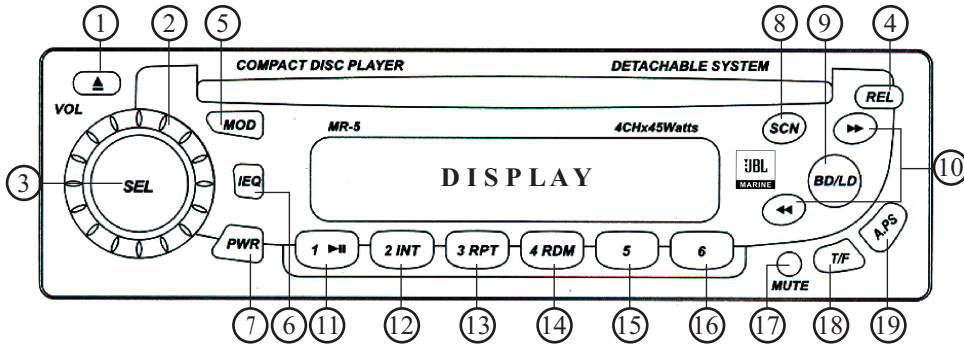


JBL MARINE STEREO OPERATION MANUAL

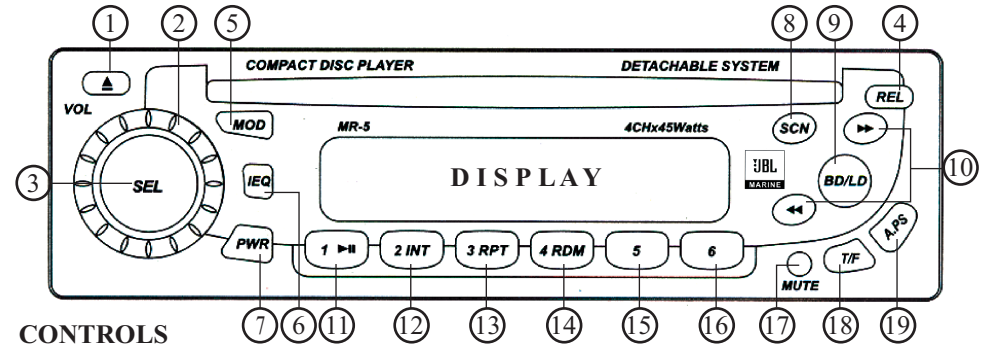


The JBL System is “Optional” on the Mark III Series.

Operating Instructions

1. CDP Eject Button
2. Spindle Knob (Adjustment - Audio Control Knob)
3. Electronic function SELECT Button
4. Front Panel Release Button
5. MOD Button (Radio - CDP - AUX)
6. IEQ Button (FLAT - CLASSIC - POP - ROCK)
7. POWER ON/OFF Button
8. SCAN Button
9. Band button (FM1, FM2, FM3, AM1, AM2) / LOUD Button
10. Radio Tune UP/DOWN, CD Track UP/DOWN
11. CD Play / Pause, Radio present 1 Button
12. CD Intro Scan Button, Radio preset 2 Button
13. CD Repeat track Button, Radio preset 3 Button
14. CD Random play Button, Radio preset 4 Button
15. Radio preset 5 Button
16. Radio preset 6 Button
17. MUTE Button
18. T/F (Time / Frequency) Button
19. A.P.S - Auto Preset Scan Button

JBL MARINE STEREO OPERATION MANUAL



CONTROLS

1. POWER ON/OFF

Push the button (7) to turn on the unit. Push the button again to turn off the unit.

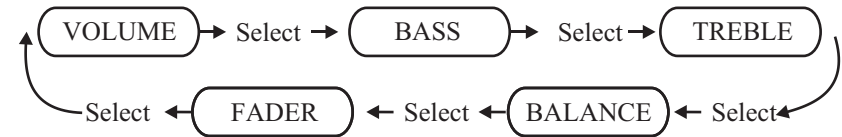
2. SELECT Button (3)

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

Press key quickly to select the following features;

- “VOL” display - volume control > press key (3)>
- “BAS” display - bass tone control > press key (3)>
- “TRB” display - treble tone control > press key (3)>
- “BAL” display - balance control > press key (3)>
- “FAD” display - fader control > press key (3)>

And you go back into volume control. If the key or one of the keys is not pressed within 5 seconds, the radio automatically switches into volume level control mode. These setting are indicated on the display window.



2) Beep 2nd, 1-Vol, Area Selection

When the button is pressed over 2secs, the unit will be operated as below;



A. Beep 2nd

On the beep 2nd, you can control the Beep on or Beep 2nd by turning around the spindle knob.

- Beep on: You can hear “Beep” sound when you press all buttons.

- Beep 2nd: You can hear “Beep” sound when you press the button over 1.5 secs.

B. 1-Vol

Once again pressing, the unit will be into the 1-VOL mode. (Initial Volume Level Adjustment) You can adjust the 1-Vol what you want to set by turning around the spindle knob and then 1-Vol will be set automatically. After the setting of 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, if the present level is higher than initial level, it will keep the present level, it will be always adjusted to the initial level.

C. Area Selection

After the pressing SEL key over 2 secs, you can select area (USA / EUR) by pressing Band button (9) over 2 secs.

3. Volume Control

Turn left or right the spindle knob (2) to decrease or increase the volume level. Switching on your radio automatically allows you to set the volume level without having to select it first. Simply turn the spindle knob to set the required level.

- Bass Control

Turn left to lower the bass.
Turn right to higher the base.

- Treble Control

Turn left to lower the treble.
Turn right to higher the treble.

- Balance Control

Turn left to decrease the right speaker volume.
Turn right to increase the left speaker volume.

- Fader Control

Turn left to decrease the volume level of any loud speakers connected front channel.
Turn right to decrease the volume level of any loud speakers connected rear channel.

4. "MODE" Button (5)

Press this button to select Radio, CD or AUX.

5. Loudness Function (9)

In order to emphasize the bass and the treble at low volume, press and hold key for 1 second. The display "LOUD ON" comes up for a short time and then reverts to displaying the frequency the station. The confirmation "LOUD" is indicated on the display "LOUD OFF" comes up for a short time when it is turned off.

6. Band Function (9)

Press the (BD/LD) button shortly to select the desired band Fm1, Fm2, Fm3, (AM). However this button works 2 functions, Band (quick press) and LOUDNESS (longer than 1 second press).

7. IEQ Function (6)

The (DSP=IEQ) feature creates a realistic atmosphere for the style of music. You select using the latest digital sound technology.

Quite pressing of the key allows you to select following features:

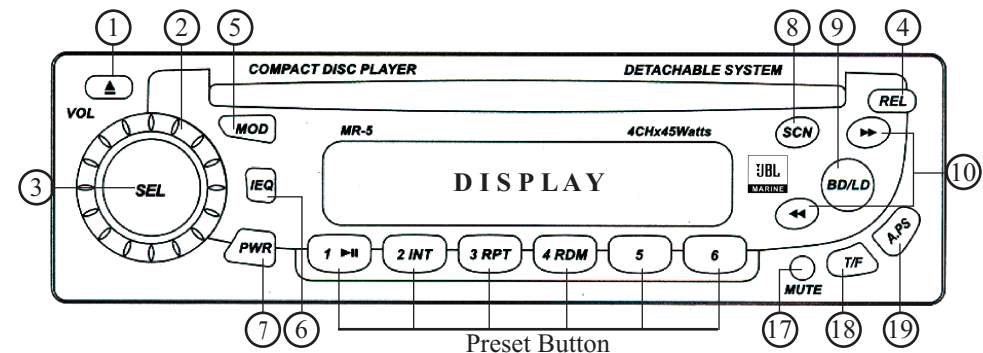
- "FLAT" display - normal operation mode > press key
- "CLASSICS" display - for the dramatic depth of classical music in an auditorium > press key.
- "POP M" display - for the electric excitement of stadium pop > press key
- "ROCK M" display - for the subtle extension of music's dimensions > press key
- "IEQ OFF" display - cancel the sound feature

8. TIME/FREQUENCY (T/F) Button (18)

- 1) After your unit has been installed into your spa, turn power on. The radio frequency will appear on the display.
- 2) Press T/F button once to display Time mode. Press T/F button once again (within 5 sec) and hold depressed until displayed time begins to blink.
- 3) Turn the spindle knob left to set the Minutes.
- 4) Turn the spindle knob right to set the Hour.
- 5) Once adjustment is completed, press T/F button. Displayed time will stop blinking and within 5 seconds, it reverts to Radio Frequency.

9. MUTE Button (17)

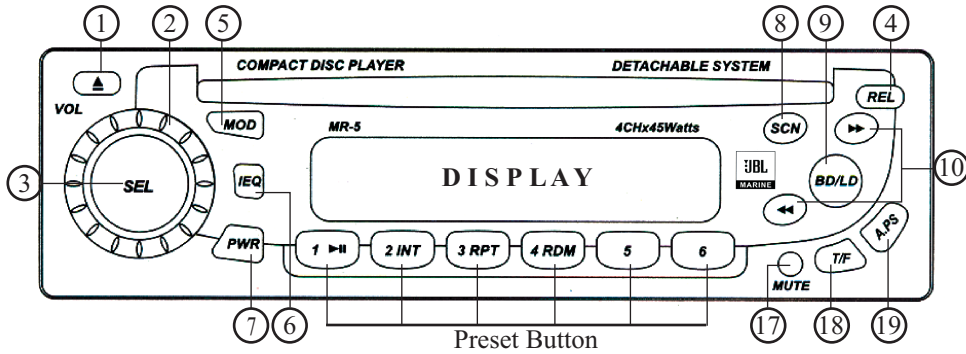
Press MUTE button (17) to mute sound, press again to restore volume to original setting.



Operating The Radio

1. Press the **BD/LD** button (9) to select the desired band FM, FM2, FM3, AM1, AM2.
2. **Manual / Seek Turning Buttons (10):** Press this button quickly to activate the Seek mode. Then the Seek mode will automatically seek up or down the wave band and stop at the next station of sufficient signal strength. Press this button (10) for longer than 2 seconds to advance the tuning up or down the save band.

JBL MARINE STEREO OPERATION MANUAL



3. Manual Station Store: Select the desired band and tune to a radio station to be memorized. Choose the present button memory location 1-6 into which the station is to be stored and press and hold that preset button 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.

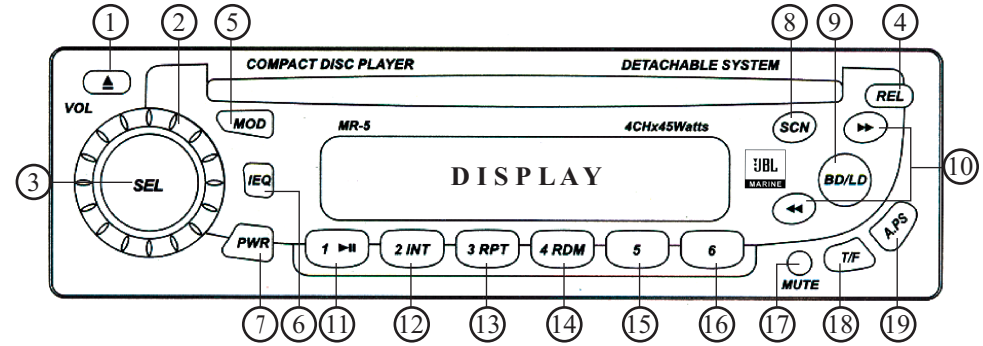
4. APS. Auto Store Function. (19)
Depress and hold button (19) for approximately 2 seconds until you hear a signal. Which confirms the memory function is complete and the display shows "SEARCH". Automatically six strong stations are stored on the station buttons 1 - 6. You can override the present station on any button by manually setting a new frequency.

5. Scan (8)
Scan strong stations for previewing, at desired station press "SCAN (8)" button again to stop scan.

6. Program Memory Scan
Press the preset button among 1-6 to find the memorized radio stations.

7. Stereo - / Mono - Reception
After turning on the unit is prepared for stereo reception. If you now receive a FM-station which airs a stereo broadcast in the course of its program the corresponding indication appears on the display.

JBL MARINE STEREO OPERATION MANUAL



Operating The CD Player

1. Select the RADIO / CDP / AUX by pressing the "MODE" Button (5) in sequence.

2. Play / Pause (11)
Push to pause and push again to resume play.

3. Track Tuning (10)
Search the Track on the DISC by <<, >> button. If you press << or >> button continuously, the track goes fast - Forward or Rewind.

4. Intro Scan (12)
Press this button to hear the first 10 seconds of each track on the disc. Press this button again to restore the player to its normal play mode.

5. Repeat Play Button (13)
While playing a desired track, press the RPT button to play the track repeatedly. Press the RPT button again to return back to normal play mode.

6. Random Play button (14)
Press the RDM button to play all tracks on a CD disc in a random sequence. Press the RDM button again to return the play to normal mode.

Precaution and Maintenance

1. Reset function

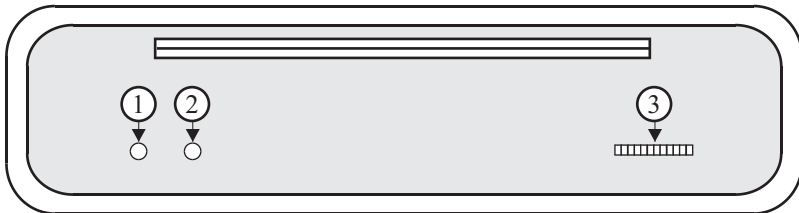
A microprocessor reset button has been provided to facilitate manual resetting of the internal microprocessor. In the unlikely event that the player fails to operate correctly refer to step 3 below.

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

2. General Precautions

If the unit has become extremely hot we strongly recommend that you allow it to cool down before using. Take care of your CD DISC to preserve the quality of the recording. Do not allow them to be exposed to direct sunlight. Store them to place protected from dirt and dust and avoid handling them with oily, grease or wet hands. Be sure the CD is put into the CD slot label side up.

3. Caution



- ① **RESET:** If you are faced with a malfunction during the operation, simply press the reset button.
- ② **LED:** It flashed when the faceplate is removed.
- ③ **CONNECTOR PIN:** Keep connector pin clean.

Trouble Shooting Guide

INTERFERENCE ON RADIO

Poor atmospheric conditions - Try again later in the day.
Antenna / lead broken or damaged.

DISTORTED AUDIO

Check loudspeaker wiring. This product contains a biamp. It is important not to connect the front loudspeaker ground to the rear speaker ground.

Faulty loudspeaker.

Distortion at highest volume levels may be normal, as amplifier has reached maximum power output. Otherwise the power and ground wire might be too small of a gauge. (Use 10 amp cable or more).

Reduce the bass effect or switch off the loudness mode.

Specifications

FM TUNER

Tuning Range : 87.5 - 107.9MHz (USA)
87.5 - 108MHz (EUR)

Sensitivity : 10dB / uV
Separation : 30dB

AM TUNER

Tuning Range : 530 - 1710MHz (USA)
522 - 1620MHz (EUR)

Sensitivity : 35dB / uV

COMPACT DISC

Freq. Response : 20 Hz-20 KHz
Total Harmonic Distortion : 0.8%
Signal - Noise Ratio : 65 dB
Dynamic Range : 90 dB

AUDIO AMP & GENERAL

Power Output : 4 x 45 watts
Power Supply: DC + 12V
Negative Ground
Speaker Impedance : 4-8Ohm