced Sound

For a quality listening experience, Advanced Sound Engine technology allows you to dial-in sound output to your vehicle and taste. Choose from: EQ10 equalizer, selectable slope High Pass and Low Pass filters, Listener Position Calibration, Advanced Auto Volume, Rear Bass Enhancer, and Subwoofer Level Control to name a few.

#### DSEE and ClearAudio+<sup>™</sup> for superb sound

# SONY

Two powerful Sony Technologies deliver an enhanced listening experience. Both allow for settings to be memorized by each source.

DSEE (Digital Sound Enhancement Engine) revitalizes and extends the audio frequencies commonly lost in the compression process for natural sound quality.

ClearAudio+™ renders incredibly vibrant sound with more powerful bass and crisp highs. Not available when using EQ10 or MEGA BASS® functions.

## SongPal™ App system control

Available for both Android™ and compatible iOS devices. The SongPal™ app<sup>3</sup> lets you use your smartphone or tablet as a convenient system remote. Easily adjust system sound and display settings. Select available music sources and hear SMS, Twitter, Facebook, and Calendar notifications. Via supported voice recognition, you can even take control and via your voice, reply to SMS messages.

## Multi-format support

Multi-format playback lets you enjoy: MP3, WMA, and AAC files encoded to CD, CD-R/CD-RW discs. Or enjoy your favorite MP3, WMA, WAV, AAC, and FLAC files from a USB drive<sup>4</sup>.

## Pandora® Internet Radio Control

Pandora® internet radio gives people the music they love anytime, anywhere, through personalized radio stations. Enjoy complete access to your Pandora account using your iPhone®, Android™ or Blackberry® phones<sup>4</sup>.

## SiriusXM™ Satellite radio ready

SiriusXM™ connectivity<sup>7</sup> simplifies satellite radio installation by eliminating compatibility issues and providing direct connection to the latest platform of tuners.

## Intuitive music search

Quick-BrowZer® provides quick and easy music access. Search by artist, album, genre, song or playlist to quickly find the song for the mood or moment. Use Jump Mode to fast forward through a category in 10% increments to help you find a specific song.

## Versatile, front USB 1-wire input

Connect control & charge your Walkman®, iPod®<sup>3</sup>, iPhone®, Android™, Blackberry®, or other compatible USB device<sup>2</sup> while accessing your digital music files via the front USB input. You can also view metadata like song title and artist on the front display. The front USB port provides up to 1 amp maximum output for charging your portable devices<sup>6</sup>.

## 5-Volt RCA outputs for system expansion

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

## Digital Clarity Tuner

Enjoy industry leading radio reception and performance. With RDS functionality the unit displays broadcast information when listening to compatible AM/FM stations.

## Steering wheel control ready input

Compatible with aftermarket remote control adapters<sup>10</sup> including many Japanese makes, this head unit can interface with existing, primary radio controls directly from the steering wheel. A 1/8" rear panel mounted remote input jack allows for simple connectivity.

## Convenient control panel design

An easy-to-read LCD display shows source and call information, clock, station ID and track data during playback of digital files from CD, streaming audio or external USB devices. A front auxiliary input lets you connect almost any portable audio device to your car's sound system.

## Hands Free with noise cancelling

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

## Specifications

### Amplifier Section

Max power output 100 watts x 4 at 4 ohms

### Power Ad Hoc

CEA2006 Standard Power: 40 Watts RMS per channel into 4 Ohms, 4 channels driven from 20 Hz to 20 kHz with less than 1% THD+N.

# SONY

Speaker Impedance	4-8 Ohms
<b>Amp &amp; General Feature</b>	
Automatic Level Optimizer	Yes
Aux-In	Front, with Level adjust
EQ	EQ10: 10 band EQ with +/- 6 dB adjustment at 32 Hz, 63 Hz, 125 Hz, 250 Hz, 500 Hz, 1000 Hz, 2000 Hz, 4 kHz, 8 kHz and 16 kHz.
High Pass Filter	Selectable on/off at: 50, 60, 80, 100 or 120 Hz.
High Voltage Pre Out	5 Volt
Low Pass Filter	Selectable on/off at: 50, 60, 80, 100 or 120 Hz.
Output Power (4ohm, 1kHz,16V) (W)	100 watts x 4
Pre Out	(3) Front, Rear and Sub
Rear Bass Enhancer	Yes
Sirius/XM Connector	Yes
Sub Out	Direct Connect with Level and Phase adjust
Subwoofer Direct Connection	Yes
Time Alignment Custom	Adjustable
Time Alignment Preset	Yes
USB	Front, 1.5A output
<b>Audio</b>	
Audio Format(s) Supported	MP3/WMA/WAV/AAC/FLAC files <sup>1</sup>
Band	AM / FM
Equalizer	EQ10: 10 band EQ with +/- 6 dB adjustment at 32 Hz, 63 Hz, 125 Hz, 250 Hz, 500 Hz, 1000 Hz, 2000 Hz, 4 kHz, 8 kHz and 16 kHz.
Frequency Response	CD: 10-20,000 Hz
Preout Impedance	220 ohms
Preout Voltage	5 volt
S/N Ratio	Audio Power: CEA2006 S/N 80 dBA
Signal-to-Noise Ratio (dB)	CD: 120 dB
Station Preset(s)	18 FM / 12 AM
Tuner Frequency Range	FM: Tuner Frequency Range(MHz): 87.5-107.9 AM: Tuner Frequency Range(kHz): 530-1710
Tuner Type	Digital Clarity Tuner with RDS
Wow and Flutter	Below measurable limit
<b>Audio Features</b>	
Sound Mode	DSEE (Digital Sound Enhancement Engine) Clear Audio+ MEGA BASS
<b>AUX in Feature</b>	
Level Adjustment	-8dB / +18dB
<b>Bluetooth Feature</b>	

# of records connected	9 (HFP+Audio)
Call history (# of)	20 numbers via PBAP
Call history browse with PBAP	Yes (Combined Call)
Call Volume Level Control	Yes
Connection Status (maximum #)	(1) HFP/PBAP and (1) Audio
Echo/Noise Canceler	Yes (mode 1 / mode 2)
External microphone	Supplied
Internal ringtone	2014 Sony Mobile Ringtone
Last dialed call	Yes
MIC GAIN Adjustment	Yes (Low / Mid / High)
Phonebook Access via PBAP	Yes
RF ON/OFF	Yes
Ring alert select	Internal/Cellular
Ring volume level control	Yes
Speed dial	6x1=6 memories
<b>Bluetooth Audio Feature</b>	
Audio Codec	SBC/ AAC
Audio Level Adjustment	Yes (-6dB to +6dB)
CUE/REV	Yes
Meta Data Indication	Yes
PAUSE	Yes
TRACK +/-	Yes
<b>BT Spec.</b>	
Version	3.0
<b>Wireless Connectivity</b>	
Compatible Bluetooth® Profiles	A2DP (Advanced Audio Distribution Profile v1.3) AVRCP (Audio Video Remote Control Profile v1.5) HFP (Handsfree Profile v1.6) PBAP (Phone Book Access Profile) MAP HID SPP
Frequency Band	2.4 GHz band (2.400 - 2.4835 GHz)
Maximum Range	Line of sight approx. 10M (33ft)
Modulation Method	FHSS
Output	Bluetooth Standard Power Class2 (Max. +4 dBm)
Wireless Connectivity	Bluetooth Standard version 3.0
<b>Convenience</b>	
Tilt Range	0-45° mounting angle
<b>Convenience Features</b>	
CD Text Display	CD/MP3/WMA data displayed
Dimmer Adjust	Selectable Auto adjust or manual on/off

# SONY

Key Illumination	2-Zone, Variable color illumination
On-Screen Clock	12H
<b>Display</b>	
Display Color	Black / Variable Color
Display Technology	LCD
Text Displayed	Source, artist, track, playback time, menu, clock, Pandora® and Bluetooth® data
Text Lines	2 lines of information
<b>Display Panel</b>	
Auto off mode	Yes
Dimmer Adjust	Auto
Key Illumination Initial	2-Zone, Variable with Sound and Color Synchronization
<b>Panel Design</b>	
Display color (Color Variation/ Nega or Pos)	Black color/Negative
Display Device (LCD/FL/OEL/TFT)	LCD
Key Illumination	2-Zone Variable (rainbow)
Panel finish color	Black
USB Shutter	Yes
<b>USB Mass Storage Device Control Feature</b>	
CODEC (for USB)	MP3, WMA, WMA, WAV, AAC, FLAC
Jump Mode	Yes
List Browsing (Folders/Files)	Yes
Pause	Yes
Repeat	OFF/ TRACK/ ALBUM
Resume Play	Yes
Shuffle	OFF/ALBUM/DEVICE
ZAPPIN	Yes
<b>General</b>	
CEA2006 output power	17
CEA2006 S/N	80
Dimensions (WxHxD) (mm)	178x50x178
Maximum output power (4ohm, 1kHz, 16V)(W)	55
Preout impedance (ohms)	220
Preout output level (V)	5
Weight (kg)	1.3
<b>Inputs and Outputs</b>	
12V Trigger Output(s)	Power remote on
Antenna Terminal(s)	AM/FM Antenna Input Terminal

Audio In	Front: AUX input Front: USB inputs Rear: SiriusXM Input
Infrared Port	Wireless remote
RCA Audio Output(s)	Front, Rear, and Subwoofer RCA pre-amp outputs
Remote Jack	Optional wired remote terminal
USB Port(s)	Front
<b>iPod Control Feature</b>	
Accessory Information	Yes
CODEC (for iPod)	Depend on iPod® content
List Browsing (Folders / Files)	Quick-BrowZer®
Passenger Control	Yes
Pause	Yes
Repeat	Track, Album, Artist, Playlist, Genre, Podcast
Resume Play	Yes
Shuffle	Album, Artist, Playlist, Genre, Podcast, Device
ZAPPIN	Yes
<b>USB-capable</b>	
USB Mass Storage Device	Yes
<b>Other features</b>	
Auto-pairing for iOS devices	Yes
Device Name	MEX-XB100BT
Network Carrier Information	Yes
Pandora Link (BT)	Yes
SongPal (Android)	Yes
SongPal (iOS)	Yes
Card Remote ( ): Option	RM-X231 included
CD lock mode	Yes
Clock	12H
Detachable Panel	Detachable face
Rotary commander ( ):Option	Yes
<b>Profile</b>	
A2DP	Version1.3
AVRCP	Version1.5
HFP	Version1.6
HID	Yes
MAP	Yes
PBAP	Yes
SPP	Yes
<b>Capability</b>	
CD	CD, CD-R/RW
<b>Tuner</b>	

# SONY

FM: Channel separation (dB)	50 dB at 1 kHz
FM: Frequency response (Hz)	20 - 15k
FM: Intermediate frequency (MHz)	25 KHz
FM: S/N ratio (mono) (dB)	73 dB (mono)
FM: Selectivity (400 kHz) (dB)	75 dB
FM: Tuning range (MHz)	87.5-107.9
FM: Usable sensitivity (75 ohm) (dBf)	8 dBf
MW: Tuning range(kHz)	530-1710
MW/LW/SW: Sensitivity (75 ohm) MW/LW/SW(μv)	26/-/-
<b>Tuner Feature</b>	

Preset	FM 18 / AM 12
RDS/EON (NA Only:RBDS, Others:RDS)	Yes
<b>Wireless/Networking</b>	
NFC	Yes
<b>Weights and Measurements</b>	
Dimensions (Approx.)	178 x 50 x 178 mm, 7.125 x 2 x 7.125 inch (w/h/d) Mounting dimensions: 182 x 53 x 160 mm (w/h/d)
Dimensions (Approx) Depth	7.125" (178 mm)
Dimensions (Approx) Height	2" (50 mm)
Dimensions (Approx) Width	7.125" (178 mm)
Weight (Approx.)	1.3 kg (2 lb. 13 oz.)
<b>Accessories</b>	
Supplied Accessories	Remote Commander (1) Microphone (1) Parts for installation and connection (1 set)

1. Rated Power: CEA2006 Standard Power Output: 40 Watts RMS x 4 at 4 Ohms 1% THD+N SN Ratio: 80 dBA (reference: 1 Watt into 4 Ohms).
2. Interoperability and compatibility among Bluetooth devices vary.
3. Voice activation compatible with iPhone 4S or later using latest iOS version and Bluetooth.
4. Not all files may playback due to file variations. Copyright protected ACC-LC files not supported.
5. Voice activation compatible with iPhone/iPod with iOS5 or later installed and using Bluetooth.
6. Not all USB devices are compatible. Consult [www.esupport.sony.com](http://www.esupport.sony.com) for complete details.
7. Requires tuner and subscription, sold separately.
8. Requires download of free Song PAL App app for iPhone from the App Store or for Android from Google Play. Subject to app terms and conditions. SongPal does not support iPhone 3G, iPod touch (3rd generation), iPod touch (2nd generation), iPod classic and iPod nano.
9. Compatible with Android or Blackberry smartphones supporting Mass Storage Class (MSC) devices, users required to manually select MSC/USB connection in smartphone menu for proper functionality.
10. Compatibility varies as not all vehicles are compatible; please consult with each interface manufacturer for details.

© 2015 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Sony, Walkman, App Remote, Quick-BrowZer, Dynamic Color Illuminator, ClearAudio+ and their respective logos are trademarks of Sony Corporation. iPod, iPod classic, iPod nano, iTunes, iPhone, and Siri Eyes Free are trademarks of Apple Inc. PANDORA, the PANDORA logo, and the Pandora trade dress are trademarks or registered trademarks of Pandora Media, Inc., used with permission. Google, Android, and their respective logos are trademarks of Google Inc. Bluetooth and the Bluetooth logo are trademarks of Bluetooth SIG, Inc. The N Mark logo is a trademark of the NFC Forum, Inc. All other trademarks are trademarks of their respective owners. Features and specifications are subject to change without notice. Updated: May 31, 2016