Operation Manual

Model No.: MBB-3.3

!!!!!!!!!! ATTENTION !!!!!!!!!!

TO RESET THE UNIT PUSH MODE
AND BD/FN SIMULTANEOUSLY
FOR THREE SECONDS

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PLEASE NOTE: This black box can be used with REM45, and MC-19 front panels. These front panels can also be combined for control from multiple locations.
In order to receive Sirius Satellite Radio broadcast, you must install SCC-1ML as well as a satellite antenna (both sold separately).

What is SIRIUS Satellite Radio?

SIRIUS READY

SIRIUS, headquartered in New York, offers over 120 channels of digital quality radio transmitted across the continental US from three high-tech satellites. Along with offering a full spectrum of music genres, users can also listen to popular news, entertainment and sports channels. SIRIUS currently offers 65 music channels, 24 news channels (including traffic and weather), 7 sports channels (including two dedicated play-by-play channels) and 24 talk / entertainment channels.
For more information on SIRIUS, visit siriusradio.com.

Quick Reference Guide for Sirius

1. To Access Satellite Radio
- Press MODE button until SIRIUS appears on the LCD.

2. For Direct Channel Entry
While in SIRIUS mode, press and hold MODE button for over 1.5 seconds to enter Direct Mode. At that point, the display will show "Channel_ _ _". Simply enter the desired number to go directly to the channel (example: 123).

3. To Access SIRIUS ID number
In SIRIUS mode, press MODE button for over 1.5 seconds, "Channel_ _ _" will display on LCD, enter "000" to display your SIRIUS ID number. "SID" followed by 12 digits will appear on the LCD. Or simple use the TUNE up/down buttons to navigate to channel 000.

4. To Enter Category Mode
While in SIRIUS mode, press BD/FN button for over 1.5 seconds to enter Category mode. The Category icon will appear on the LCD. Momentarily press Tune up/down button to switch between category channels. To change categories, press and hold Tune up/down button for 1.5 seconds, then repeatedly press this button until your desired category is displayed. To return to Direct mode, press and hold BD/FN button until the display says DIRECT.

5. To Preset Channels (up to 20 presets):
You can save up to 20 channels in the memory for direct mode and up to 10 channels in category mode. There are two possible ways to preset:
- Press MODE button for over 1.5 seconds until "Channel_ _ _" displays on LCD. Then use the numeral keys to directly enter what ever channel you would like to store (example:104). Press the preset button where you would like to store the channel for over 1.5 seconds to save it to memory.
2. Use TUNE UP/DN button to find a channel you would like to store. Press the preset button where you would like to store the channel for over 1.5 seconds to save it to memory.

6. To Display Song Title or Artist
In SIRIUS mode, press SEL until "SHIFT" displays; then press the VOL down button to display SHIFT icon. Press the SEL button until you have chosen the desired display field (Artist, Song, Composer, Ect...)

7. For Parental Lock Out Programming
- In SIRIUS mode, select the channel that you want to lock out. Press SEL button to display SHIFT, then press VOL DN to display SHIFT icon on LCD. Now simply press numeral 5 button. It has been locked when "Locked Channel" appears on the display.
- To temporarily unlock a channel, manually tune to the channel. When prompted, the display will read CHANNEL LOCKED, then it will display CODE. Enter your password and the channel will be unlocked until you change to another channel.
- To permanently unlock a channel, after temporarily unlocking the channel press SEL button to display SHIFT, then press VOL DN to display SHIFT icon on LCD. Now simply press numeral 5 button. Then enter your password again, the channel becomes totally unlocked when "LOCK RELEASE" displays.

8. To Change the Password (CODE)
In SIRIUS mode, press and hold SEL button, then momentarily press SEL repeatedly until CODE displays on LCD. Enter your current password first, once you see NEW CODE displays, enter your new 4-digit password. Now display will show UPDATE CODE, it means the system accept your new password.
Note: If power is completely removed from stereo, the password will revert back to 0000.

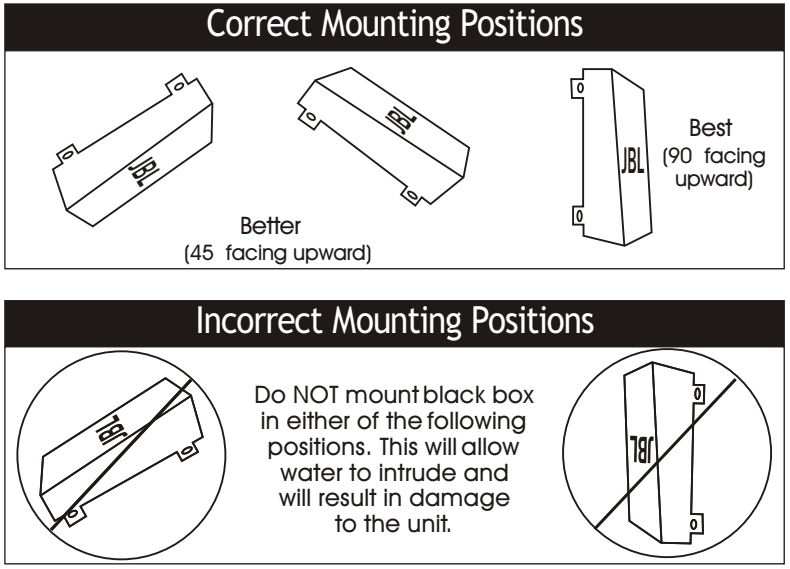
Mounting the Black Box

1. Precautions

Choose the mounting location carefully so that the unit will not interfere with the normal driving functions of the boat.

Avoid installing the unit where it would be subject to high temperature, such as from direct sunlight or hot air, or where it would be subject to dust, dirt or excessive vibration. Use only the supplied mounting hardware for a safe and secure installation.

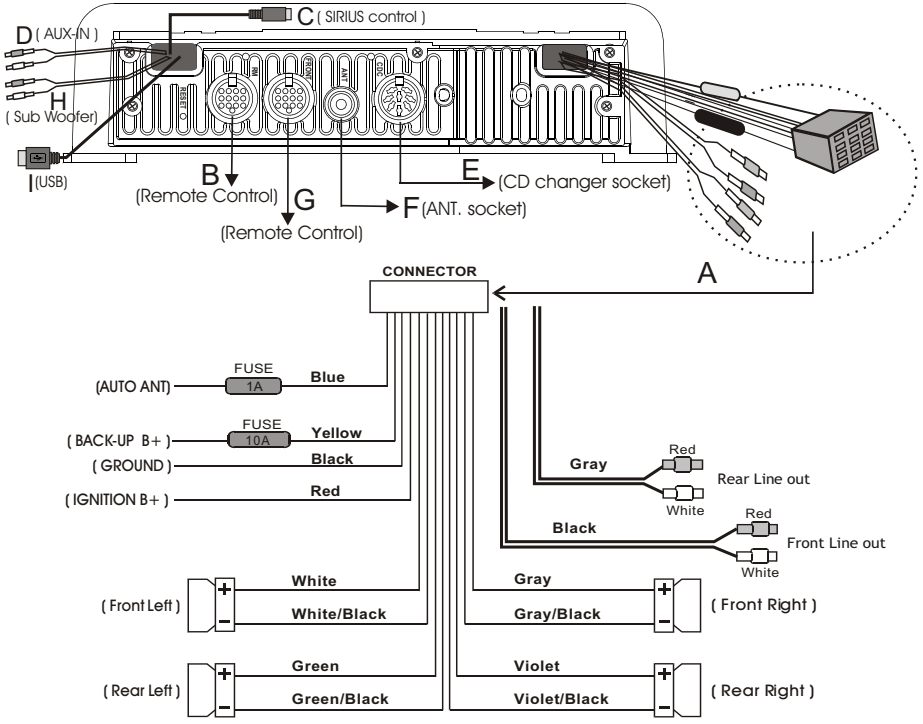
2***. Mounting illustrations***



3. Installation Note

Please find enclosed nylon wire tie-downs (wire clamps) for added support. (Use the wire clamps to hold down the harness, preventing water from running along the wires and into the unit.)

Wiring identification



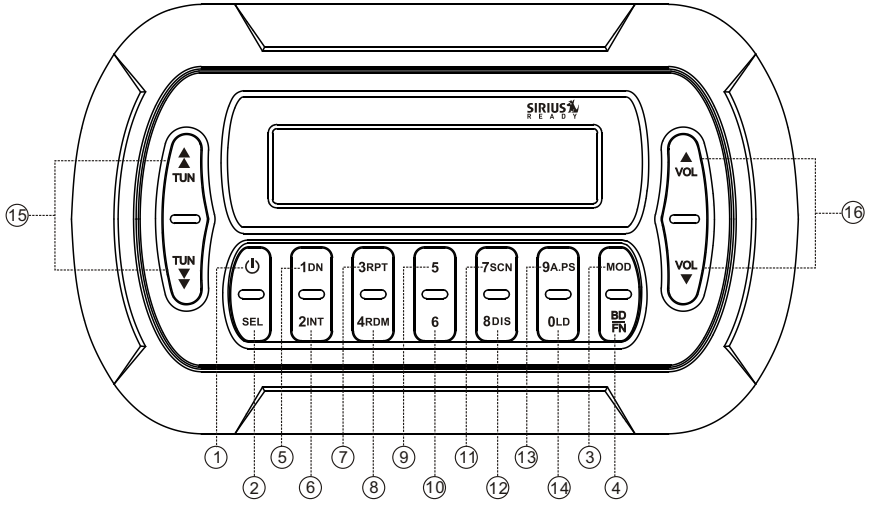
Installation Notes

Applicable to both 2 and 4-speaker connection:

A. Connections
B. Din cable connection for remote control
C. Din cable connection for SIRIUS control
D. AUX-IN
E. CD changer socket
F. Antenna socket
G. Din cable connection for remote control
H. Sub Woofer
I. USB

Identification of controls and functions

■ **Remote Control (Option):**



1. POWER ON / OFF button
2. SELECT button
3. MODE button
4. BD / FN button
5. Track play / pause button, radio/Sirius preset 1 button
6. Track intro scan button, radio/Sirius preset 2 button
7. Track repeat button, radio/Sirius preset 3 button
8. Track random play button, radio/Sirius preset 4 button
9. Radio/Sirius preset 5 button, CDC disc Up, Folder up, and Sirius parental lock/release
10. Radio/Sirius preset 6 button, CDC disc Down, and Folder down
11. SCAN button (#7 preset SIRIUS only)
12. DISP (display) button (#8 preset SIRIUS only)
13. A.PS - Auto Preset Scan button (#9 preset SIRIUS only)
14. LOUD (loudness) button (#10 preset SIRIUS only)
15. Radio or SIRIUS tune UP / DOWN button, CD, USB/NAND (internal memory), i-Pod, or CDC track UP / DOWN button
16. Volume decrease or increase button

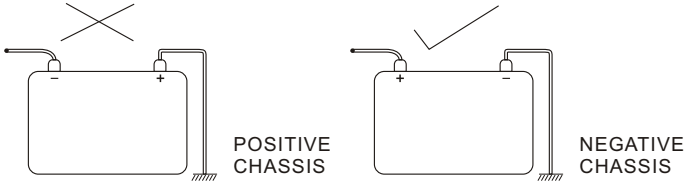
Important notes

1. Grounding

Make sure that the black wire on the wiring harness is connected to a good ground point on the boat. If the chassis of the boat is used as a grounding point, make sure that the surface is scraped clean of paint before attaching the wire to it.
It is preferable to connect the black ground wire directly to negative terminal (-) of the boat battery.

2. Warning: polarity...

This model is only suitable for use in boats which have a negative ground system, e. g. : the negative terminal of the boat battery is connected to the chassis.



3. Connecting the Speakers and Power Cables

Before you wire your system, disconnect your boat battery's positive (+) cable. This helps prevent damage in case of a short. When you complete the wiring, reconnect the battery cable and test your marine stereo. When connecting your marine stereo's black ground wire, be sure to connect the wire to a metal part of your boat or preferably to the negative (-) terminal of the boat battery.

This radio contains four separate power amplifiers. To prevent possible damage to these amplifiers please ensure the following:

i) The boat chassis is not used as a loudspeaker ground(-).
ii) Front and rear loudspeaker connecting wires are not joined together.
iii) Any wires not used when completing a two speaker installation are fully insulated.
iv) The memory wire (yellow) is connected to a permanent + 12V supply.
v) The power wire (red) is connected via the ignition switch of the boat.

4. Reset Function

A microprocessor reset function has been provided to facilitate manual resetting of the internal microprocessor. If you are faced with a malfunction during the operation, press and hold MODE and BD/FN button simultaneously for about 3 seconds to reset the unit.

Note: It will be necessary to re-enter the radio preset memories and other personal settings as these will have been erased when the microprocessor was reset. After resetting the player, ensure all functions are operation correctly.

■ ***USB & NAND (internal memory) Operation***

1. MODE button (3)

Pressing MODE button repeatedly will display the following:

2. Operation of Copying from USB to NAND (internal memory)

In USB mode, press and hold SEL button for about 2 seconds until "ONE COPY" displays on LCD, use VOL UP/DOWN button to choose ONE or ALL; then press BAND button to confirm the selection.

- If ALL COPY is selected, it will display as "the number of total track → the number of recorded track", and after copy is finished it will beep for about 3 seconds. After that it will begin to play from the first track.
- If ONE COPY is selected, record percent will display as "DOWN LOAD xx%"; after copy is finished it will begin to play the next track.

3. Operation of Deleting File in NAND

In NAND mode, press and hold SEL button for about 2 seconds until "ONE DEL" displays on LCD, use VOL UP/DOWN button to choose ONE or ALL, then press BAND button to confirm the selection.

- If All DEL is selected, it will display "DELETING" during the process, and after delete is complete it will display "NO FILE".
- If ONE DEL is selected, it will begin to play the next track after delete is complete.

4. Searching Folder and File in USB/NAND

In USB or NAND mode, press and hold the A.PS button for about 2 seconds to enter the folder searching mode. Use the VOL UP/DOWN buttons to choose the folders in the USB or NAND. At your desired folder, press BAND button to confirm the selection; then use the same method to select the file you desired. Once a file is selected, it will automatically begin to play.

5. Searching Track in USB/NAND

In USB or NAND mode, simply press A.PS button to switch into searching mode. Use VOL UP/DOWN buttons to choose tracks in the USB or NAND. At your desired track, press BAND button to confirm the selection.

1. POWER ON/OFF button (1)

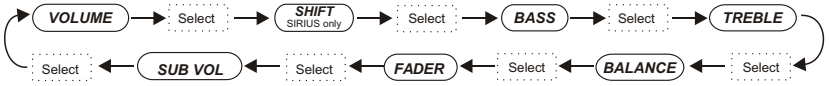
Push the PWR button (1) to turn on the unit. Push the button again to turn off the unit.

2. SEL and VOL button (2)

1) Audio control (VOLUME / BASS / TREBLE / BALANCE / FADER)

By quickly pressing the SEL (2) button, you can select which of the below features to set:
-VOL display - volume control > press button (2)>
-BAS display - bass tone control >press button (2)>
-TRB display - treble tone control > press button (2)>
-BAL display - balance control > press button (2)>
-FAD display - fader control > press button (2)>
- SUB VOL display - subwoofer volume control > press button (2)

Use the VOL up/down button (16) to adjust. The waiting time to accept adjustments is about 5 seconds. If the waiting time is over, the unit returns to the last displayed mode. These settings are indicated on the display window.



2) Beep 2nd , I-Vol , Area and DSP Selection

When the SEL button (2) is held over 2 seconds, the unit will be operated as below:

a. Beep 2nd

In the Beep 2nd mode, you can control Beep on or Beep 2nd by pressing VOL up/down.
- Beep on : You can hear "beep" sound when you press any buttons.
- Beep 2nd : You can hear "beep" sound when you press any button over 1.5 seconds.

b. I-Vol

In I-VOL mode (Initial Volume Level Adjustment). You can adjust the I-Vol to the level you want by using VOL up/down buttons.
After setting the initial level, when the unit is power on/off, detach on/off, and ACC on/off, if the present level is lower than Initial level, it will keep the present level; and if the present level is higher than initial level, it will use the I-VOL level.

c. Area Selection

In Area selection mode, use VOL up/down buttons to choose USA or EUR. Press and hold BD/FN for 2 seconds to confirm and save selection.

d. SUB-W

In Sub-woofer selection mode, press VOL up/down buttons to choose SUB-W on or off.

e. DSP

Choose from flat, classic, pop or rock features, and adjust each feature with VOL up/down buttons.

f. CODE
See page 10 section 8 “To Change the Password”.

3.Volume control
Press the VOL up/down button to increase or decrease the volume level.

4."MODE" button (3)
Press this button to select Radio, CD, USB/NAND (internal memory), CDC, SIRIUS or AUX.

5. BD/FN button (4)
In radio mode, press the BD/FN(4) button shortly to select the desired band: FM1,FM2,FM3, AM1 and AM2.
In SIRIUS mode, press BD/FN (4) button to select the SSR1, and SSR2.

7. How to adjust the clock / time (8)
Press DIS(8) button once to display the time.
a. Press and hold the DIS (8) button until the time flashes on the display.
b. Press VOL up to set hour.
c. Press VOL down to set minutes.
d. Press the DIS button again quickly to accept the adjusted time.
If no button is pressed within 5 seconds, then the unit automatically accepts the adjusted time without further intervention from the user.

8. Loudness function (14)
In order to emphasize the bass and the treble at low volume, press the LD (14) button. To turn off loudness, press the LD button again.

g to the Music

■

. Manual/Seek tuning buttons (15): Press this button quickly to activate the Seek mode. The Seek mode will automatically seek and stop at the next station of sufficient signal strength. Press and hold tuning buttons for 2 seconds to enter manual tuning mode. The unit will revert back to Seek mode after 10 seconds without use.

2. Manual Station store: Select the desired band and tune to a radio station to be memorized. Choose the preset button memory location span 1-6 (1-10 in Sirius mode) into which the station is to be stored and press and hold that preset button for 2 seconds. The station will now be entered into the preset memory. 6 stations can be memorized on each of the FM1, FM2, FM3, AM1, AM2 bands.

3. A.PS - Auto store function (13)
Press and hold button (13) for approximately 2 seconds until you hear a beep which confirms the memory function is engaged. The unit will "SEARCH" for six strong stations and automatically store them on buttons 1 - 6. (FM/AM only)
You can override the preset station on any button by manually setting a new frequency.

4. Scan (11)
In Radio mode, press the SCAN (11) button to scan strong stations.
At the desired station press the "SCAN (11)" button again to stop scanning.

5. Program Memory Scan
Momentarily press A.PS and the unit will scan for stored stations.
Momentarily press it again to stop scanning.

■

1. Play / Pause (5)
Push to pause playing in CDC USB/NAND, iPod and push again to resume play.

2. Intro Scan (6)
Press this button to hear the first 10 seconds of each track.
Press this button again to restore the player to its normal play mode.

3. Repeat play button (7)
While playing a desired track, press RPT button to play the track repeatedly.
Press RPT button again to return to normal play mode.

4. Random play button (8)
Press RDM button to play all tracks in random sequence.
Press RDM button again to return the player to normal mode.

5. Press ***preset button (9) or (10)*** to choose the DISC or folder that you would like to play. (This button works when you install the CD changer or insert a USB device/iPod to the radio unit. CDC, USB and iPod is optional.)

6. Track Tuning (15)
Search the tracks on the DISC, USB/ NAND (internal memory), or iPod with the ⏫ and ⏬ buttons. To fast-forward or fast-rewind press and hold the ⏫ or ⏬ button continuously.