powerbass XTREME ®

MC-100

Marine Grade Digital Media Center
with LCD Display

Application Guide

Please read through this manual to familiarize yourself with your new speakers. Should your PowerBass Xtreme Marine Media Center ever require service, you will need to have the original dated receipt.

Congratulations on your purchase of PowerBass Xtreme Marine Media Center. You now own a product of uncompromising design and engineering from a factory that truly believes in the relentless pursuit of perfection. Incorporating the highest quality parts and state-of-the-art materials.
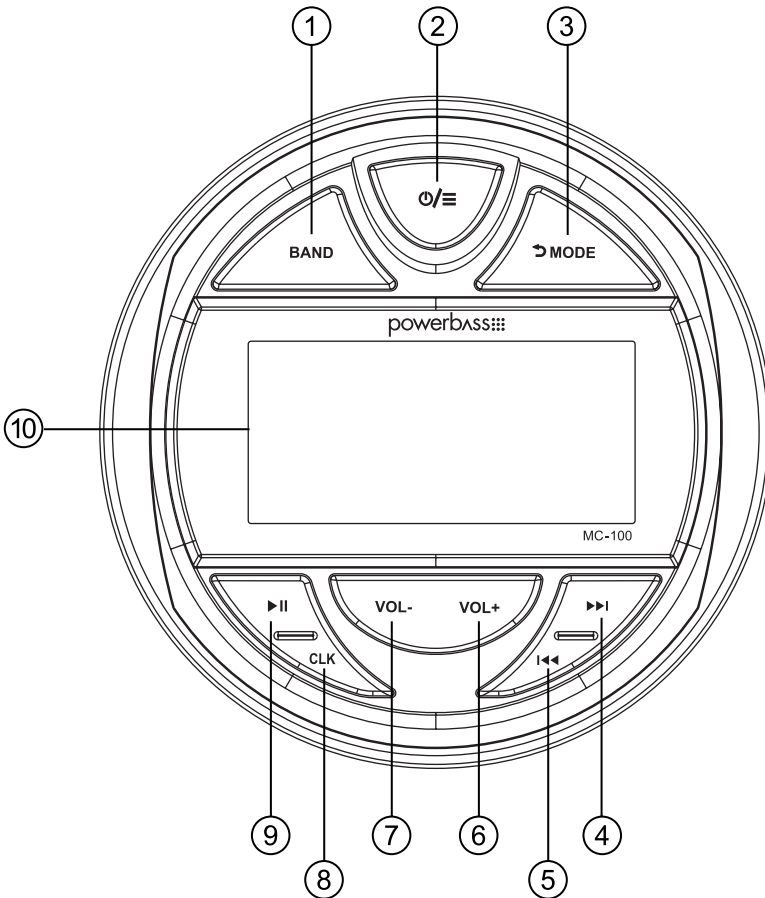

At PowerBass USA, Inc. we are confident you will have many years of outstanding enjoyment from this great investment. For maximum performance we recommend that you have your new PowerBass Xtreme product installed by an Authorized PowerBass Xtreme Dealer.

To learn more about PowerBass, please visit us on the World Wide Web at
http://www.powerbassusa.com

KEY FUNCTION

1. **BAND AM/FM/Weather Button**
2. **POWER/MENU Button**
3. **MODE/BACK Button**
4. **SEEK / TRACK UP Button**
5. **SEEK / TRACK DOWN Button**
6. **VOLUME+ Button**
7. **VOLUME- Button**
8. **CLOCK Button**
9. **PLAY/PAUSE Button**
10. **LCD Display**

OPERATION

TURNING ON THE UNIT
Press the **POWER/MENU** button to turn on the MC-100. To turn off the MC-100, press and hold for 2 seconds and the MC-100 will power off.

SOUND AND SETTING ADJUSTMENT
Shortly press the **POWER/MENU** button to enter the menu as shown below:
BAS - TRE - BAL _ FAD _ EQ - LOUD (on/off) - BEEP (on/off) - CLOCK (12/24) - P_VOL - CT (indep/sync) - AREA (USA/EUR)

In each menu press the **VOL+ / VOL-** button to make your selection. Press **MODE/BACK** button to exit the settings menu.

Loud (on/off)
Turns on/off the loudness function.

Clock (12/24)
Sets the time to 12 hour or 24 hour format.

P-VOL (Preset VOLUME)
With this setting the MC-100 will turn on at a desired volume level. When you have adjusted the listening volume to be higher than this setting and powered off the MC-100, it will then power back up at the set P-VOL level.

CT (Clock Time):
CT INDEP: The clock works independently. It is not synchronized to the station's time.
CT SYNC: When receiving a RDS station. The clock will be synchronized to the station's time.
Note: When manually setting the time. The CT setting will revert back to **INDEP** mode automatically.

Area (USA/EUR)
Choose America or Europe region.

Clock Setting
Press and hold **CLK** button for 2 seconds. The "HH" will flash. Press VOL+/- button to change the hour. Next, press **CLK** button the "MM" will flash. Press VOL+/- button to change the minutes. Finally, press **CLK** button to confirm. **Note:** When manually setting the time, the CT setting will revert back to **INDEP** mode automatically.

Reset The Unit
In AUX mode press and hold **SEEK/TRACK UP** button for 5 seconds to perform a reset.

Reasons for a reset include:
a) Some buttons do not operate properly.
b) Error symbol shown on the display.
Note: if the **RESET** function is activated, memory and user settings will be lost.

OPERATION (cont.)

RADIO OPERATION

Press **MODE** button to select radio mode. Then press **BAND** button to select desired band. Shortly press **SEEK UP/DOWN** button to select the desired radio station. Press and hold **SEEK UP/DOWN** button to advance to the desired frequency.

Auto Store Stations:

Press **BAND** button for 2 seconds to auto store stations to band 1~3.

Manually store station & recall preset station

Press and hold the **PLAY/PAUSE** button. The display will show "SAVE CH1". Press **VOL+/-** button to select channel then press **POWER/MENU** button. The station will be saved.

Listening to Saved Radio Presets

Pressing the **PLAY/PAUSE** button to scroll through the presets.

USB OPERATION

When inserting a USB drive, the MC-100 will play the MP3/WMA files automatically. If a USB drive is already inserted, press the **MODE** button shortly until the USB mode appears on the display.

Select File / Fast Forward & Rewind

Press **TRACK UP/DOWN** button to skip to next/previous file. Hold **TRACK UP/DOWN** button to fast forward or rewind.

Play/Pause

Press button to pause or play the file.

Search Song

Press **BAND** button to select song search mode. DIR SCH or NUM SCH.

1) Press **BAND** button one time. The display will show "DIR SCH". Press **VOL+ / VOL-** button to select the folder then press **POWER/MENU** knob on the folder. To select a song, press the **VOL+ / VOL-** button to select song to play.

2) Press **BAND** button two times. The display will show "NUM SCH" Press the **VOL+ / VOL-** button to enter numbers. (Enter the hundreds digit first, wait 3 seconds -> Enter the tens digit, wait 3 seconds -> Enter the units digit -> press **POWER/MENU** button to confirm)

iPhone / MP3 Device USB Connection

Connect your iPhone or similar device to the USB port of the MC-100 via a USB cable. The operation and functions are the same as the above USB operations.

OPERATION (cont.)

BLUETOOTH OPERATION

Pairing

On your mobile phone or Bluetooth enabled device, search for Bluetooth device. "MC-100" should appear in the list, select "MC-100" and then input the password "0000" if prompted for a password. When successfully paired, the BT icon will be displayed on the LCD display.

Bluetooth Audio

Press the **MODE** button to switch to BT mode.
Note: The MC-100 will begin playing media from your phone or device automatically.
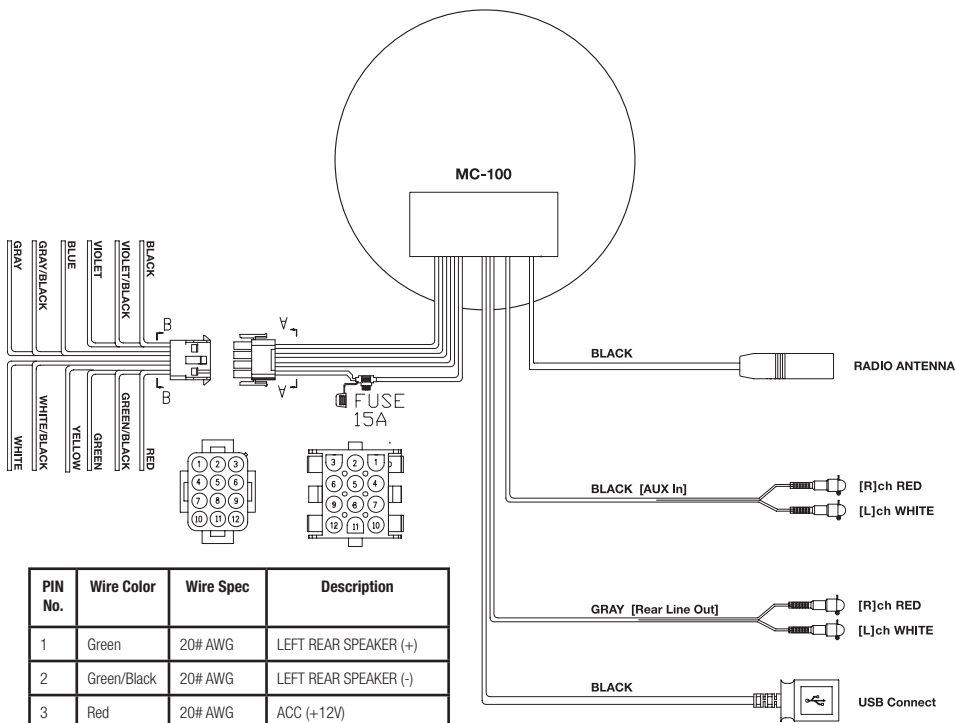
Press **PLAY/PAUSE** button to pause/play songs. Press the **TRACK UP/DOWN** button to select the next/previous song.

Disconnect / Re-Connect Bluetooth

When your mobile phone or device is paired with the MC-100, press and hold the **MODE** button for 2 seconds to disconnect/re-connect the Bluetooth.

For additional operation instructions please reference the Key Function page.
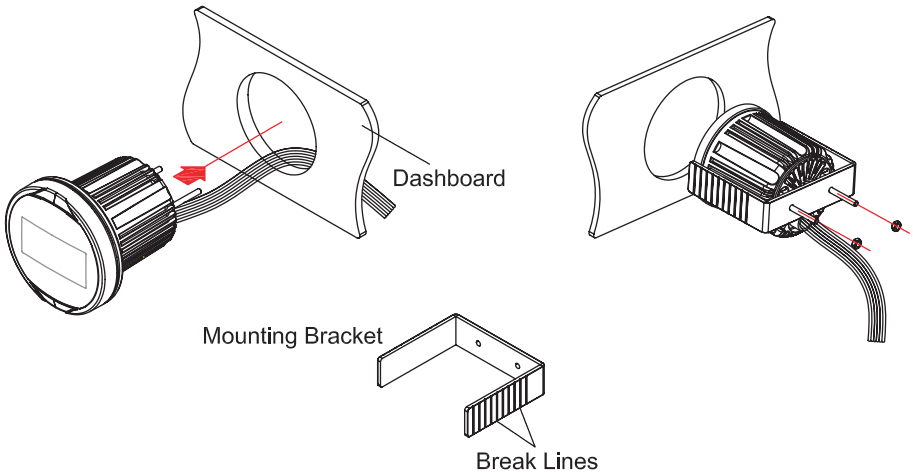
INSTALLATION

PIN No.	Wire Color	Wire Spec	Description
1	Green	20# AWG	LEFT REAR SPEAKER (+)
2	Green/Black	20# AWG	LEFT REAR SPEAKER (-)
3	Red	20# AWG	ACC (+12V)
4	White	20# AWG	LEFT FRONT SPEAKER (+)
5	White/Black	20# AWG	LEFT FRONT SPEAKER (-)
6	Yellow	16# AWG UL	BATTERY (+)
7	Gray	20# AWG	RIGHT FRONT SPEAKER (+)
8	Gray/Black	20# AWG	RIGHT FRONT SPEAKER (-)
9	Blue	20# AWG	POWER AMP REMOTE ON
10	Violet	20# AWG	RIGHT REAR SPEAKER (+)
11	Violet/Black	20# AWG	RIGHT REAR SPEAKER (-)
12	Black	16# AWG UL	GROUND

1. The MC-100 can only be connected to a 12V DC cathode grounding electrical system.
2. Do not connect the terminals of the battery until the MC-100 installation is complete.
3. Please make sure to connect the yellow wire directly to the positive terminal at the battery(+).
4. When changing the fuse, please make sure to disconnect the battery terminals.

MOUNTING

Once a suitable location has been determined, Cut out the mounting hole and secure the MC-100 using the supplied metal mounting bracket. If the bracket needs to be shortened, remove the appropriate number of breakaway segments using a pair of pliers.

Dashboard

Mounting Bracket

Break Lines

1. The MC-100 should be installed by professional technician.

2. Please read the instructions and operation of equipment carefully before installing.

3. Make sure to connect other wires before the power connection.

4. To avoid short circuit, please make sure all the exposed wires are insulated.

5. Please secure all wires for final installation.

6. Please make all connections to the MC-100 according to this instruction manual. Improper connection may cause damage to your vehicle's electrical system or the MC-100.

SPECIFICATIONS

Power Supply Requirements:
DC 12 Volts, Negative Ground

Chassis Dimensions:
115mm(W) x 115mm (D) x 75mm(H)

Tone Controls
Bass (at 100 Hz): ±10 dB
Treble (at 10 kHz): ±10 dB

Output Power:
4 x 20 watts RMS
4 x 40 watts MAX

Current Drain:
10 Ampere (max.)

RADIO FM
Frequency Coverage: 87.5 to 108 MHz
IF: 10.7 MHz
Sensitivity: 4µV (S/N=30dB)
Stereo Separation: >25dB

RADIO AM
Frequency Coverage: 520 to 1710 kHz
IF: 450 KHz
Sensitivity: 36dBuV (S/N=20dB)

TROUBLESHOOTING

Before going through the checklist, check wiring connection. If any of the problems persist after checklist has been made, consult your nearest service dealer.

Symptom	Cause	Solution
No power	The car ignition switch is not on.	If the power supply is connected to the car accessory circuits, but the engine is not moving, switch the ignition key to "ACC".
	The fuse blown.	Replace the fuse.
No sound	Volume is in minimum	Adjust volume to a desired level.
	Wiring is not properly connected.	Check wiring connection.
The operation keys do not work	The built-in microcomputer is not operating properly due to noise.	Press the reset button.
The radio does not work. The radio station automatic selection does not work	The antenna cable is not connected.	Insert the antenna cable firmly.
	The signals are too weak.	Select a station manually.

POWERBASS ELECTRONICS
LIMITED WARRANTY POLICY

PowerBass USA, Inc. offers limited warranty on PowerBass products under normal use on the following terms:

PowerBass Xtreme Electronics are to be free of defects in material and workmanship for a period of one (1) year.

This warranty applies only to PowerBass products sold to consumers by Authorized PowerBass Dealers in the United States of America. Products purchased by consumers from a PowerBass dealer in another country are covered only by that country's Distributor and not by PowerBass USA.

This warranty covers only the original purchaser of PowerBass product. In order to receive service, the purchaser must provide PowerBass with the receipt stating the consumer name, dealer, product and date of purchase.

Products found to be defective during the warranty period will be repaired or replaced (with a product deemed to be equivalent) at PowerBass's discretion and will not be liable for incidental or consequential damages. PowerBass will not warranty this product under the following situations:

- **Amplifiers received with apparent rust or corrosion**
- **Any evidence of liquid damage or exposure to excessive heat**
- **Attempted repairs or alterations of any nature**
- **Product that has not been installed according to this owners manual**

Any implied warranties including warranties of fitness for use and merchantability are limited in duration to the period of the express warranty set forth above. Some states do not allow limitations on the length of an implied warranty, so this limitation may not apply. No person is authorized to assume for PowerBass any other liability in connection with the sale of this product.

Please call (909) 923-3868 for PowerBass Customer Service. You must obtain an RA# (Return Authorization Number) to return any product to PowerBass. The RA number must be prominently marked on the outside of the shipping carton or the delivery will be refused. Please pack your return carefully; we are not responsible for items damaged in shipping. Return the defective product along with a copy of the original dated retail sales receipt, plus $12.00 for handling and diagnostic evaluation to:

PowerBass USA, Inc.,
Attn: Returns (RA#_____)
2133 S. Green Privado, Ontario, CA 91761

Residents of HI, AK and US territories will be charged for return shipping. All inquires regarding service and warranty should be sent to the above address.

<u>Removed or altered serial numbers will void this warranty</u>

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