

MEX-BT4000P

MEX-BT4000P Receiver w/Bluetooth & Pandora

Stream Pandora® internet radio⁴ and digital music, enjoy hands-free phone calls and access your phonebook from your smartphone with the MEX-BT4000P CD receiver with Bluetooth® technology. Connect, charge and control your iPod®², iPhone®², Walkman® player or other USB devices with front USB 1-wire connectivity plus, simplify SiriusXM™ Satellite Radio³ installation with a single dedicated connection.



Integrated Bluetooth® Technology

Easily take calls and stream audio with the MEX-BT4000P receiver featuring Bluetooth® technology. Connect compatible devices and choose between hands free phone access, Pandora® internet radio control⁴ or audio streaming.

Dynamic Color Illuminator

Match your radio's illumination to complement your existing vehicle lighting components with the Dynamic Color Illuminator. With selectable Sound Synchronization, the timing of the color change is synchronized with the audio source.

Pandora® internet radio Control⁴

Pandora® is the leading internet radio service, giving people music they love anytime, anywhere, through personalized radio stations. The MEX-BT4000P provides complete access to your Pandora account using your iPhone®, Android™ or Blackberry® phones⁴.

Front USB 1-Wire

Connect, charge, and control your iPod®², iPhone®², Walkman® player or other compatible USB devices via the USB 1-Wire jack in the front of the unit. You can also view metadata like song title and artist on the front display.

SiriusXM™ Satellite Radio Ready³

The on-board SiriusXM™ connector³ simplifies satellite radio installation by eliminating compatibility issues and providing direct connection to the new platform of tuners.

Detach face with front aux input

The easy-to-read single line LCD display shows clock, source playback information, and phone call data. Front auxiliary input lets you connect almost any portable audio device to your car's sound system.

MP3/WMA/AAC playback¹

Multi-format playback lets you play your MP3, WMA, or AAC files¹. Hear digital music files in their original vibrancy with DM+ (Digital Music Plus), a Sony® codec enhancer that reproduces detailed frequencies from compressed audio files.

Intuitive Search Features

Use Quick-BrowZer® feature to find music by artist, album, genre, song or playlist. Jump Mode allows you to fast forward in a category in 10% increments while the ZAPPIN™ feature can play a 6/9/30 second intro clips to help you find a specific song.

Advanced Sound Engine

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

Automatic Level Optimizer

Automatic Level Optimizer analyzes each tracks playback levels and adjusts output level to optimize transitions between tracks and sources.

RCA outputs for external amplifiers

When you're ready to expand your system, the MEX-BT4000P offers 2 volt front, rear and subwoofer pre-amp RCA outputs for external amplifiers. Set the built in electronic HPF/LPF crossovers to improve sound quality and reduce system distortion.

Wireless Remote Included

The included RM-X231 wireless remote lets you control the basic functions of your MEX-BT4000P.

Radio Data System

Radio Data System (RDS) feature displays radio broadcast information such as artist and track information when listening to compatible AM/FM stations.

Specifications

Amplifier Section

Max power output	52 watts x 4 at 4 ohms
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.
Speaker Impedance	4-8 Ohms

AMP & General Feature

Automatic Level Optimizer	Yes
Aux-In	Yes (Front)
DM+ (Codec enhancer)	Yes (Gen2.1)
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.
High Pass Filter	Selectable on/off at: 50, 60, 80, 100 or 120 Hz.
Loudness	Dynamic Loudness
Low Pass Filter	Selectable on/off at: 50, 60, 80, 100 or 120 Hz.
Output Power (4ohm, 1kHz,16V)(W)	52 watts x 4
Pre Out	(3) Front, Rear and Sub
Rear Bass Enhancer	Yes
Sirius/XM Connector	Yes
Sub Out	Yes
TEL ATT/Nav ATT	Yes
Time Alignment Custom	Yes (Adjustment)
Time Alignment Preset	Yes
USB	Yes (Front)

Audio

Band	AM / FM
Equalizer	EQ7: 7 band EQ with +/- 6 dB adjustment at: 63, 160, 400, 1000, 2500, 6300 and 16000 Hz.
Format(s) Supported	MP3/WMA/AAC files
Preout Impedance	220 ohms
Preout Voltage	2 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 (MHz): 87.5-107.9 AM (kHz): 530-1710
Tuner Type	SSIR-EXA with RDS
Volume Control	Tel/Nav Attenuation
Wow and Flutter	Below measurable limit

AUX in Feature

Level Adjustment	Yes (-8dB / +18dB)
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Bluetooth Features

# of records connected	9 (HFP+Audio)
Any Key Answer	Yes (Rotary Encoder only)
Call History (# of)	Yes (20 numbers)
Call history browse with PBAP	Yes
Call Volume Level Control	Yes
Connection Status (maximum #)	(1) HFP/PBAP + (1) Audio or (1) OPP
Echo/Noise Canceller	Yes (Mode 1 or 2)
External microphone	yes, XA-MC10 included
Initial Microphone	External XA-MC10
Internal Ringtone	1 (Sony Ericsson PCM)
Last dialed call	Yes
MIC GAIN Adjustment	Yes (Low/Mid/Hi)
Phonebook (Built in)	Yes (1000contacts, 3 memories/contact, 5 phones)
Phonebook Access via PBAP	Yes
RF ON/OFF	Yes
ring alert select	Yes (Internal/Cellular)
ring volume level control	Yes
speed dial	Yes (6x1=6 memories)
TEL out channel	Front

Bluetooth Audio Features

Audio Codec	SBC/MP3
Audio Level Adjustment	Yes (-8dB - +18dB)
CUE/REV	Yes
Meta Data Indication	Yes
PAUSE	Yes
TRACK +/-	Yes

Bluetooth

Secure Simple Pairing	Yes
Version	Bluetooth Version 2.1

Convenience

Tilt Range	0-45° mounting angle
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Convenience Features

Dimmer Adjust	Selectable Auto adjust or manual on/off
Key Illumination	Variable color illumination
On-Screen Clock	12H

Display

Display Color	Black color / Negative
Display Technology	LCD
Text Displayed	Source, artist, track, playback time, menu, clock, Pandora® and Bluetooth® data
Text Lines	1 line of information

Display Panel

Dimmer Adjust	Auto
Key Illumination Initial	RAINBOW

Panel Design

Display color (Color Variation/Nega or Posi)	Black color/Negative
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Display Device (LCD/FL/OEL/TFT)	LCD
Key Illumination	Variable
Panel finish color	Piano Black
USB Shutter	Yes

Feature

CODEC (for USB)	MP3, WMA, AAC ¹
Jump Mode	Yes
List Browsing (Folders/Files)	Yes
Pause	Yes
Repeat	OFF/ TRACK/ ALBUM
Resume Play	Yes
Shuffle	OFF/ALBUM/DEVICE
ZAPPIN	Yes

General

CEA2006 output power	17
CEA2006 S/N	80
Dimensions (WxHxD) (mm)	178x50x180
Maximum output power (4ohm, 1kHz, 16V)(W)	52
Mounting dimensions (WxHxD)(mm)	182 x 53 x 162
Preout impedance (ohms)	220
Preout output level (V)	2
Weight (kg)	1.2

Inputs and Outputs

12V Trigger Output(s)	Power amplifier turn on
Antenna Terminal(s)	AM/FM Antenna Input Terminal
Audio In	Front Aux in with variable level Front USB input SiriusXM connector
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. This unit can be connected to the following iPods. Update your iPod to the latest software before you use it. iPod Nano 1st - 6th generation iPod Touch 1st - 4th generation iPod Classic iPod with video iPhone iPhone 3G iPhone 3GS iPhone 4 If you have any questions or problems concerning your unit that are not covered in the owners manual, consult your nearest Sony dealer.
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 USB

iPod Control Feature

Accessory Information	Yes
CODEC (for iPod)	depend on iPod content

List Browsing (Folders / Files)	Quick-BrowZer®
Pandora Link (USB)	Yes
Passenger Control	Yes (Front USB only)
Pause	Yes
Repeat	Yes (Track, Album, Artist, Playlist, Genre, Podcast)
Resume Play	Yes
Shuffle	Yes (Genre, Album, Artist, Playlist, Device, Podcast)
ZAPPIN	Yes

USB Capable

USB Mass Storage Device	Yes
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Other Features

Device Name	Sony Automotive
Network Carrier Information	Yes
Pandora Link (BT)	Yes
SMS Indication	Yes
Card Remote (): Option	RM-X231
CD lock mode	Yes
Clock	12H
Rotary commander ():Option	(RM-X4S)
Security	Detachable

Profile

A2DP	Yes (version1.2)
AVRCP	Yes (version1.3)
HFP 1.5	Yes
OPP	Yes
PBAP	Yes
SPP	Yes

Tuner

FM Usable Sensitivity	8 dBf
Frequency Response	FM: 20-15,000 Hz
S/N Ratio	80 dB (stereo)
Selectivity	75 dB at 400 kHz
Stereo Separation	50 dB at 1 KHz
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)	80 dB stereo
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(uV)	26/-/-

Tuner Feature

Preset	FM18/AM12
RDS/EON (NA Only:RBDS, Others:RDS)	Yes (RBDS)

Weights and Measurements

Dimensions (Approx.)	178 x 50 x 180 mm, 7.125 x 2 x 7.125 inch (w/h/d)
Dimensions (Approx) Depth	7.125" (180 mm)
Dimensions (Approx) Height	2" (50 mm)
Dimensions (Approx) Width	7.125" (178 mm)
Weight (Approx.)	1.2 kg (2 lb. 11 oz.)

Supplied Accessories

Supplied Accessories	Parts for installation and connections (1 set) RM-X231 wireless remote XA-MC10 Hands Free Microphone
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Optional Accessories

Optional Accessories	USB Connection Cable for iPod®: RC-100IP
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1. Copy-protected content not supported.
2. Works with iPod touch® 1st - 4th generation, iPod nano® 1st - 6th generation, iPod classic®, iPod® with video, and iPhone® 3G, 3GS and 4.
3. Requires antenna and tuner sold separately.
4. Works with iPhone® 3G, 3GS, and 4 via USB port, and compatible Blackberry® and Android™ based smartphones via Bluetooth®.

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