

FUSION[®] MS-BB300R

BLACK BOX ENTERTAINMENT SYSTEM
QUICK START MANUAL



ENGLISH

FUSION[®]
FUSIONENTERTAINMENT.COM

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Made for iPhone 5, iPhone 4s, iPhone 4, iPhone 3GS, iPhone 3G, iPod touch (2nd through 5th generation), iPod classic, and iPod nano (4th through 7th generation).

"Made for iPod and iPhone" means that an electronic accessory has been designed to connect specifically to an iPod or an iPhone respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with an iPhone may affect wireless performance.

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Getting Started

This manual contains instructions for using the FUSION® BB300 stereo with a compatible FUSION NRX series remote control. The FUSION NRX series remote control is included in the FUSION MS-BB300R stereo and remote bundle and is an optional accessory for other models.

The FUSION BB300 stereo can also be controlled using a FUSION-Link™ compatible multi-function display (MFD) through the NMEA 2000® network.

Device Controls



Button	Function
	<ul style="list-style-type: none"> Select to turn on the device. Select to mute and un-mute the audio. Hold to turn off the device.
	<ul style="list-style-type: none"> Select to cycle the available sources. Hold to switch from remote control mode to NMEA 2000 mode.
	<ul style="list-style-type: none"> Select to open the menu. Select to return to the previous screen from the menu. Hold to exit the menu. Select to switch from NMEA 2000 mode to remote control mode. SIRIUSXM: Select to open the browse menu.
	<ul style="list-style-type: none"> BT or USB: Select to pause or resume the current track. AM/FM: Select to cycle through the tuning modes (auto, manual, and presets). SIRIUSXM: Select to move through the tuning modes (auto and presets), when you have at least one preset channel. DAB: Select to scan for DAB stations.
	<ul style="list-style-type: none"> BT or USB: Select to skip to the beginning of the track or to the previous track. AM/FM: <ul style="list-style-type: none"> Auto or manual tuning: Select to tune to the previous station. Hold for faster station skipping in manual mode. Presets: Select to change to the previous preset. AUX: Select to decrease the gain for the connected source. SIRIUSXM: Select to return to the previous channel. DAB: Select to return to the previous DAB station in the ensemble. When you reach the beginning of the current ensemble, the stereo automatically changes to the last available station in the previous ensemble.
	<ul style="list-style-type: none"> BT or USB: Select to skip to the next track. AM/FM: <ul style="list-style-type: none"> Auto or manual tuning: Select to tune to the next station. Hold for faster station skipping in manual mode. Presets: Select to change to the next preset. AUX: Select to increase the gain for the connected source. SIRIUSXM: Select to advance to the next channel. DAB: Select to advance to the next DAB station in the ensemble. When you reach the end of the current ensemble, the stereo automatically changes to the first available station in the next ensemble.
Dial	<ul style="list-style-type: none"> Turn to adjust the volume, move through the menus, or adjust a setting. Press to select an option or a setting.

Assigning the Remote to a FUSION Stereo

You must assign the remote control to the stereo after installing the remote control. When multiple FUSION BB300 stereos are installed on the NMEA 2000 network, you can assign a remote control to a specific stereo.

- 1 Select > **Settings** > **Stereo**.
- 2 Select a FUSION stereo.
- 3 Press the dial to save and exit the menu.

Adjusting the Backlight Brightness and Contrast

- 1 Select > **Settings** > **LCD**.
- 2 Press the dial to select brightness or contrast.
- 3 Adjust the brightness or contrast.
- 4 Select to exit the menu.

Enabling the Power Save Feature

You can set the backlight to turn off automatically, after a period of time, to save power.

- 1 Select > **Settings**.
- 2 Select the **Power Save** check box.
- 3 Select to exit the menu.

Adjusting the Volume

- 1 Use the dial to adjust the volume.
- 2 If necessary, press the dial to switch between zones.
TIP: To control all zones at the same time, press the dial until all zones are highlighted.

Assigning the Remote to a Zone

- 1 Select > **Settings** > **Zone** > **Assign**.
- 2 Select a zone or all zones.
- 3 Select to exit the menu.

Switching Between Remote Control Mode and NMEA 2000 Repeater Mode

By default, the remote control is in remote control mode when you power it on, allowing you to control a connected FUSION BB300 device. You can switch to NMEA 2000 repeater mode to view supported data sentences from connected NMEA 2000 devices.

- 1 Hold to switch from remote control mode to NMEA 2000 repeater mode.
While in NMEA 2000 repeater mode, you can control the volume and playback of the current source.
- 2 Select to switch from NMEA 2000 repeater mode to remote control mode.

Selecting NMEA 2000 Information to View


Before you can view NMEA 2000 information, you must set the remote control to NMEA 2000 repeater mode.

- 1 Select > **Settings** > **NMEA Monitor**.
- 2 Select the NMEA 2000 supported data sentences to view.
You can view information only from sensors connected to the same NMEA 2000 network as the remote control.
- 3 Select to exit the menu.



Cycling NMEA 2000 Information Automatically

By default, when in NMEA 2000 repeater mode, the remote shows one type of information. You can cycle through all available NMEA 2000 information by pressing repeatedly or by setting up automatic cycling.

- 1 Select > **Settings** > **NMEA Monitor** > **Cycle Screens**.


- 2 Select the time between cycles.
- 3 Select  to exit the menu.

Selecting Units of Measure

- 1 Select  > **Settings** > **NMEA Monitor** > **Set Units**.
- 2 Select the units of measure for distance, speed, and depth.
- 3 Select  to exit the menu.

Controlling Music Playback on a Bluetooth® Device

You can use the remote to connect and control the music playback of a compatible Bluetooth smartphone or media player to the connected stereo.

- 1 Select the Bluetooth source.
- 2 Select  > **Discoverable** to make the stereo visible to your compatible Bluetooth device.
NOTE: The stereo is discoverable for only two minutes to prevent interruption to audio streaming over Bluetooth wireless. If more than two minutes pass before you connect a compatible device, you must repeat this step.
- 3 Enable Bluetooth on your compatible Bluetooth device.
- 4 Bring the compatible Bluetooth device within 10 m (33 ft.) of the stereo.
- 5 On your compatible Bluetooth device, search for Bluetooth devices.
- 6 Select the stereo from the list of detected devices.
- 7 Follow the on-screen directions to connect to the discovered stereo.
When pairing, your compatible Bluetooth device may ask you to confirm a code on the remote control. The remote control does not display a code, but it connects correctly when you confirm the message on the compatible Bluetooth device.
- 8 Use the controls on the remote control to control the music playback.

SiriusXM® Satellite Radio

Only SiriusXM brings you more of what you love to listen to, all in one place. Get over 140 channels, including commercial-free music plus the best sports, news, talk, comedy and entertainment. Welcome to the world of satellite radio. A SiriusXM Vehicle Tuner and subscription are required. For more information, go to www.siriusxm.com.


Enabling the SiriusXM Source

You must enable the SiriusXM source before you can listen to SiriusXM Satellite Radio.

Select  > **Settings** > **Tuner Region** > **USA**.

Locating the SiriusXM Radio ID

You must have the radio ID of your SiriusXM Connect Tuner before you can activate your SiriusXM subscription. You can locate the SiriusXM Radio ID on the back of the SiriusXM Connect Tuner or its packaging, or by tuning your stereo to channel 0.

With the SiriusXM source selected, select  > **Channels** > **All Channels** > **Radio ID**.

The SiriusXM Radio ID does not include the letters I, O, S, or F.

Activating a SiriusXM Subscription

Before you can activate the SiriusXM subscription, you must have the Radio ID ([Locating the SiriusXM Radio ID, page 2](#)).

- 1 With the SiriusXM source selected, tune to channel 1.

You should be able to hear the preview channel. If not, check the SiriusXM Connect Tuner and antenna installation and connections, and try again.


- 2 Tune to channel 0 to locate the Radio ID.
- 3 Contact SiriusXM listener care by phone at (866) 635-2349 or go to www.siriusxm.com/activatenow to subscribe in the United States. Contact SiriusXM by phone at (877) 438-9677 or go to www.siriusxm.ca/activatexm to subscribe in Canada.
- 4 Provide the Radio ID.
The activation process usually takes 10 to 15 minutes, but can take up to an hour. For the SiriusXM Connect Tuner to receive the activation message, it must be turned on and receiving the SiriusXM signal.
- 5 If the service is not activated within the hour, go to <http://care.siriusxm.com/refresh> or contact SiriusXM by phone at 1-855-MYREFRESH (697-3373).

SiriusXM Controls

When in SiriusXM mode, select .

Presets: Opens the list of preset SiriusXM channels.

Category: Opens a list of channel categories.

NOTE: You can select  and  to view channels within a category.

Parental Control Settings on the FUSION NRX Remote Control

You can lock and unlock SiriusXM radio channels, clear all locked channels, and change your passcode using a FUSION NRX remote control.

When in SiriusXM mode, select  > **Parental**.


Unlock: Unlocks the parental controls.

Lock/Unlock: Unlocks or locks channels.

Clear all Locked: Unlocks all locked channels.

Change PIN: Changes the parental passcode.

Locking a SiriusXM Channel Using the FUSION NRX Remote Control

- 1 When in SiriusXM mode, select  > **Parental**.
- 2 If necessary, select **Unlock** and Enter your passcode.
- 3 Select **Parental** > **Lock** > **Channel**.
- 4 Select a channel.
- 5 Select **Parental** > **Unlock** to lock the parental controls (optional).


DAB Playback

When you connect a compatible Digital Audio Broadcasting (DAB) module and antenna, such as the FUSION MS-DAB100A to the FUSION BB300 stereo, you can tune in to and play DAB stations.

DAB broadcasts are not available in all regions. When the stereo is not set to a compatible region, the DAB source is not available.

Setting the Tuner Region

You must select the region you are in to receive DAB stations properly.

- 1 Select  > **Settings** > **Tuner Region**.
- 2 Select the region you are in.

Scanning for DAB Stations

Before you can scan for DAB stations, you must connect a compatible DAB module and antenna (not included) to the

stereo. Because DAB signals are broadcast in select countries only, you must also set the tuner region to a location where DAB signals are broadcast.

- 1 Select the **DAB** source.
- 2 Select **▶||** to scan for available DAB stations.

When scanning is complete, the first available ensemble found begins playing.

NOTE: After the first scan is complete, you can select **▶||** again to re-scan for DAB stations. When the re-scan is complete, the system starts playing the first station in the ensemble you were listening to when you started the re-scan.

Changing DAB Stations

- 1 Select the **DAB** source.
- 2 If necessary, select **▶||** to scan for local DAB stations.
- 3 Select **◀◀** or **▶▶** to change the station.

When you reach the end of the current ensemble, the stereo automatically changes to the first available station in the next ensemble.

Selecting a DAB Station from a List

- 1 Select the **DAB** source.
- 2 If necessary, select **▶||** to scan for local DAB stations.
- 3 Select **☰** > **Browse** > **Stations**.
- 4 Select a station from the list.

Selecting a DAB Station from a Category

- 1 Select the **DAB** source.
- 2 If necessary, select **▶||** to scan for local DAB stations.
- 3 Select **☰** > **Browse** > **Categories**.
- 4 Select a category from the list.
- 5 Select a station from the list.

DAB Presets

You can save your favorite DAB stations as presets for easy access.

You can save up to 15 DAB-station presets.

Saving a DAB Station as a Preset

- 1 With the **DAB** source selected, change the stereo to a DAB station.
- 2 Select **☰** > **Browse** > **Presets** > **Save Current**.

TIP: You can quickly save the selected DAB station as a preset by holding **▶||**.

Selecting a DAB Preset from a List

Before you can select a DAB preset from a list, you must save at least one DAB station as a preset.

- 1 Select the **DAB** source.
- 2 Select **☰** > **Browse** > **Presets** > **View Presets**.
- 3 Select a preset from the list.

Removing DAB Presets

- 1 With the **DAB** source selected, select **☰** > **Browse** > **Presets**.
- 2 Select an option:
 - To remove one preset, select **Remove Preset**, and select the preset.
 - To remove all presets, select **Remove All Presets**.

Additional Settings

The available settings vary based on the source selected.

iPhone® and iPod® Settings

When a compatible iPhone or iPod is connected to the USB port of your stereo, you can play media and change options using the remote control.

From the iPod source, select **☰** > **iPod Settings**.

Repeat: Sets the repeat method for the track or playlist.

Shuffle: Sets the shuffle method for the tracks or album.

MTP Settings

When a compatible MTP device, such as an Android™ smartphone, is connected to the USB port of your stereo, you can play media and change options using the remote control.

From the MTP source, select **☰**.

Repeat: Sets the repeat method for the track or playlist.

Shuffle: Sets the shuffle method for the tracks or album.

USB Settings

When a compatible USB flash drive is connected to the USB port of your stereo, you can play supported audio formats and change options using the remote control.

From the USB source, select **☰**.

Repeat: Sets the repeat method for the track or folder.

Shuffle: Sets the shuffle method for the tracks or folder.

Bluetooth Settings

When a compatible Bluetooth smartphone or media player is paired and connected to your FUSION BB300 stereo, you can play media and change options using the remote control.

From the Bluetooth source, select **☰**.

Discoverable: Allows the FUSION BB300 stereo to be discovered by a Bluetooth smartphone or media player when pairing.

Remove Device: Removes a saved, paired Bluetooth smartphone or media player from the FUSION BB300 stereo.

FM and AM Settings

In addition to changing stations, you can manage your preset stations using the remote control.

From the FM or AM source, select **☰** > **Presets**.

Save Current: Saves the currently playing station as a preset.

Remove Preset: Allows you to remove one or all preset stations from the device.

TIP: You can quickly save the selected station as a preset by holding **▶||**.

General Settings

Select **☰** > **Settings**.

NOTE: When an option button is filled, the option is on. When the button is clear, the option is off.

NOTE: Not all options and settings are available for all stereos. See the stereo owner's manual for more details.

Zone: Enables you to configure the speaker zones.

Zone > Tone: Adjusts the bass, middle, and treble tones.

LCD: Sets the brightness and contrast.

Power Save: Enables and disables the backlight power-save feature.

Key Sound: Enables and disables the sound.

Wake with Stereo: Turns on the remote when the stereo is turned on by an MFD.

NMEA Monitor: Sets the data to view, the data display cycle, and the units of measure for NMEA 2000 data from a

connected FUSION-Link compatible multi-function display (MFD).

Language: Sets the language used on the remote.

Searching: Enables FUSION Alpha Search Technology (FAST), which allows you to quickly search for tracks by letter or number. If your iPhone, iPod, MTP, or USB media source contains more than 100 artists, songs, or albums, you can enable a fast search to quickly navigate by letter or number. The Off option turns off FAST searching and displays artist, album, and song lists using the default layout. The 100-800 options display lists using the FAST search menu.

Tuner Region: Sets the region used by the FM, AM, DAB, or SiriusXM source.

Tel Mute: Sets the behavior of the mute wire. The device can either mute the audio or switch to the AUX input when the optional mute wire is activated.

ARTWORK: Shows or hides the album cover artwork on a connected FUSION-Link compatible multi-function display (MFD).

NOTE: Album art cannot be shown on a remote control or when the media player is connected using Bluetooth technology.

Set Device Name: Assigns a name to a connected stereo.

Stereo: Assigns the remote control to a connected stereo.

Update: Updates the connected stereo, remote control, or accessory.

Update > Factory Reset: Resets the connected stereo settings to factory default values.

About: Shows the installed software version.

Zone Settings

You can adjust the settings for each available zone using the remote control. Each zone has different settings you can adjust.

Select  > **Zone**.

Tone: Sets the bass, mid, and treble for all zones.

Assign: Assigns the remote control to a single zone or to all zones.

Zone 1 Settings

Select  > **Zone** > **Zone 1**.

Balance: Sets the left and right balance of the zone.

Volume Limit: Sets the maximum volume for the zone.

Set Zone Name: Assigns a name to the zone.

Zone 2 Settings

Select  > **Zone** > **Zone 2**.

Enable: Enables and disables the zone.

Link to Zone 1: Enables zone 2 to use the same volume settings as zone 1.

Balance: Sets the left and right balance of the zone.

Volume Limit: Sets the maximum volume for the zone.

Set Zone Name: Assigns a name to the zone.

Zone 3 Settings

Select  > **Zone** > **Zone 3**.

Enable: Enables and disables the zone.

Balance: Sets the left and right balance of the zone.

Volume Limit: Sets the maximum volume for the zone.

Subwoofer: Sets the output level of the subwoofer and adjusts the frequency filter.

Volume Control: Allows the volume of this zone to be controlled by another amplifier or stereo and provides a fixed line-level output when the option button is cleared.

Set Zone Name: Assigns a name to the zone.

More Information

Registering Your FUSION BB300

Help us better support you by completing our online registration today.

- Go to www.fusionentertainment.com.
- Keep the original sales receipt, or a photocopy, in a safe place.

Supported NMEA 2000 PGN Information

PGN Number	Data Field
127250	Heading sensor reference: <ul style="list-style-type: none">• 0: True• 1: Magnetic
128259	Water speed reference: <ul style="list-style-type: none">• 00: Paddle wheel• 01: Pitot tube• 02: Doppler log• 03: Correlation log (ultrasound)• 04: Electromagnetic (EM) log
128267	Water depth: <ul style="list-style-type: none">• Offset add or subtract
129025	Position: <ul style="list-style-type: none">• Latitude and longitude
129026	Course Over Ground (COG) and Speed Over Ground (SOG) COG reference: <ul style="list-style-type: none">• 0: True• 1: Magnetic
129029	Global Navigation Satellite System (GNSS) position data
129284	Navigation data: <ul style="list-style-type: none">• ETA date
130306	Wind data reference: <ul style="list-style-type: none">• 0x02 : Apparent wind (relative to the vessel centerline)
130310	Water temperature and air pressure
130311	Water temperature and air pressure
130312	Temperature and temperature source: <ul style="list-style-type: none">• - 00 : Sea temperature
130314	Actual pressure and pressure source: <ul style="list-style-type: none">• 00 : Atmospheric pressure
130577	Direction data and COG reference: <ul style="list-style-type: none">• 0: True• 1: Magnetic

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