JBL

MARINE

SIRIUS
R E A D Y

Operation Manual

Model No.: MBB-3

Contents

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 JBL SIR2.5 as well as a satellite antenna (both sold separately).
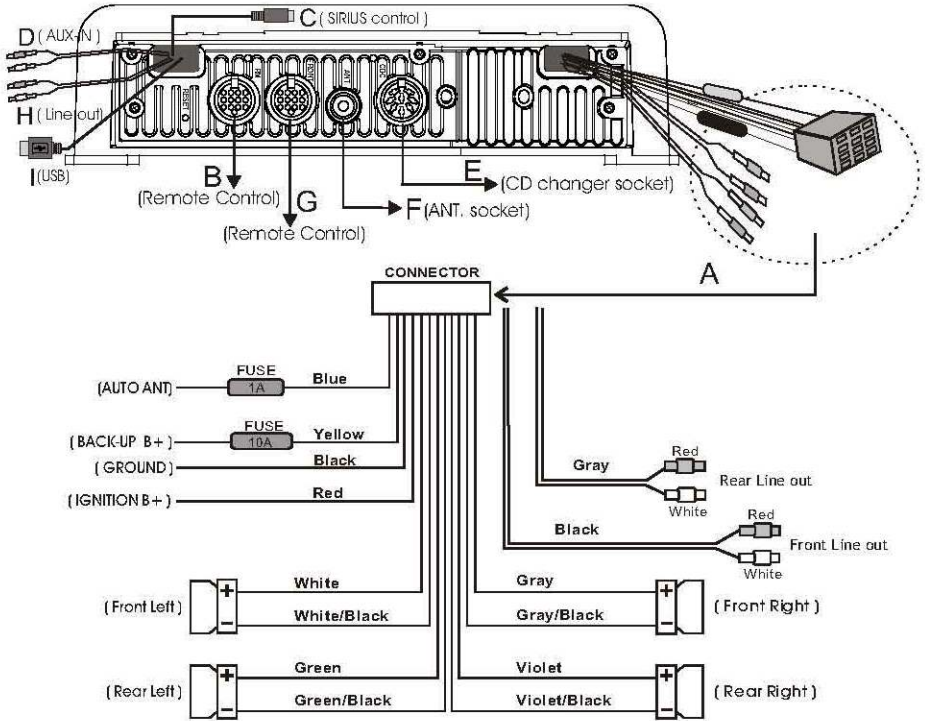
What is SIRIUS Satellite Radio?

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.
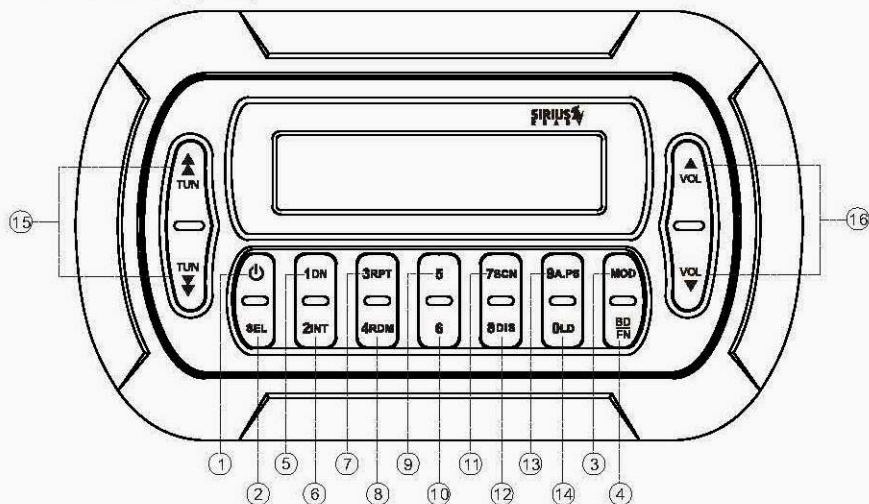
Wiring identification

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. Line out
  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, and CDC disc Up

10. Radio/Sirius preset 6 button, and CDC disc 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

Controls

1. POWER ON/OFF button (1)
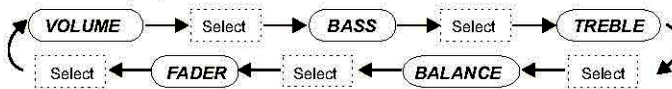Push the PWR button (1) to turn on the unit. Push the button again to turn off the unit.

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)>

Use the VOL up/down button (16) to adjust. In each mode, the waiting time for adjustment is about 5 seconds. If the waiting time is over, the unit returns to the last displayed mode of Radio, USB/NAND (internal memory), CDC, iPod, SIRIUS or CD mode. These settings are indicated on the display window.

| VOLUME → Select → BASS → Select → TREBLE |
| Select ← FADER ← Select ← BALANCE ← Select |

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:

Beep 2nd ···Press··➤ I-Vol ···Press··➤ Area ···Press··➤ SUB-W ···Press··➤ DSP

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
By pressing the SEL(2) button again, the unit will turn to I-VOL mode (Initial Volume Level Adjustment). You can adjust the I-Vol to the level you want by using VOL up/down button. After setting the initial level, the volume will default to this level every time the unit is powered on.

c. Area Selection
By pressing SEL(2) button again, the unit will be in Area selection mode, then use VOL up/down button to choose USA or EUR. Press and hold BD/FN for 2 seconds to confirm and save selection.

d. SUB-W
By pressing SEL(2) button again, the unit will be in Sub-woofer selection mode, then press VOL up/down button to choose SUB-W on or off.

e. DSP
Choose from flat, classic, pop or rock by pressing the SEL(2) button again. Adjust with VOL up/down button.

Controls

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

- Bass control
Press VOL up to increase the bass.
Press VOL down to decrease the bass.
- Treble control
Press VOL up to increase the treble.
Press VOL down to decrease the treble.
- Balance control
Press VOL up to decrease the left speaker volume.
Press VOL down to decrease the right speaker volume.
- Fader control
Press VOL up to decrease the volume level of speakers connected to the rear channel.
Press VOL down to decrease the volume level of speakers connected to the front channel.

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.

■ Station Tuning

1. Manual/Seek tuning buttons (15): Press this button quickly to activate the Seek
mode. The Seek mode will automatically seek up or down the wave band 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.

Controls

2. Manual Station store: Select the desired band and tune to a radio station to be memorized. Choose the preset button memory location1-6 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.
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.

■ Listening to the Music

1. Play / Pause (5)
Push to pause 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.)
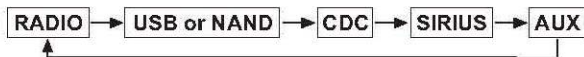
6. Track Tuning (15)
Search the tracks on the DISC, USB/ NAND (internal memory), or iPod with the ⬆ and ⬇ buttons. To fast-forward or fast-rewind press and hold the ⬆ or ⬇ button continuously.

Controls

■*USB & NAND (internal memory) Operation*

1. MODE button (3)
Pressing MODE button repeatedly will display the following:

RADIO → USB or NAND → CDC → SIRIUS → AUX

Note: USB mode defaults first, then you can simply press BAND button to choose
between USB and NAND mode.

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, the record percent would show as "100 → xx"(xx means
  the file recording percentage), and after copy is finished it will beep 3 times.
- If ONE COPY is selected, record percent will display as "REC xx"; after copy is
  finished "PERCENTAGE" will be displayed on LCD.

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. "COMPLETE" will be displayed on the LCD
after deleting is complete.

4. Searching Folder and File in USB/NAND
In USB or NAND mode, simply press the A.PS button 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, press and hold A.PS button for about 2 seconds 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.
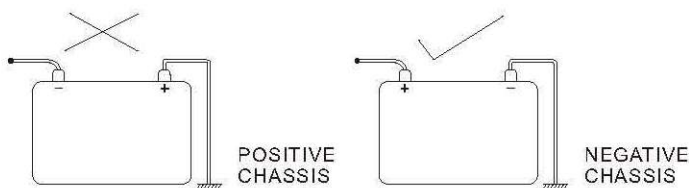
Important notes

▪ 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.

▪ 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.

POSITIVE
CHASSIS

NEGATIVE
CHASSIS

▪ 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.

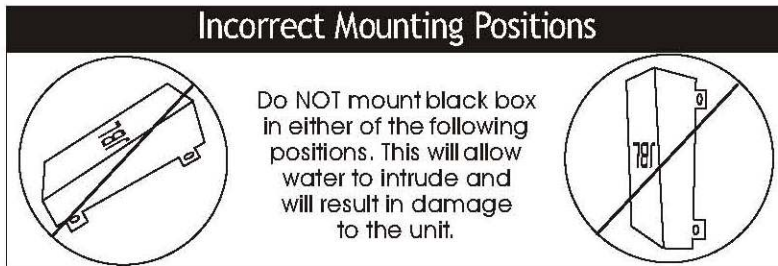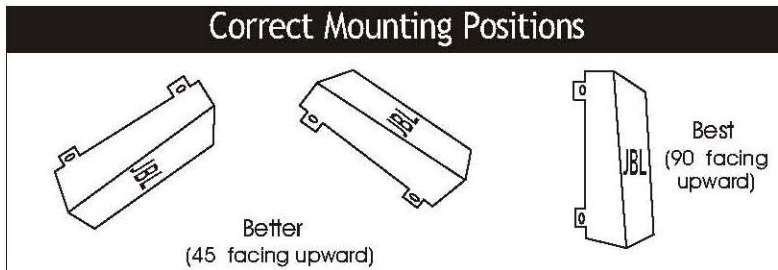# Mounting the Black Box

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*

Correct Mounting Positions

Better
(45 facing upward)

Best
(90 facing upward)

Incorrect Mounting Positions

Do NOT mount black box in either of the following positions. This will allow water to intrude and will result in damage to the unit.

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.)