Clarion®

QUICK START GUIDE
GUIDE DE DÉMARRAGE RAPIDE
GUÍA DE INICIO RÁPIDO

M508

MARINE Bluetooth® USB/MP3/WMA RECEIVER
MARINE Bluetooth® RÉCEPTEUR USB/MP3/WMA
RECEPTOR MARINE Bluetooth® USB/MP3/WMA

Contents

Thank you for purchasing this **Clarion** product.
• Please fully read this owner's manual before operating this equipment.
• Check the contents of the enclosed warranty card and store it in a safe place with this manual.

English

Precautions

⚠ WARNING
For your safety, the driver should not operate the unit while driving.   Also, while driving, keep the volume to a level at which external sounds, such as sirens and voices can be heard.

1. When the interior of the boat is extremely cold and the player is used soon after switching on the heater, moisture may form on the internal circuitry of the player and proper playback may not be possible. If moisture forms inside of the player, do not use the player for about one hour. The condensation will disappear naturally allowing normal operation.

2. This unit uses precision parts and components for its operation. In the event of any operating issues, never open the case, disassemble the unit, or lubricate the rotating parts. Contact your Clarion dealer or service center.

3. FCC STATEMENT
   1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
   (1) This device may not cause harmful interference.
   (2) This device must accept any interference received, including interference that may cause undesired operation.
   2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
   NOTE:
   This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
   This equipment uses and can radiate radio frequencies, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
   • Reorient or relocate the receiving antenna.
   • Increase the separation between the equipment and receiver.
   • Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
   • Consult the dealer or an experienced radio/TV technician for help.
   FCC Radiation Exposure Statement
   This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the unit and your body

4. "Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or 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 iPod or iPhone may affect wireless performance.
   iPod and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries.

Precautions

Supported iPod/iPhone devices:
   iPhone 5S
   iPhone 5C
   iPhone 5
   iPhone 4s
   iPhone 4
   iPhone 3GS
   iPod Touch (5G)
   iPod Touch (4G)
   iPod Touch (3G)
   iPod nano (7G)
   iPod nano (6G)

5. Pandora, the Pandora logo, and the Pandora trade dress are trademarks or registered trademarks of Pandora Media, Inc. used with permission. Pandora is only available in certain countries. Please visit pandora.com/legal for more information.
   If you have any issues with the Pandora application on your mobile phone, please direct them to pandora-support@pandora.com.

6. The Bluetooth word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Clarion Co., Ltd is under license. Other trademarks and trade names are those of their respective owners.

7. Sirius, XM and all related marks and logos are trademarks of Sirius XM Radio Inc. All rights reserved.

8. IC warning
   This device complies with Industry Canada licence-exempt RSS standard(s).
   Operation is subject to the following two conditions:
   (1) This device may not cause interference.
   (2) This device must accept any interference, including interference that may cause undesired operation of the device.
   Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
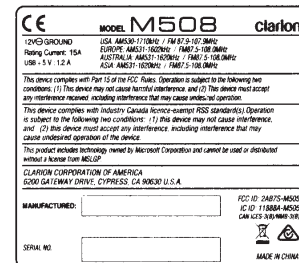
INFORMATION FOR USERS:

Changes or modifications to this product not approved by the manufacturer will void the warranty and will violate FCC approval.

Operational Panel

Diagram labels: [MENU] [Φ/ SRC] [►II] [I◄◄/►►I] USB PORT [⊇SUB] [I⌐♪] [BAND] [1 ~ 6] [DISP] AUX INPUT [VOLUME] [ENTER/MUTE]
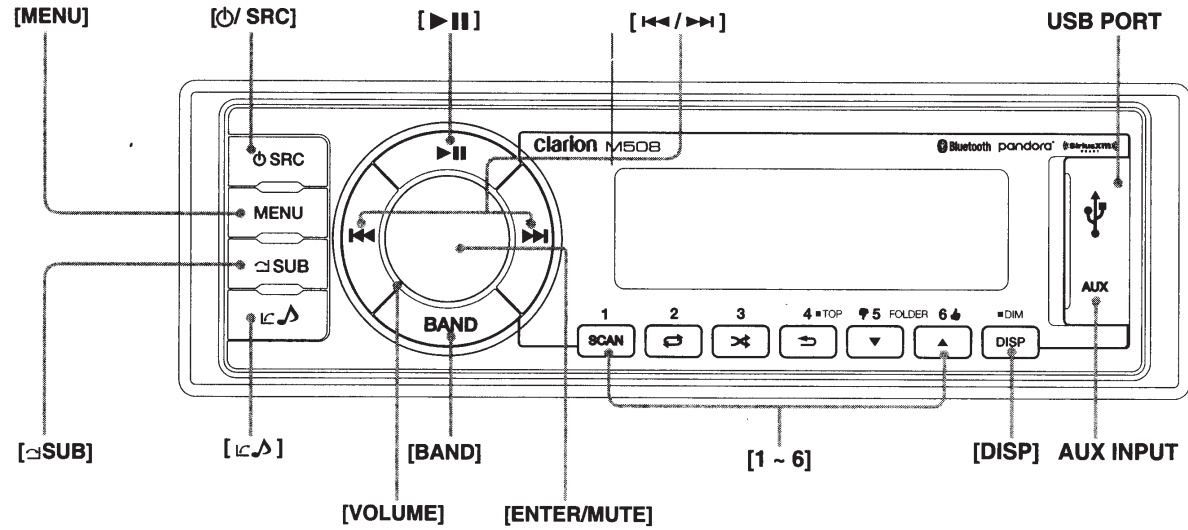
Names of Buttons

[Φ / SRC] Button
- Toggle the audio source.
- Power On/Off (Press and Hold).

[VOLUME / ENTER / MUTE] Knob
- Rotate to adjust volume level.
- Mute or Unmute the audio output (SP)
- Display Off, LCD screen only (LP).
- Press to confirm operation

[MENU (SP)] Button
- **Tuner** mode – Auto Store / Preset Scan
- **USB** mode – Search function
- **iPod** mode – iPod menu / iPod control (Press and Hold)
- **Pandora** mode – Pandora menu.
- **SiriusXM** mode – SiriusXM menu

[MENU (LP)] Button
- System menu

[⊇ SUB] Button
- Adjust the Subwoofer Gain or Turn On the Subwoofer function.
- **BT** - End Call

[I⌐ ♪] Button
- – Audio Settings
- **BT** - Answer Call

[►II] Button
- **USB/iPod/Pandora/Bluetooth** - Play / Pause
- **SiriusXM** – Start Instant Replay Mode (SP). In Instant Replay mode, (SP) for Play/pause or (LP) for Live mode.

[I◄◄ / ►►I] Buttons
- **Menu** – Press to page up or down.
- **Tuner** mode – (SP) Station Up/Down, (LP) Scan Up/Down.
- **SiriusXM** mode – (SP) Channel Up/Down, (LP) Rapid Channel Up/Down
  SiriusXM Instant Replay - Skip forward or skip backwards, hold to fast forward/rewind 5/10/30 seconds.
- **USB/iPod** – Press for next or previous track, Press and hold to fast forward or rewind.
- **BT** – Press for next or previous track, Press and hold to fast forward or rewind.
- **Pandora** – Press ►►I to skip track.

[BAND] Button
- **Tuner** mode - Select Tuner band FM1/FM2/FM3/AM1/WB
- **SiriusXM** mode - Select Tuner band SXM1/SXM2/SXM3. (LP) to enter Category browse mode.
- **iPod** mode - (LP) Simple mode

[1~6] Button
- [1] Button - Scan/Preset Station 1
- [2] Button - Repeat play/Preset Station 2
- [3] Button - Random play/Preset Station 3
- [4] Button - Preset station 4/Top play in digital source
  Menu – (SP) Back one level in the menu. (LP) exit out of Menu
- [5] Button - Preset station 5/Previous folder/ Pandora mode - Thumbs down
- [6] Button - Preset station 6/Next folder/ Pandora mode - Thumbs Up

[DISP/DIM] Button
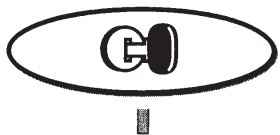- Adjust LCD backlight level, High or Low (LP)/Display information for digital sources (SP)

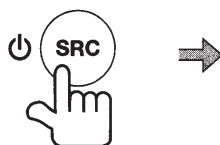**[USB] Port**
- USB Type A

[AUX input] Port
- 3.5mm Stereo plug

Turning the Power On

Start the engine. The power is supplied to this unit.

Press [⏻ / SRC] button on the panel to turn on the unit.

⏻ (SRC) ➡️ `CLARION`

Selecting a Source

Press the [⏻ / SRC] button change the operation mode.

`FM` ➡ ⏻ (SRC) ➡️ `SIRIUSXM`

Sources are displayed in the following order: TUNER, SIRIUSXM, USB/IPPOD, PANDORA, AUX IN, BT AUDIO.

Mute

Press the [MUTE] button to turn the mute ON and OFF.

`FM 1 TUNER 1079 p.4` ➡ ➡️ `MUTE`

Volume Adjustment

Rotate the [VOLUME] knob on the front panel to increase / decrease the volume.
The adjustable range of volume is 0 to 46.

UP/DOWN ➡️ `VOLUME 23`
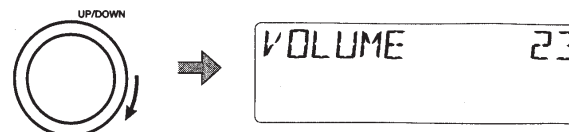
NOTE: While boating, keep the volume at a level at which external sounds can still be heard.

Display System Information

Press the [DISP] button on the front panel to switch the display inforation, System time and playing source.

Display OFF/ON

This feature will allow the user to turn the display OFF in the event the display is too bright in different lighting conditions.

To use this feature, please follow these steps:

1. To turn the display OFF, press and hold the [MUTE] button and the display will turn OFF, but the audio from the current source will continue to play.

2. To turn the display ON, press any button and the display will turn back ON.

English

Tuner Operations

Selecting Tuner Mode

Press [⏻ **SRC**] button to select the TUNER mode.

Manual Tune

During manual tuning, the frequency will be changed in steps according to selected region.
Press the [I◄◄] or [►►I] button to tune to a lower / higher station.

Seek Tune

Press and hold the [I◄◄] or [►►I] button to seek a lower / higher station.

NOTE:

When a station is received, searching stops and the station is played.

Saving a Preset Station

When deciding to save a radio station, press and hold an available preset 1~6 to store the station to memory.

Recalling a Stored Preset Station

Press 1 ~ 6 on the front panel to select the corresponding stored station.

Auto Store

The unit stores the strongest stations found as presets.
Short Press the [**MENU**] button and select Auto Store by pressing the ENTER/Volume button to start automatic station search.
To stop auto store, press other buttons having radio functions.

NOTE:

After auto store, the previous stored preset stations will be overwritten.

USB Operations

Play/Pause a Track

1. Press the [►II] button to play or pause audio playback.

Selecting a Track

Track-up
1. Press the [►►I] button to move to the beginning of the next track.
2. Each time the [►►I] button is pressed, playback proceeds to another track in the advancing direction.

Track-down
1. Press the [I◄◄] button to move to the beginning of the current track.
2. Each time the [I◄◄] button is pressed, playback proceeds to previous track in the reverse direction.

Fast-forward/Fast-reverse

Fast-forward
Press and hold the [►►I] button.
Fast-reverse
Press and hold the [I◄◄] button.

NOTE:

USB devices containing a large amount of audio files can take several moments to begin the search and increase the delay between tracks. Additionally, some errors may occur during playback.

Connecting to your device

iPod/iPhone

Connect an iPod or iPhone to the USB connector via accessory cable for iPod/iPhone.
When connecting a device, the unit will read the files automatically. The track information displays on the screen once playback starts.

Pandora®

You can stream Pandora internet radio by connecting an iOS (USB or Bluetooth) or Android device (Bluetooth only) that has the Pandora mobile application already installed.

To start streaming, Press the [⏻ **SRC**] button until Pandora is selected. Once selected and "Please launch Pandora application on mobile device" is displayed, launch the mobile app on your connected device.

Bluetooth Operations

BT Pairing

1. Turn on Bluetooth function of your mobile device.
2. Enter mobile device's Bluetooth setup menu.
3. Search for new Bluetooth devices.
4. Select **M508** from the pairing list on the mobile device.
5. After pairing successfully, "**BT CONNECTED**" will appear on the display.
6. Press [⏻ **SRC**] button to select "**BT**".

Play/Pause a Track

1. Press the [►II] button to play or pause audio playback.

Selecting a Track

Track-up
1. Press the [►►I] button to move to the beginning of the next track.
2. Each time the [►►I] button is pressed, playback proceeds to another track in the advancing direction.

Track-down
1. Press the [I◄◄] button to move to the beginning of the current track.

2. Each time the [I◄◄] button is pressed, playback proceeds to previous track in the reverse direction.

Fast-forward/Fast-reverse

Fast-forward
Press and hold the [►►I] button.
Fast-reverse
Press and hold the [I◄◄] button.

NOTE: If the mobile device does not support SSP (Simple Secure Pairing) Profile, please enter the pass code of "0000".

SiriusXM Satellite Radio Operations

Displaying the Radio ID

Before you listen to satellite radio, you must subscribe to the service using the SiriusXM Radio ID number.
1. Press the [⏻/SRC] button to enter SiriusXM mode.
2. Press the [I◀◀] or [▶▶I] buttons and select channel "0". The Unit displays the Radio ID.

NOTE:
1. The Radio ID is also located on the bottom of the SiriusXM Connect Vehicle Tuner.
2. Please note that the SiriusXM Radio ID does not include the letters I, O, S or F.
3. In the USA, to activate the SiriusXM Connect Vehicle Tuner go online to www.siriusxm.com/activatenow or call 1-866-635-2349.
4. In Canada, to activate the SiriusXM Connect Vehicle Tuner go online to www.siriusxm.ca/activatexm or call 1-877-438-9677.

Channel Tune

1. Press the [▶▶I] button to advance to the next channel.
2. Press the [I◀◀] button to go to the previous channel.

Storing Channel Presets

1. Press the [BAND] button to select the desired band you want to store the preset in. There are 3 preset bands available.
2. Tune to the desired channel, press and hold one of the preset buttons (1~6) to store the channel.
3. Repeat the procedure to store up to 5 other channels on the same band.

NOTE:
• A total of 18 channels can be stored in the preset memory, 6 channels for each band (SXM1, SXM2, and SXM3).
•

Tuning To Channel Presets

1. Press the [BAND] button to select the desired band of presets you wish to access.
2. Press the preset button (1~6) that has your desired radio channel stored to memory.

SiriusXM Replay function

The Replay feature allows you to pause, rewind, and replay live SiriusXM Satellite Radio.
1. While listening to a SiriusXM channel, press the [▶II] button to enter Replay mode. The display will show "PAUSE" when entering this mode.
2. Press the [▶II] button to resume playback of the stored audio from the point at which it was paused. During playback, the SiriusXM Tuner will continue to store the channel audio until you exit the Replay mode.

During REPLAY playback
• Fast rewind: Press and hold [I◀◀]
• Fast forward: Press and hold [▶▶I]
• To return to the beginning of the current song press [I◀◀]
• To advance to the beginning of the next song press [▶▶I].

NOTE:
• If you continue to press the [▶▶I] button until the end, the Replay mode is canceled, and the unit will change to live SiriusXM radio mode.
• If you change channels while in Replay mode, the unit will exit Replay mode to live Satellite mode and clear the Replay memory.

Jump to Live
Long Press the [▶II] button to go to Live Signal.

SiriusXM Settings
Press the [MENU] button while in SiriusXM mode to access SiriusXM settings.

Category Browse

1. Press and hold the [BAND] button to activate the Category Browsing mode.
2. Rotate the [VOLUME] knob to select desired Category.
3. Press [I◀◀] or [▶▶I] buttons to select desired channel within the selected Category. You can see channel name, Channel Number, Artist, Song Title or Content Info by pressing [DISP]
4. Press [ENTER/Volume] to tune to selected channel.
Note:
If no operation is performed for 10 seconds, the Category Browsing mode is canceled.

Parental Controls:

The SiriusXM Parental Control feature allows you to prevent unauthorized access to mature content channels. When enabled the Parental Control feature requires you to enter a passcode to tune to the locked mature content channels. Information on setting up the passcode, setting up the mature content channels to be locked, and the method to access the locked channels is described below.

Lock/UnLock

1. Short Press the [MENU] button to access the SiriusXM Menu
2. Press the [I◀◀] or [▶▶I] button to select "MATURE CH".
3. Rotate the [VOLUME] knob to select the "LOCK" or "UNLOCK"
4. Press the 1 ~ 6 buttons to enter passcode.

Parental Passcode

1. Press the [MENU] button to access the SiriusXM Menu.
2. Press the [I◀◀] or [▶▶I] button to select "PARENTAL".
3. Press the [ENTER/Volume] button to access the change passcode mode.
4. Press the 1~6 buttons to enter Old passcode and then the NEW passcode.
5. To confirm the New passcode, enter it a

second time.
6. If the passcode change is successful, the LCD will display "SUCCESSFUL"
NOTE:
The default passcode set for the Parental lock is 1111.

Direct Tuning

1. Short Press the [MENU] button to access the SiriusXM Direct Tuning mode.
2. Press the [I◀◀] or [▶▶I] buttons to change the digit location to rotate the [VOLUME] knob to change the number.
3. Press the [MUTE] button to confirm channel number selection.

Changing the Display

Text information, such as the channel name, artist name, song title and content info is available with each SiriusXM channel. The unit can display this text information as explained below:
In SiriusXM mode, press the [D I S P] button. Each time you press this button, the display changes as shown below:
Channel Name->Artist Name->Song Title->Content Info->Category Name->Clock
Note: If no text is available, nothing will be displayed.

SiriusXM Signal

1. Press the [MENU] button to access the SiriusXM menu.
2. Press the [I◀◀] or [▶▶I] button to select "SXM SIGNAL"

Software Updates

Please periodically check the Clarion website for software updates and improvements for your Clarion product. These updates can be found under the "Get Support" tab, then "Software Update / Download".

Clarion Co., Ltd.

Clarion®

Owner's manual & Installation manual
Mode d'emploi et manuel d'installation
Manual de usuario y Manual de instalación

M508

MARINE Bluetooth® USB/MP3/WMA RECEIVER
MARINE Bluetooth® RÉCEPTEUR USB/MP3/WMA
RECEPTOR MARINE Bluetooth® USB/MP3/WMA

Contents

English

Owner's Manual

1. FEATURES

- SiriusXM-Ready™
- Weather Band Radio
- 3.5mm Aux Input & Front USB Port

- Built-In Bluetooth®
- 50Wx4 Built-In Amplifier
- Compatible with iPod®/iPhone®

USB | **Bluetooth**® | **(((SiriusXM)))** READY | **pandora**®

Plays Windows Media™ | **MP3/WMA** | Made for iPod iPhone | **Qualcomm**® aptX™

2. PRECAUTIONS

⚠ WARNING

For your safety, while boating, keep the volume to a level at which external sounds can be heard.

1. This unit has precision parts inside. Even in the event that trouble arises, never open the case, disassemble the unit, or lubricate the parts.
2. FCC STATEMENT
2.1 This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
   (1) This device may not cause harmful interference.
   (2) This device must accept any interference received, including interference that may cause undesired operation.
2.2 Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement
This equipment complies with the FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator & your body
3. IC warning
3.1 This device complies with Industry Canada licence-exempt RSS standard(s).
   Operation is subject to the following two conditions:
   (1) This device may not cause interference, and
   (2) This device must accept any interference, including interference that may cause undesired operation of the device.
3.2 Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
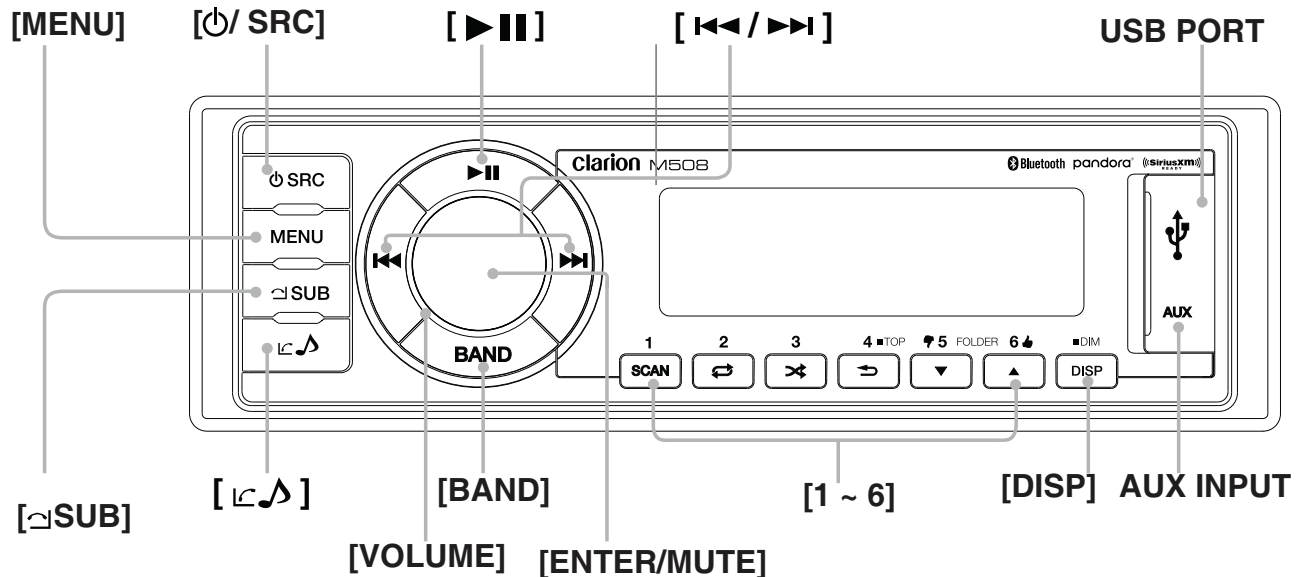
CE 0700 | MODEL **M508** | **clarion** moves you • connects you

12V ⊖ GROUND
Rating Current: 15A

USA: AM530-1710kHz / FM 87.9-107.9MHz
EUROPE: AM531-1602kHz / FM87.5-108.0MHz
AUSTRALIA: AM531-1620kHz / FM87.5-108.0MHz
ASIA: AM531-1620kHz / FM87.5-108.0MHz

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interfe rence, and (2) This device must accept any interference received, including interference that may cause undesired operation.

This device complies with Industry Canada licence-exempt RSS standard(s).Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This product includes technology owned by Microsoft Corporation and cannot be used or distributed without a license from MSLGP.

CLARION CORPORATION OF AMERICA
6200 GATEWAY DRIVE, CYPRESS, CA 90630, USA

MANUFACTURED:

SERIAL NO.

FCC ID: 2AB7S-M508
IC ID: 11888A-M508
CAN ICES-3(B)/NMB-3(B)

MADE IN CHINA

3. CAUTIONS ON HANDLING

- Protect from high Temperatures. Exposure to direct sunlight for an extended period of time can produce very high temperature in your vessel. Cool down the interior before starting playback.

4. CONTROLS

Operational Panel

[MENU] [⏻/ SRC] [▶❚❚] [◄◄ / ►►❘] USB PORT

clarion M508   Bluetooth pandora ((SiriusXM))

⏻ SRC

MENU

⌒ SUB

◄◄   ►►❘

BAND

1   2   3   4 ▪TOP   ♥5 FOLDER 6♥   ▪DIM

SCAN   ⇄   ⤨   ⤺   ▼   ▲   DISP

AUX

[⌒SUB]   [↳♪]   [BAND]   [1 ~ 6]   [DISP] AUX INPUT

[VOLUME] [ENTER/MUTE]

Name of Buttons and their Functions

[⏻ / SRC] Button
• Toggle the audio source (Short Press)
• Power On/Off (Press and Hold).

[VOLUME / ENTER / MUTE] Knob
• Rotate to adjust volume level.
• Mute or Unmute the audio output (Short Press)
• Display Off (Press and Hold).
• Press to confirm operation (Short Press)

[MENU (SP)] Button
• **Tuner** mode – Auto Store / Preset Scan
• **USB** mode – Search function
• **iPod** mode – iPod menu / iPod control (Press and Hold)
• **Pandora** mode – Pandora menu.
• **SiriusXM** mode – SiriusXM menu

[MENU (LP)] Button
• System menu

[⌒ SUB] Button
• Adjust the Subwoofer Gain or Turn On the Subwoofer function.
• **BT** - End Call

[↳♪] Button
• – Audio Settings
• **BT** - Answer Call

[▶❚❚] Button
• **USB/iPod/Pandora/Bluetooth -** Play / Pause (Short Press)
• **SiriusXM** – Start Instant Replay Mode (Short Press). In Instant Replay mode, for Play/pause (Short Press) or for Live mode (Press and Hold)

[◄◄ / ►►❘] Buttons
• **Menu** – View additional system settings (Short Press)
• **Tuner** mode – Station Up/Down (Short Press), Scan Up/Down (Press and Hold)
• **SiriusXM** mode – Channel Up/Down (Short Press), Rapid Channel Up/Down (Press and Hold)
   SiriusXM Instant Replay - Skip forward or skip backwards (Short Press), fast forward/rewind 5/10/30 seconds (Press and Hold)
• **USB/iPod** – Next or previous track (Short Press), Fast forward or rewind (Press and Hold)
• **BT** – Next or previous track (Short Press), Fast forward or rewind

(Press and Hold)
• **Pandora** – Press ►►❘ to skip track.

[BAND] Button
• **Tuner** mode - Select Tuner band FM1/FM2/FM3/AM1/WB
• **SiriusXM** mode - Select Tuner band SXM1/SXM2/SXM3.
• **iPod** mode - Simple mode (Press and Hold)

[1~6] Button
• **[1]** Button - Scan/Preset Station 1
• **[2]** Button - Repeat play/Preset Station 2
• **[3]** Button - Random play/Preset Station 3
• **[4]** Button - Preset station 4/Top play in digital source
   Menu – Back one level in the menu. (Short Press)
   Exit out of Menu (Press and Hold)
• **[5]** Button - Preset station 5/Previous folder/ Pandora mode - Thumbs down
• **[6]** Button - Preset station 6/Next folder/Pandora mode - Thumbs Up

[DISP/DIM] Button
• Display information for digital sources (Short Press)/Adjust LCD backlight level, High or Low (Press and Hold)

**[USB] Port**
• USB Type A

[AUX input] Port
• 3.5mm Stereo plug

Notes for use of Optional Remote Control

1. Aim the remote control at the remote sensor on the unit.
2. Remove the battery from the remote control or insert a battery insulator if the battery has not been used for a month or longer.
3. DO NOT store the remote control under direct sunlight or in a high temperature environment, or it may not function properly.
4. Use "button-shaped" lithium batteries "CR2025" (3V) only.
5. DO NOT recharge, disassemble, heat or dispose of the battery in fire or water.
6. Insert the battery in the proper direction according to the (+) and (-) polarities.
7. Store the battery in a place where children can not reach to avoid the risk of accident.

Inserting the Battery
1. Slide the remote control unit's rear cover in the direction shown.
2. Insert the battery (CR2025) into the insertion guides with the side printed (+) facing up.
3. Press the battery into the compartment as shown.
4. Replace and slide the cover until it clicks into place.

Insertion guide
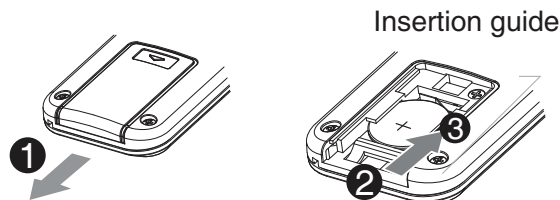
Remote Control

[/SRC] Button
● Toggle the audio source
● Power On / Power Off (Press and Hold)

[/] Button
● Preset up/down, Station up/down (Press and Hold)
● Previous / next track
● Fast Forward / Backward (Press and Hold)
● **Pandora** mode - Skip track

[SCN/PS/AS] Button
● Scan play / Preset scan
● Auto memory store (Press and Hold)
● **SiriusXM mode** - Category Scan / Preset scan (Press and Hold)

[BAND/TOP] Button
● **USB** mode - Top play (Press and Hold)
● **TUNER** mode - Select tuner band
● **SiriusXM** mode - Select tuner band, quit Replay (Replay mode) / Select category (Press and Hold)

[▲ / ▼] Button
● Volume up / down

[▶ǁ] Button
● Play / Pause

[MUTE] Button
● Mute or Unmute the audio output
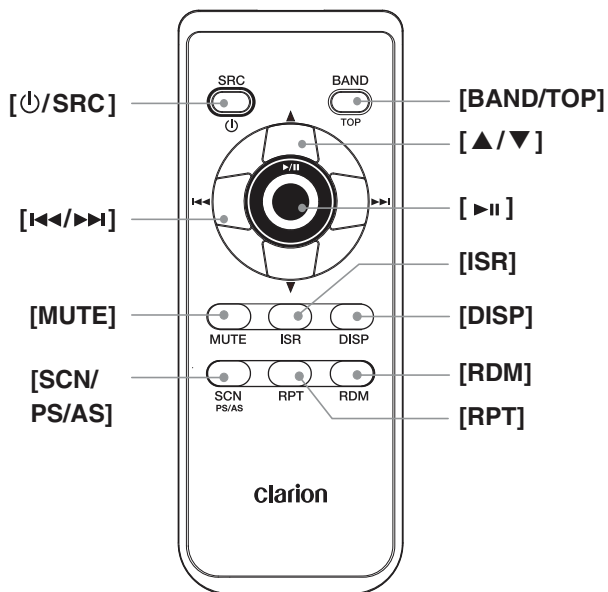
[RDM] Button
● Random play

[RPT] Button
● Repeat play

[ISR] Button
● No function

[DISP] Button
● Display switch

[/SRC] [BAND/TOP]
[/] [▲/▼]
[/] [▶ǁ]
[ISR]
[MUTE] [DISP]
[SCN/ PS/AS] [RDM]
[RPT]

clarion

Optional Wired Remote Control Unit Operations

The following operations are enabled by remote control with the separately sold Wired Remote Control Unit MW1 (shown below), MW2 or MW3.

Note: If the remote control is connected with this unit while the power is on, please restart this unit again to confirm the normal display.

IR-Receiver

[▶/‖ MUTE]   [⊕ VOL]

[⏻ /SOURCE]

[ENTER]

clarion

[⊖ VOL]

[◄], [►]

[▲], [▼]

[MENU/BAND]
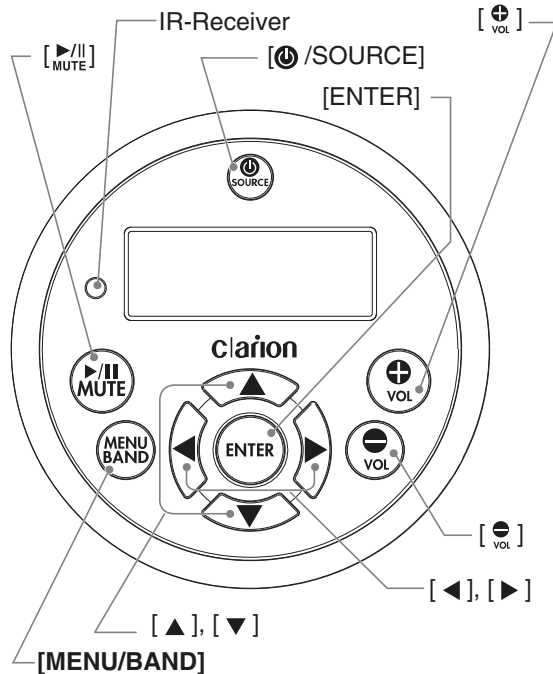
⚠ CAUTION

Lower the volume level before powering the source unit off. The source unit stores the last volume setting.

⚠ WARNING

EXPOSING THE UNIT TO WATER WITH THE FRONT PANEL OPEN WILL CAUSE DAMAGE OR UNIT MALFUNCTION!

[⏻/SOURCE] Button
● Press the **[⏻/SOURCE]** button to turn the power on and press and hold it (2 sec.) to turn the power off.
● Each time the **[⏻/SOURCE]** button is pressed, the mode switches.

Note: If the above equipment is not connected, the corresponding mode cannot be selected.

[ENTER] Button
● **TUNER/Weather Band** mode – Confirm (in Preset and Manual store)
● **USB** mode – Confirm (in Menu mode)
● **iPod/iPhone** mode – Confirm (in Menu mode)
● **Pandora** mode – Confirm (in Menu mode)
● **SiriusXM** mode – Confirm (in Search mode)

[⊕ VOL] / [⊖ VOL] Buttons
● Press the **[⊕ VOL]** button to increase the volume.
● Press the **[⊖ VOL]** button to lower the volume.

[◄] / [►] Buttons
● **Tuner/Weather Band** mode – Station Up/Down & Seek Up/Down (Press and hold)
● **USB** mode – Previous/Next track & Fast Forward/ Reverse (Press and hold)
● **iPod/iPhone** mode – Previous/Next track & Fast Forward/Reverse (Press and hold)
● **Pandora** mode – Skip track
● **SiriusXM** mode – Channel Tune Up/Down, Fast Channel Tune Up/Down (Press and hold), Move cursor (Direct mode) & Enter the Parent Code Window
● **SiriusXM** Replay mode – Press and Release the Left or Right Arrow to skip back or forward one song/track.
  Press and Hold will Fast Forward/Fast Rewind through the Replay buffered content.

[▲] / [▼] Buttons
● **Tuner/Weather Band** mode – Preset Station Up/ Down & Enter into Manual Store (Press and hold)
● **USB** mode – Folder Up/Down & Select (in Folder search mode)
● **iPod/iPhone** mode – Select (in Menu mode)
● **Pandora mode** – Thumbs up / down
● **SiriusXM** mode – Preset channel Up/Down, Category Up/Down (in Category mode), Numeric Up/Down (Direct mode), input Parent code interface.

[MENU/BAND] Buttons
● **Tuner/SiriusXM** mode – Select the band / Category search (Press and Hold)
● Press this button to access menu items for necessary functions in every mode.
● In different modes, the menu items are different. Please see the operation introduction of every mode for more details.

[▶/‖ MUTE] Buttons
● **Tuner/Weather Band** mode – Mute On / Off
● **USB** mode – Play / Pause
● **iPod/iPhone** mode – Play / Pause
● **Pandora** mode – Play / Pause
● **SiriusXM** mode – Replay Mode, Play/Pause
● **BT Audio** mode – Play / Pause

5. OPERATIONS

Basic Operation

Note: Be sure to read this chapter referring to the chapter **"4. CONTROLS"**
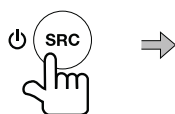

⚠ CAUTION

When the unit is turned on, starting and stopping the engine with its volume raised to the maximum level may cause hearing damage. Be careful about adjusting the volume.

◆ Power On/Off

Note:
* *Start the engine before using this unit.*
* *Be careful about using this unit for a long time without running the engine. If you drain the vessel battery too far, you may not be able to start the engine and this can reduce the service life of the battery.*

1. Start the engine. The power is supplied to this unit. Press **[⏻ / SRC]** button on the panel to turn on the unit.
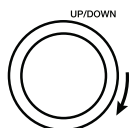

◆ Mute
Press the **[MUTE]** button to turn the mute On and Off.

◆ Adjusting the volume
Rotating the **[VOLUME]** knob to increase/decrease the volume.
The adjustable range of volume is 0 to 46.

⚠ CAUTION

While boating, keep the volume at a level at which external sounds can still be heard.

◆ Selecting a mode
Press the **[⏻/SRC]** button to display the source menu.
* External equipment not connected to this unit is not displayed.
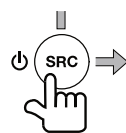
Sources are displayed in the following order: TUNER, SIRIUSXM, USB/IPOD, PANDORA, AUX IN, BT AUDIO.,

◆ Display System information
Press the **[DISP]** button on the front panel to switch the display information, system time and playing source.

◆ Display OFF/ON
This feature will allow the user to turn the display OFF in the event the display is too bright in different lighting conditions.
To use this feature, please follow these steps:
1. To turn the display OFF, press and hold the **[ENTER]** button and the display will turn OFF, but the audio from the current source will continue to play.
2. To turn the display ON, press any button and the display will turn back ON.

System Menu

In any mode, press and hold the **[MENU]** button to enter System Menu. Press the **[|◄◄]** or **[►►|]** button to select options, rotate the **[VOLUME]** knob to adjust a value / option.

◆ Clock

Press the **[ENTER]** button to enter clock setting mode, rotate the **[VOLUME]** knob to set the clock. Press the **[|◄◄]** or **[►►|]** button to select hour or minutes.

◆ Clock Format

Rotate the **[VOLUME]** knob to choose a time format: 12H or 24H.

◆ Clock Priority On/Off

Rotate the **[VOLUME]** knob to turn the clock On or Off as the priority screen view.

◆ Hands Free Profile (HFP)

Rotate the **[VOLUME]** knob to turn On or Off the Bluetooth Hands Free Profile.

◆ BT Music

To Disconnect/Delete a mobile phone from the Bluetooth Mobile Phone Compatibility List.

◆ Dimmer

Rotate the **[VOLUME]** knob to adjust the LCD display backlight level between High or Low.

◆ Beep On/Off

Rotate the **[VOLUME]** knob to choose button

Beep sound On or Off.

◆ Local / Distant

Rotate the **[VOLUME]** knob to choose radio Local or Distant in Tuner mode.
● **LOCAL**: Only stations with a strong signal can be received.
● **DX**: Stations with strong and weak signals can be received.

◆ Area

Rotate the **[VOLUME]** knob to select a suitable country region:
● U.S.A (United States)
● EUROPE (Eastern/Western Europe)
● Asia (Asia Pacific)
● AUST (Australia)

◆ Pandora On/Off

Select **OFF** if the Pandora application has not been installed on your phone.

◆ RESET

Press the **[ENTER]** button. Settings will be set to the default value.

◆ About

To view the device software version.

Audio Menu

Press the **[⌐♪]** button to enter audio setting mode. Press the **[|◄◄]** or **[►►|]** button to select options, rotate the **[VOLUME]** knob to adjust a value / option.

◆ EQ (Preset Equalizer Setting)

Rotate the **[VOLUME]** knob to change EQ:
Flat -> Jazz -> Pop -> Classic -> Rock -> News -> Urban -> Rave -> Movie -> Techno -> User

◆ Loud On/Off

Rotate the **[VOLUME]** knob to select Loudness between ON and OFF

◆ Subwoofer On/Off

Rotate the **[VOLUME]** knob to select subwoofer between ON and OFF

◆ Subwoofer GAIN

Rotate the **[VOLUME]** knob to adjust the subwoofer gain range: 0 to 12

◆ Subwoofer LPF

Rotate the **[VOLUME]** knob to adjust the subwoofer Low Pass Filter range: 80HZ/120HZ/180HZ

◆ Bass

Rotate the **[VOLUME]** knob to adjust the desired Bass level range from -7 to +7.

◆ Middle

Rotate the **[VOLUME]** knob to adjust the desired Middle level range from -7 to +7.

◆ Treble

Rotate the **[VOLUME]** knob to adjust the desired Treble level range from -7 to +7.

◆ Balance

Rotate the **[VOLUME]** knob to adjust the Balance between the right and left speakers from R12 (full right) to L12 (full left).

◆ Fader

Rotate the **[VOLUME]** knob to adjust adjust the Fader between the front and rear speakers from R12 (full rear) to F12 (full front).

◆ Aux In

Rotate the **[VOLUME]** konb to adjust the Aux In between HIGH / MID / LOW.

Radio Operation

◆ Select Tuner As Playing Source

Press the **[⏻/SRC]** Source button to select the TUNER mode.

◆ World Tuner

This unit is initially set to USA frequency intervals of 10 kHz for AM and 200 kHz for FM. When using it outside the USA, the frequency reception range can be switched to the intervals below.

		U.S. A standard	Europe standard	Asia standard	Australia standard
AM	Frequency spacing	10KHz	9KHz	9KHz	9KHz
	Frequency range	530-1710 KHz	531-1602 KHz	531-1620 KHz	531-1620 KHz
FM	Frequency spacing	200KHz	50KHz	50KHz	100KHz
	Frequency range	87.9-107.9 MHz	87.5-108 MHz	87.5-108 MHz	87.5-108 MHz

◆ Selecting The Radio Band

Press the **[BAND]** button on the panel to select one radio band.

◆ [I◄◄] Tuning Down / [►►I] Tuning Up Buttons

1. Press the **[I◄◄] / [►►I]** button change intervals step by step.
2. Press and hold the **[I◄◄] / [►►I]** button to seek the next strongest station.

◆ Recalling a Preset Station

Press one numeric button among 1 to 6 on the front panel to select the corresponding stored stations.

◆ Preset Scan

Preset scan receives the stations stored in the preset memory in order. This function is useful when searching for a desired station in the memory.
1. Press the **[MENU]** button.
2. Rotate the **[VOLUME]** knob to select Preset Scan mode and press **[ENTER]**, When a desired station is tuned in, press the **[MENU]** button to continue receving that station

◆ Recalling a Preset Station

Press one numeric button among 1 to 6 on the front panel to select the corresponding stored stations.

◆ Auto Store

Only stations with sufficient signal strength will be detected and stored in the memory.
1. Press the **[MENU]** button.
2. Rotate the **[VOLUME]** to select the Auto Store mode, press the **[ENTER]** button to start automatically select six strong stations and store them into six presets. The new stations replace any stations already stored in the band.

◆ Manual Store

When one expected radio station has been detected, press and hold number button 1-6 to store it in the memory.

◆ Area Set

This option allows you to select the appropriate frequency spacing for your area.
1. Press and hold the **[MENU]** button.
2. Press the **[I◄◄] / [►►I]** button to select **"AREA"**
3. Rotate the **[VOLUME]** knob to select: **"U.S.A"**, **"Europe"**, **"Asia"**, **"AUST (Australia)"**
4. Press the **[ENTER]** button to confirm.

SiriusXM® Satellite Radio Operations

◆ Displaying the Radio ID

Before you listen to satellite radio, you must subscribe to the service using the SiriusXM Radio ID number.
1. Press the **[⏻/SRC]** button to enter SiriusXM mode.
2. Press the **[◄◄]** or **[►►]** buttons and select channel "0". The Unit displays the Radio ID.

NOTE:
1. The Radio ID is also located on the bottom of the SiriusXM Connect Vehicle Tuner.
2. Please note that the SiriusXM Radio ID does not include the letters I, O, S or F.
3. In the USA, to activate the SiriusXM Connect Vehicle Tuner go online to www.siriusxm.com/activatenow or call 1-866-635-2349.
4. In Canada, to activate the SiriusXM Connect Vehicle Tuner go online to www.siriusxm.ca/activatexm or call 1-877-438-9677.

◆ Channel Tune

1. Press the **[►►]** button to advance to the next channel.
2. Press the **[◄◄]** button to go to the previous channel.

◆ Storing Channel Presets

Press the **[BAND]** button to select the desired band you want to store the preset in. There are 3 preset bands available.
1. Tune to the desired channel, press and hold one of the preset buttons (**1~6**) to store the channel.
2. Repeat the procedure to store up to 5 other channels on the same band.

NOTE:

A total of 18 channels can be stored in the preset memory, 6 channels for each band (SXM1, SXM2, and SXM3).

◆ Tuning To Channel Presets

Press the **[BAND]** button to select the desired band of presets you wish to access.
1. Press the preset button (**1~6**) that has your desired radio channel stored to memory.

◆ SiriusXM Replay function

The Replay feature allows you to pause, rewind, and replay live SiriusXM Satellite Radio.
1. While listening to a SiriusXM channel, press the **[►ıı]** button to enter Replay mode. The display will show "**PAUSE**" when entering this mode.
2. Press the **[►ıı]** button to resume playback of the stored audio from the point at which it was paused. During playback, the SiriusXM Tuner will continue to store the channel audio until you exit the Replay mode.

During REPLAY playback

• Fast rewind: Press and hold [◄◄]
• Fast forward: Press and hold [►►]
• To return to the beginning of the current song press [◄◄]
• To advance to the beginning of the next song press [►►].

NOTE:
• If you continue to press the [►►] button until the end, the Replay mode is canceled, and the unit will change to live SiriusXM radio mode.
• If you change channels while in Replay mode, the unit will exit Replay mode to live Satellite mode and clear the Replay memory.

Jump to Live

Long Press the **[►ıı]** button to go to Live Signal.

◆ SiriusXM Settings

Press the **[MENU]** button while in SiriusXM mode to access SiriusXM settings.

◆ Category Browse

Press the **[MENU]** and then **[ENTER]** button to activate the Category Browse mode.

1. Rotate the **[VOLUME]** knob to select desired Category.
2. Press **[◄◄]** or **[►►]** buttons to select desired channel within the selected Category. You can see Channel Name, Channel Number, Artist, Song Title or Content Info by pressing **[DISP]**
3. Press **[ENTER]** to tune to selected channel.

NOTE:
If no operation is performed for 10 seconds, the Category Browsing mode is canceled.

◆ Parental Controls:

The SiriusXM Parental Control feature allows you to prevent unauthorized access to mature content channels. When enabled the Parental Control feature requires you to enter a passcode to tune to the locked mature content channels. Information on setting up the passcode, setting up the mature content channels to be locked, and the method to access the locked channels is described below.

Lock/UnLock
1. Short Press the **[MENU]** button to access the SiriusXM Menu
2. Rotate the **[VOLUME]** knob to select "**MATURE CH**".
3. Press **[ENTER]**
4. Press the **1 ~ 6** buttons to enter passcode.

Parental Passcode
1. Press the **[MENU]** button to access the SiriusXM Menu.
2. Rotate the **[VOLUME]** knob to select "**PARENTAL**".
3. Press the **[ENTER]** button to access the change passcode mode.
4. Press the **1~6** buttons to enter Old passcode and then the NEW passcode.
5. To confirm the New passcode, enter it a second time.
6. If the passcode change is successful, the LCD will display "**SUCCESSFUL**"

NOTE:
The default passcode set for the Parental lock is 1111.

SiriusXM® Satellite Radio Operations

◆ Direct Tuning

Short Press the **[MENU]** button and rotate the **[VOLUME]** knob to "Direct Tune" to access the SiriusXM Direct Tuning mode. Press **[ENTER]**.

1. Press the **[⏮]** or **[⏭]** buttons to change the digit location to rotate the **[VOLUME]** knob to change the number.
2. Press the **[ENTER]** button to confirm channel number selection.

◆ Changing the Display

Text information, such as the channel name, artist name, song title and content info is available with each SiriusXM channel. The unit can display this text information as explained below:

In SiriusXM mode, press the **[DISP]** button. Each time you press this button, the display changes as shown below:

Channel Name->Artist Name->Song Title->Content Info->Category Name->Clock

Note:

If no text is available, nothing will be displayed.

◆ SiriusXM Signal

Press the **[MENU]** button to access the SiriusXM menu.
1. Rotate the **[VOLUME]** knob to select "**SXM SIGNAL**"

◆ SiriusXM Factory Reset

SiriusXM user settings are reset by performing a RESET of the M508 device as described on page 8.

Note:

*When restoring SiriusXM to factory defaults, the following settings will be reset or affected:*
- *Last channel tuned is reset.*
- *Presets will be restored to factory default settings.*
- *Parental Control feature will be disabled.*
- *Mature Channel Tuning will be accessible. Parental control passcode will be restored to the factory default setting.*
- *The display status will go back to the default state.*

USB Mode Operation

◆ Connect

1. Open the USB socket cover ⟵⟶.
2. Insert the USB device into the USB socket. The unit starts playing from the USB device.
3. To remove the USB device, you should first select another source or turn off the power, in order to avoid damaging the USB device. Then remove the USB device.
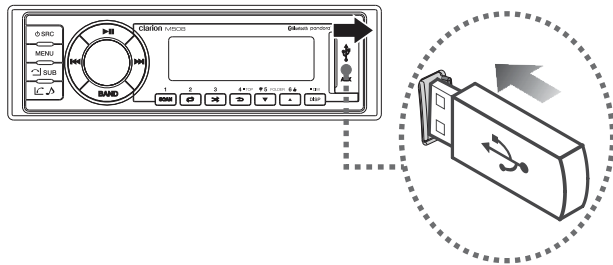
◆ Selecting a Track

1. Press the **[▶▶I]** button to advance to the next track/song.
    Press the **[I◀◀]** button to go to the previous track/ song.
2. Press and hold the **[▶▶I]** button to fast forward through the track/song.
    Press and hold the **[I◀◀]** button to fast backward through the track/song.

◆ Play / Pause

Press the **[▶II]** button to pause the track/song that is currently playing.
Press the **[▶II]** button to resume playing the track/ song that has been paused.

◆ Folder Select

This function allows you to select a folder containing MP3/WMA files and start playing from the first track in the folder.
Press the **[▼ 5 / 6 ▲]** button to select a folder.

◆ Search Function

1. Press the **[MENU]** button on the front panel to access MP3 / WMA file search mode.
2. Rotate the **[VOLUME]** knob to search through all folders on the device then press **[ENTER]** to enter file list search mode. And then the track list appears in the display.
3. Rotate the **[VOLUME]** knob to select the desired track within the previously selected folder and press **[ENTER]** to start playing.

◆ Display Function

During playback, pressing the **[DISP]** button will automatically cycle through the following information on the file being played on the LCD:
ARTIST -> TITLE -> ALBUM -> CLOCK

◆ Top Function

The top function resets the MP3/WMA player to the first track on the device. Press and hold the **[4]** button to play the first track on the device.

AUX Mode Operation

Press the **[⏻/SRC]** button on the front panel to select "AUX IN".
AUX IN is just for audio content with a 3.5mm Jack connector plugged into the audio-in socket on the front panel.

Left Channel
Right Channel
Ground

3.5mm Cable (not included)

AUX

Portable audio player, etc..
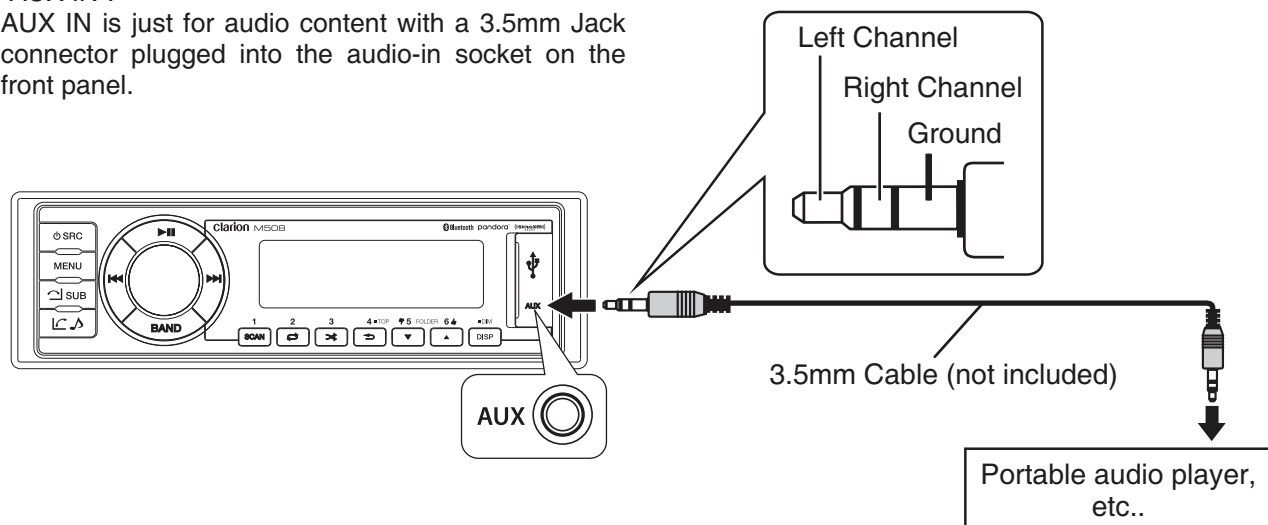
iPod/iPhone Mode Operation

◆ Connect

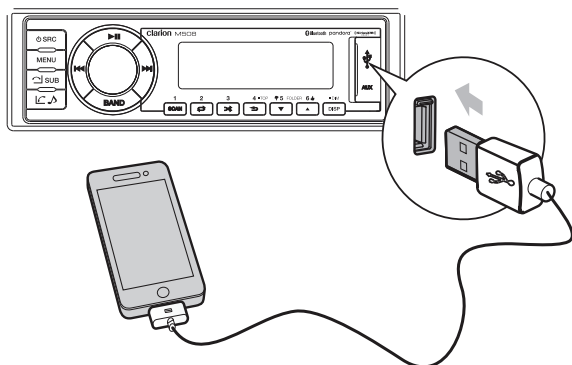Connect an iPod/iPhone to the USB socket on the front panel. When connecting a device, the unit will read the files automatically. The track information displays on the screen once playback starts.

◆ Compatible iPod/iPhone

You can connect the following iPod/iPhone:

- iPod nano (6G)
- iPod nano (7G)
- iPod touch (3G)
- iPod touch (4G)
- iPod touch (5G)
- iPhone 3GS
- Minimum iOS 5.0 or higher

- iPhone 4
- iPhone 4S
- iPhone 5
- iPhone 5C
- iPhone 5S

◆ iPod/iPhone Control Music Playback Mode

Press and hold the **[BAND]** button on the front panel to switch between the two control modes:

- **iPod control mode:** Use the iPod/iPhone to operate the music control.
- **Unit control mode:** Use the head unit to operate the music control.

Note:
Please make sure the iPod/iPhone cable is connected correctly and only using an original iPod/iPhone cable.

◆ Selecting a Track

1. Press the **[▶▶I]** button to advance to the next track/song.
   Press the **[I◀◀]** button to go to the previous track/song.
2. Press and hold the **[▶▶I]** button to fast forward through the track/song.
   Press and hold the **[I◀◀]** button to fast backward through the track/song.

◆ Play / Pause

Press the **[▶II]** button to pause the track/song that is currently playing.
Press the **[▶II]** button to resume playing the track/song that has been paused.

◆ iPod Menu Search

1. Press the **[MENU]** button on the front panel to access iPod menu search mode.
2. Rotate the **[VOLUME]** knob to switch between categories.
   PLAYLISTS -> ARTIST-> ALBUMS -> GENRES -> SONGS -> COMPOSERS
3. Press the **[ENTER]** button to confirm the selection.
4. When the desired Playlist, Artist, Album, Song, Genre or Composer is displayed, press the **[ENTER]** button then the music file will be displayed.
5. Rotate the **[VOLUME]** knob to select a File.
6. Press the **[ENTER]** button to confirm the file you want to play.

◆ Listening to Pandora®

You can stream Pandora internet radio by connecting an iPod/iPhone that has the Pandora mobile application already installed.

To start streaming, connect the iPod / iPhone with Pandora already launched.

When the unit displays **"PANDORA APP Unavailable"** in Pandora mode, please launch the Pandora Application by operating the iPod/iPhone connected.

Press the **[⏻/SRC]** button to enter Pandora mode.

Selecting a Station From the List

Press the **[MENU]** button and select "BY DATE" or "A to Z" by pressing the **[I◀◀/▶▶I]** button and press the **[ENTER]** button.

- BY DATE: List in order of created date.
- A-Z: List in alphabetical order.

Thumbs Up/Down

- Thumbs Up
- Press the **[6 ▲]** button on the front panel for thumbs up. Giving a track the thumbs up will tell Pandora to play more tracks like that one.

- **Thumbs Down**

Press the **[▼ 5]** button on the front panel for thumbs down. Giving a track the thumbs down will skip to the next track, and Pandora will remember not to play that track on the station again.

> *Note:*
> - *You can personalize your stations using "thumbs up" or "thumbs down".*
> - *If you give a track the thumbs down after the skip limit has been exceeded, your feedback will be saved but the current track will continue to play.*

Deleting a Station

1. Press the **[MENU]** button to access the Pandora menu.
2. Rotate the **[VOLUME]** button to select **"DELETE CH"**.
3. Press the **[I◀◀/▶▶I]** button to select **"YES"**.
4. Press the **[ENTER]** button to confirm deletion of the current station.

◆ BOOKMARK

1. Press the **[MENU]** button to access the Pandora menu.
2. Rotate the **[VOLUME]** knob to select Bookmark.
3. Press the **[I◀◀/▶▶I]** button to select the Track or Artist.
4. Press the **[ENTER]** button to create a Bookmark.

Creating New Stations

1. Press the **[MENU]** button to access search mode.
2. Rotate the **[VOLUME]** knob to select **"SEARCH"**, and then press the **[ENTER]** button to confirm.
3. Press the **[I◀◀/▶▶I]** button to select the new station, and press the **[ENTER]** button to confirm.
4. Press the **[I◀◀/▶▶I]** button to select the Track or Artist.
   From Track: Create a new station based on the track that is currently playing (Now Playing Track).
   From Artist: Create a new station based on the artist that is currently playing (Now Playing Artist)
5. Press the **[ENTER]** button to create a new track.

> *Note:*
> *If the name of the station you wish to create for a track title or an artist name is the same as the station name currently playing, "NOW PLAY" appears on the display and the station will not be created .*

Skip

Press and hold the **[▶▶I]** button on the panel or on the remote control for the next tracks in the station.

> *Note:*
> *Pandora limits the number of skips allowed on their service. If you attempt to skip tracks beyond the limit, "SKIP LIMIT" is displayed.*

◆ Display Function

During playback, pressing the **[DISP]** button will automatically cycle through the following information on the file being played on the LCD:

ARTIST -> TITLE -> ALBUM -> CLOCK

Bluetooth Operation

◆ Pairing the Bluetooth Device

1. From your Bluetooth enabled device, turn BLUETOOTH ON and search for Bluetooth devices.
2. When a list of available Bluetooth devices appears on your Bluetooth device, select "**M508**".
3. "**BT CONNECTED**" will appear on the display.
4. The unit will automatically enter the BT Audio source and you can now start streaming audio from your Bluetooth enabled device.

Note: If the mobile phone doesn't support the SSP (Simple Secure Pairing) Profile, please enter the passcode "0000".

◆ DISCONNECT / DELETE

This unit can store mobile phones in paired order. You can Disconnect/Delete mobile phones from the Bluetooth Mobile Phone Compatibility List.

1. Press and hold the **[MENU]** button to enter the System menu.
2. Press the **[I◄◄ / ►►I]** button until "**BT MUSIC**" is displayed.
3. Press the **[ENTER]** button to confirm the selection.
4. Rotate the **[VOLUME]** knob to choose the paired mobile phone name from the pairing list.
5. Press the **[ENTER]** button to confirm the selection.
6. Rotate the **[VOLUME]** knob to select "**DISCON**" or "**DELETE**" the mobile phone.
7. Press the **[ENTER]** button to confirm the selection.

◆ Handsfree (HFP)

When receiving a call, press the **[📞 ♪]** button to accept the incomming call. To end the call, press the **[☏ SUB]** button. During a call you may press and hold the **[☏ SUB]** button to transfer the call between the source unti and your handset.

Note:
Make sure that you are safely parked or the passenger of the vehicle when initiating a call from your mobile device.

◆ Audio Streaming Operations
What is audio streaming?

Audio streaming is a technique for transferring audio data so that it can be processed as a steady and continuous stream. Users can stream music from their external audio player to their audio system wirelessly and listen to the tracks through the boat's speakers. Please consult your nearest Clarion dealer for more information on available wireless audio streaming transmitter products.

⚠ CAUTION

Please avoid operating your connected mobile phone while audio streaming as this may cause noise or stuttering on the song playback. Audio streaming may or may not resume after telephone interruption as this is dependent on the mobile phone.

◆ Play / Pause

Press the **[►II]** button to pause the track/song that is currently playing.
Press the **[►II]** button to resume playing the track/song that has been paused.

◆ Search Function

1. Press the **[MENU]** button on the front panel to access Search mode.
2. Rotate the **[VOLUME]** knob to switch between folders.
   PLAYLISTS -> ARTIST -> ALBUMS -> SONGS -> GENRES -> COMPOSERS
3. Press the **[ENTER]** button to confirm the selection.
4. Press the **[ENTER]** button to confirm.

Note:
The search feature requires the paired and connected device to incorporate at least Bluetooth AVCRP 1.4 in order to function.

◆ Selecting a Track

1. Press the **[►►I]** button to advance to the next track/song.
   Press the **[I◄◄]** button to go to the previous track/song.
2. Press and hold the **[►►I]** button to fast forward through the track/song.
   Press and hold the **[I◄◄]** button to fast backward through the track/song.

Note:
Playing order will depend on Bluetooth audio player. When the [I◄◄] button is pressed, some A2DP devices will restart the current track depending on the duration of playback. During music streaming playback "A2DP" will be shown on the display. When A2DP and HFP devices are disconnected, "BLUETOOTH DISCONNECT" will be shown on the display and the system will return to the previously selected audio source. Some Bluetooth audio players may not allow play / pause synchronization with this unit. Please make sure both the device and the main unit are in the same play / pause status in BT MUSIC mode.

◆ ID3 Display

During music streaming playback, press **[DISP]** to view the ID3 display information:
ARTIST -> TITLE -> ALBUM -> CLOCK

6. TROUBLESHOOTING

GENERAL

Problem	Cause	Remedy
Unit cannot power on.	Unit fuse blown.	Replace with new fuse of correct rating.
	Vessel battery fuse blown.	Replace with new fuse of correct rating.
No/low audio output.	Incorrect audio output connection.	Check wiring and correct.
	Volume set too low.	Increase volume level.
	Speakers damaged.	Replace speakers.
	Heavily biased volume balance.	Adjust the channel balance to center position.
	Speaker wiring is in contact with metal part of vessel.	Insulate all speaker wiring connections.
Poor sound quality or distortion.	Speaker power rating does not match unit.	Replace speakers.
	Wrong connections.	Check wiring and correct.
	Speaker is shorted.	Check wiring and correct.
Unit resets itself when engine is off.	Incorrect connection between ACC and Battery.	Check the wiring and correct.

USB

Problem	Cause	Remedy
USB device cannot be inserted.	The USB device has been inserted incorrectly.	Reverse the connection direction of the USB device and try again.
	The USB connector is broken.	Replace with a new USB device.
USB device is not recognized.	The USB device is damaged.	Disconnect the USB device and reconnect. If the device is still not recognized, try replacing it with a different USB device.
	Connectors are loose.	
No sound heard with the display "No File" shown.	No MP3/WMA file is stored in the USB device.	Store these files properly in the USB device.
Sound skips or is noisy.	MP3/WMA files are not encoded properly.	Use properly encoded MP3/WMA files.

Bluetooth

Problem	Cause	Remedy
Cannot pair the Bluetooth enabled device with the audio system.	The device does not support the profiles required for the system.	Use another device to connect.
	The Bluetooth function of the device is not enabled.	Refer to the user manual of the device for how to enable the function.
Audio quality is poor after connection with a Bluetooth-enabled device.	The Bluetooth reception is poor.	Move the device closer to the audio system or remove any obstacle between the device and the system.

6. TROUBLESHOOTING

SiriusXM Advisory Messages

Message	Description
CHECK TUNER	Check the SiriusXM tuner connection on the back of the unit to ensure that it is connected correctly.
CHECK ANTENA	Ensure the SiriusXM antenna cable is connected to the SiriusXM tuner correctly. Check the SiriusXM antenna wire for breaks or sharp bends. Replace the antenna if necessary.
NO SIGNAL	The vessel must be outside, and the antenna must have a clear view of the southern sky.The magnetic antenna must be mounted on the outside of the vessel for the best reception.
CHAN UNSUB	This channel is not included in your SiriusXM subscription plan. To subscribe, call 1-866-635-2349 in the USA and in Canada call 1-877-438-9677.
CH UNAVAIL	This channel is not a valid SiriusXM channel. The channel number has been entered incorrectly, or the channel was removed from the SiriusXM channel lineup
CH LOCKED	The channel that you have requested is Locked by the radio Parental Control feature. See Parental Control on page 12 for more information on the Parental Control feature and how to access locked channels.
SUBSCRIPTN UPDATED	An update to your SiriusXM subscription has been received by the SiriusXM tuner. Press any button to continue.

7. SPECIFICATIONS

FM Tuner

Frequency Range: USA 87.9 - 107.9MHz
       Europe 87.5 - 108.0MHz
       Asia   87.5 - 108.0MHz
       Australia 87.5 - 108.0MHz
Usable Sensitivity: 8dB
Frequency response: 30Hz-15kHz
Stereo Separation: >30dB(1kHz)
Signal/noise ratio: >55dB

AM Tuner

Frequency Range: USA 530 - 1710KHz
       Europe 531 - 1602KHz
       Asia   531 - 1620KHz
       Australia 531 - 1620KHz
Usable Sensitivity: 40dB (S/N=20dB)

Weather Band Selection

CH.1 162.400MHz CH.2 162.425MHz
CH.3 162.450MHz CH.4 162.475MHz
CH.5 162.500MHz CH.6 162.525MHz
CH.7 162.550MHz

MP3/WMA mode

MP3 sampling rate: 32kHz, 44.1kHz, 48kHz
MP3 bit rate: 32~384kbps
WMA bit rate: 8~320kbps
Logical format: ISO9660, Joliet
Number of files: Maximum 65535
Max directory depth: 8
Max File/Directory
Name: 64Byte
ID3 tag: V2.0 or later

USB

USB: 2.0 High Speed
USB Memory Size: 32G
USB Flash Drive
and Hard Drive
Compatible Format: FAT16/FAT32

Bluetooth

Specification: Bluetooth Version. 3.0+EDR
       (Enhanced Data Rate)
Supported Profiles: A2DP (Advanced Audio
       Distribution Profile)
       aptX® (CD Quality audio
       bandwidth matching and
       reproduction)
       HFP (Hands-free Profile)
       AVRCP 1.4 (Audio/Video
       Remote Control Profile)
       SPP (Serial Port Profile)
       SSP (Simple Secure Pairing)
Send/Receive Sensitivity: Class 2

General

Power Supply Voltage: 14.4V DC (10.8 to 15.6V
          allowable)
Fuse: 15A
Power output: 50W x 4 channels
Speaker Impedance: 4-8 ohms per channel

Note: *Specifications and design are subject to change without notice for further improvement.*

Power Output:
RMS 18W × 4 Channels at 4Ω
and 1% THD+N
Signal to Noise Ratio:
74dB (reference: LPF 1 W into 4Ω)

Amplifier Power Standard
Consumer Technology Association
CTA-2006 Compliant

8. INSTALLATION AND WIRE CONNECTION

1. Before Starting

1. This set is exclusively for use in vessels with a negative ground 12 V power supply.
2. Read these instructions carefully.
3. Be sure to disconnect the battery **"–"** terminal before starting. This is to prevent short circuits during installation. (Figure 1)
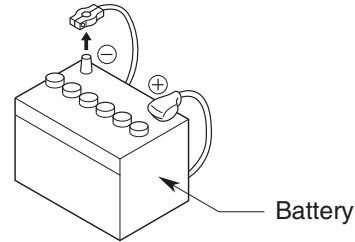
Battery

Figure 1

2. General Precautions

1. Do not open the case. There are no user serviceable parts inside. If you drop anything into the unit during installation, consult your dealer or an authorized **Clarion** service center.
2. Use a soft, dry cloth to clean the case. Never use a rough cloth, thinner, benzine, or alcohol, etc. For tough dirt, apply a little cold or warm water to a soft cloth and wipe off the dirt gently.

3. Installation Precautions

1. Prepare all articles necessary for installing the source unit before starting.
2. Install the unit within 30° of the horizontal plane. (Figure 2)
3. If you have to do any work on the vessel body, such as drilling holes, consult your vessel dealer beforehand.

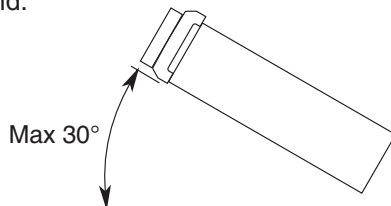4. Use the enclosed screws for installation. Using other screws can cause damage. (Figure 3)

Max 30°

Figure 2

Chassis   Chassis

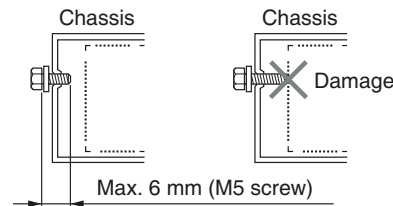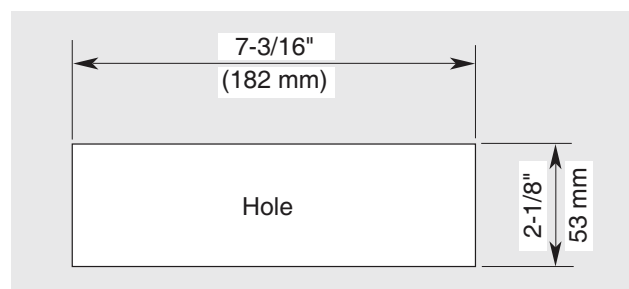Damage

Max. 6 mm (M5 screw)

Figure 3

4. Installation of the Source Unit

1. Place the mounting bracket into the instrument panel; use a screwdriver to bend each stopper of the mounting bracket inward, then secure the stopper.
2. Wire as shown in Section 7.
3. Insert the source unit into the mounting bracket until it locks.
4. Take care with the top and bottom of the trim ring and mount it so that all the hooks are locked.

Note: 1. *Some vessel models require special mounting kits for proper installation. Consult your* **Clarion** *dealer for details.*
2. *Fasten the front stopper securely to prevent the source unit from coming loose.*

● **Console opening dimensions**

7-3/16"
(182 mm)

Hole

2-1/8"
53 mm

Unit installation
Method A
1. Insert the mounting bracket into the dashboard, choose the appropriate mounting tab according to the gap width and bend the mounting tab outwards with a screwdriver to fix the mounting bracket in place.
2. Slide the unit into the bracket until you hear a click.
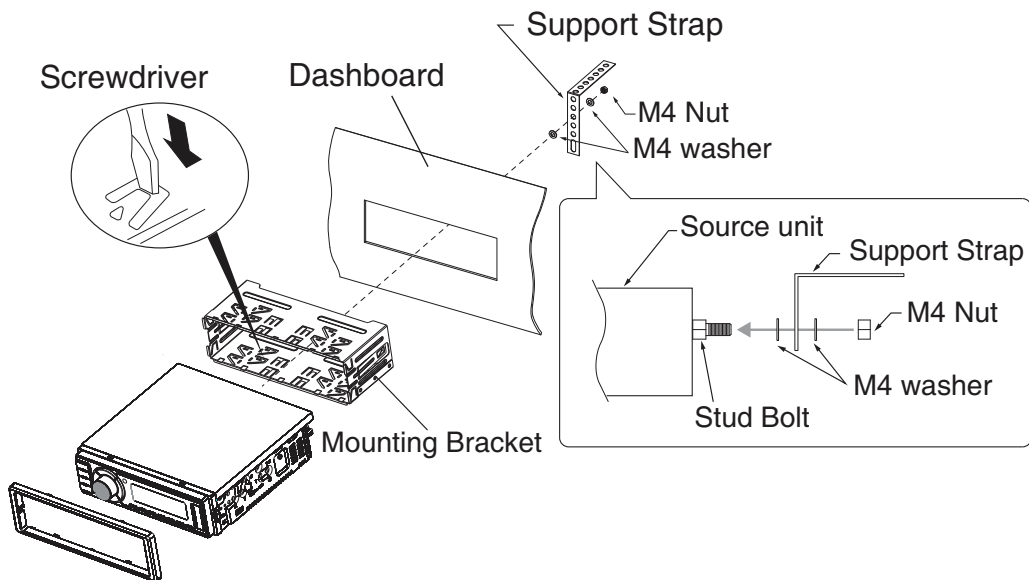
Method B
1. Insert this unit directly into the opening in the dashboard.
2. Place M5 × 7 cylindrical screws through the holes in the mounting frame located inside the opening to the holes of the unit and fasten the screws to left & right.
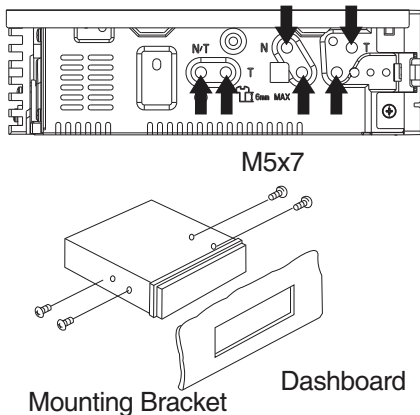
Trim ring installation
Attach the trim ring around the front panel. Mount it so that all the hooks are locked.

5. WIRE CONNECTION

Wired Remote

Black

SiriusXM

Black

Microphone

Black

OEM Steering Wheel

Black

16-Pin Connector
Extension Lead

Antenna   Black

Yellow wire
(Memory back-up lead)

$\oplus$ Grey

Front Right

$\ominus$ Grey/Black

15A

Connect directly
to battery

White   Front
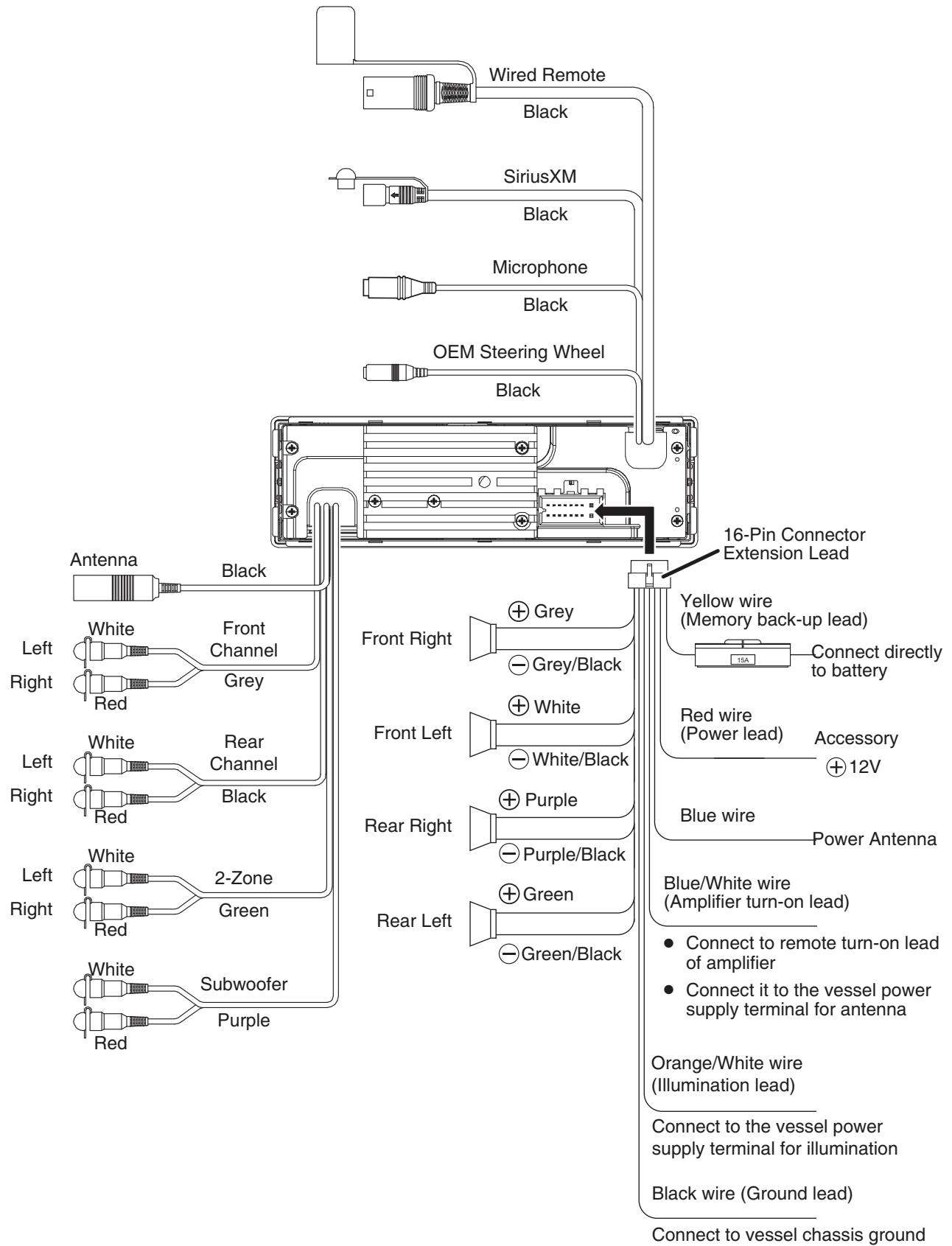Channel

Left

Right   Grey

Red

$\oplus$ White

Front Left

$\ominus$ White/Black

Red wire
(Power lead)   Accessory

$\oplus$ 12V

White   Rear
Channel

Left

Right   Black

Red

$\oplus$ Purple

Rear Right

$\ominus$ Purple/Black

Blue wire

Power Antenna

White

Left   2-Zone

Right   Green

Red

$\oplus$ Green

Rear Left

$\ominus$ Green/Black

Blue/White wire
(Amplifier turn-on lead)

- Connect to remote turn-on lead
  of amplifier
- Connect it to the vessel power
  supply terminal for antenna

White

Subwoofer

Purple

Red

Orange/White wire
(Illumination lead)

Connect to the vessel power
supply terminal for illumination

Black wire (Ground lead)

Connect to vessel chassis ground

Clarion Corporation of America

clarion

GARANTIE LIMITÉE DE 1 AN CLARION
Pour le Canada et les États-Unis seulement

Ce produit Clarion vendu par un marchand autorisé Clarion est garanti contre tous défauts de matériel et de fabrication pour une durée **d'un (1) an** à compter de la date de vente initiale lorsque l'achat est effectué chez un marchand autorisé Clarion; les items tels les piles sont couverts par une garantie de 6 mois suivants la date d'achat. Tous câblages, fils et autres accessoires Clarion achetés chez un marchand autorisé Clarion, sont garantis contre tous défauts de matériel **ET** de fabrication pour une durée de quatre-vingt-dix (90) jours suivant la date d'achat initiale.

TOUT ACHAT DE PRODUITS CLARION EFFECTUÉ CHEZ UN MARCHAND NON-AUTORISÉ CLARION SERA SOUMIS À DES RESTRICTIONS DE GRANANTIES DÉCRITES CI-DESSOUS.

Les conditions de cette garantie limitée et l'implication de la responsabilité de Clarion Corporation of America ou Clarion Canada Inc."Clarion" sous cette garantie limitée sont les suivantes:

1. **UNE PREUVE DE DATE D'ACHAT D'UN MARCHAND AUTORISÉ CLARION EST REQUISE POUR SERVICE SOUS GARANTIE DE CE PRODUIT. DES INFORMATIONS SUPPLÉMENTAIRES CONCERNANT LES CENTRES DE SERVICES AUTORISÉS PAR CLARION PEUVENT ÊTRE OBTENUES EN CONTACTANT CLARION À UNE DES ADRESSES ÉNUMÉRÉES CI-BAS.**

2. Cette Garantie Limitée sera annulée si un dommage est survenu au bien lors d'un service effectué par une personne ou entreprise qui n'est pas accrédité comme un Centre de Service et Garantie Clarion.

3. Cette Garantie Limitée n'est aucunement applicable à un produit sujet à l'abus, négligence, accidentés, mal installé ou utilisation incorrects ou que les numéros de série ont été modifiés, obstrués ou effacés, ou qui a été raccordés, installés, ajustés ou réparés autrement qu'indiqué par Clarion.

4. Cette Garantie Limitée ne couvre pas les interférences électrostatiques, électriques ni les frais reliés à la manutention pour le retrait ou la réinstallation.

5. La responsabilité de Clarion sous cette Garantie Limitée est limitée uniquement à la réparation ou au remplacement du produit, qui est sujet uniquement à la discrétion de Clarion.

6. Ce produit doit est retourné dans son emballage d'origine ou équivalent. Le colis doit être entièrement assuré et tous frais de transport doivent être prépayés. Clarion n'assumera aucune responsabilité en cas de perte ou dommages survenue lors du transport.

7. **TOUS PRODUITS CLARION ACQUIS PAR L'ENTREMISE AUTRE QUE PAR UN MARCHAND AUTORISÉ PAR CLARION, INCLUANT TOUS ACHATS VIA UN MARCHAND VIRTUEL (ACHAT INTERNET) QUI N'EST PAS AUTORISÉ PAR CLARION, NE SONT PAS COUVERTS PAR LES GARANTIES LIMITÉES DE CLARION, ET CE, EN ACCORD AVEC LES LIMITATIONS DÉFINIES PAR LA LOI. DANS LE CAS OÙ LES LOIS APPLICABLES NE PERMETTENT PAS L'ÉLIMINATION DES GARANTIES SOUS CES CONDITIONS, LAPÉRIODE DE GARANTIE LIMITÉE QUI S'APPLIQUE AU PRODUIT SERA DE QUINZE(15) JOURS À PARTIR DE LA DATE D'ACHAT INITIALE.**

8. **AUCUNE GARANTIE IMPLICITE NE POURRA S'ÉTENDRE AU-DELÀ DE LA PÉRIODE DE GARANTIE DÉCRITE CI-DESSUS, ET CE, EN ACCORD AVEC LES LIMITES DÉFINIES PAR LA LOI. CLARION NE POURRA EN AUCUN CAS ÊTRE TENUE RESPONSABLE DES PERTES OU DOMMAGES DIRECTS OU INDIRECTS DUS À L'UTILISATION OU L'IMPOSSIBILITÉ D'UTILISATION DU PRODUIT. PUISQUE CERTAINS ÉTATS OU PROVINCES NE PERMETTENT PAS DE LIMITER LA DURÉE DES GARANTIES IMPLICITES, OU DE LIMITER LA RESPONSABILITÉ EN CAS DE DOMMAGES DIRECTS OU INDIRECTS, CES LIMITATIONS OU EXCLUSIONS PEUVENT NE PAS S'APPLIQUER À VOUS.**

9. **CETTE GARANTIE LIMITÉE VOUS DONNE DES DROITS LÉGAUX PRÉCIS. VOUS POUVEZ POSSÉDER DES DROITS SUPPLÉMENTAIRES SELON VOTRE LIEU DE RÉSIDENCE.**

10. Les lois de l'état de la Californie régissent totalement cette garantie limitée, son interprétation et sa mise en exécution.

11. Si vous éprouvez des problèmes de performance du produit pendant la période de garantie, veuillez communiquer avec Clarion ou visitez notre site Web à l'adresse ci-dessous afin d'obtenir une résolution de tout problème relié aux produits Clarion.

Aux Etats-Unis:	Au Canada:
Clarion Corporation of America	Clarion Canada Inc.
Attn: Customer Service Manager	Centre de Service et Garantie
6200 Gateway Drive	3800A Laird Road, Unit 6
Cypress, CA 90630	Mississauga, Ontario
(800)-GO-CLARION	L5L 0B2
www.clarion.com	(905) 828 2900
	www.clarion.com

clarion
CLARION 1 YEAR LIMITED WARRANTY
For USA and Canada only

This Clarion product purchased from an authorized Clarion dealer are warranted against all defects in materials and workmanship for a period of **one (1) year** from the date of original purchase other than consumable parts, such as the battery pack, which are covered for 6 months from the date of purchase, when purchased from **AND** installed by an authorized Clarion dealer.

All Clarion cables, wires and other accessories if purchased from an authorized Clarion dealer are warranted against all defects in materials and workmanship for ninety (90) days unless otherwise specified from the date of original purchase.

ALL PURCHASES OF CLARION PRODUCTS FROM NON-AUTHORIZED CLARION DEALERS ARE SUBJECT TO FURTHER WARRANTY RESTRICTIONS AS DESCRIBED BELOW.

The conditions of this Limited Warranty and the extent of responsibility of Clarion Corporation of America ("Clarion") under this Limited Warranty are as follows :

1. **PROOF OF DATE OF PURCHASE FROM AN AUTHORIZED CLARION DEALER WILL BE REQUIRED FOR WARRANTY SERVICE OF THIS PRODUCT. CENTERS MAY BE OBTAINED BY CONTACTING CLARION AT THE ADDRESS LISTED BELOW.**

2. This Limited Warranty will become void if service performed by anyone other than an approved Clarion Warranty Service Center results in damage to the product.

3. This Limited Warranty does not apply to any product which has been subject to misuse, neglect or accident, or which has had the serial number altered, defaced or removed, or which has been connected, installed, adjusted or repaired, other than in accordance with the instructions furnished by Clarion.

4. This Limited Warranty does not cover car static or other electrical interferences, tape head or laser pick-up cleaning or adjustments, or labor costs for the removal or reinstallation of the unit for repair.

5. The sole responsibility of Clarion under this Limited Warranty shall be limited to the repair of the product or replacement of the product, at the sole discretion of Clarion.

6. Product must be shipped in its original carton or equivalent carton, fully insured, with shipping charges prepaid. Clarion will not assume any responsibility for any loss or damage incurred in shipping.

7. **CLARION PRODUCTS PURCHASED FROM A SOURCE OTHER THAN AN AUTHORIZED CLARION DEALER, INCLUDING ANY AND ALL PURCHASES VIA THE INTERNET FROM A NON INTERNET AUTHORIZED CLARION DEALER, SHALL NOT BE COVERED BY ANY CLARION LIMITED WARRANTY TO THE EXTENT ALLOWED BY APPLICABLE LAW. IN THE EVENT AND TO THE EXTENT APPLICABLE LAW PROHIBITS ELIMINATION OF WARRANTIES UNDER THESE CIRCUMSTANCES, THE APPLICABLE LIMITED WARRANTY PERIOD SHALL BE DEEMED TO BE FIFTEEN (15) DAYS FROM THE DATE OF ORIGINAL PURCHASE.**

8. **ALL IMPLIED WARRANTIES EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW SHALL HAVE NO GREATER DURATION THAN THE WARRANTY PERIOD SET FORTH ABOVE. UNDER NO CIRCUMSTANCES SHALL CLARION BE LIABLE FOR ANY LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT. BECAUSE SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR EXCLUSIONS OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.**

9. **THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.**

10. The laws of the State of California shall govern and control this Limited Warranty, its interpretation and enforcement.

11. Should you have any difficulties with the performance of this product during the warranty period, please call Clarion or visit our web site for a listing of Authorized Warranty Service Centers in your area. You may also contact Clarion Customer Service at the address listed below for any service help you may need with Clarion products.

In USA:
Clarion Corporation of America
Attn: Customer Service Manager
6200 Gateway Drive
Cypress, CA 90630
(800)-GO-CLARION
www.clarion.com

In Canada:
Clarion Canada Inc.
Warranty Service Center
3800A Laird Road, Unit 6
Mississauga, Ontario
L5L 0B2
(905) 828 2900
www.clarion.com