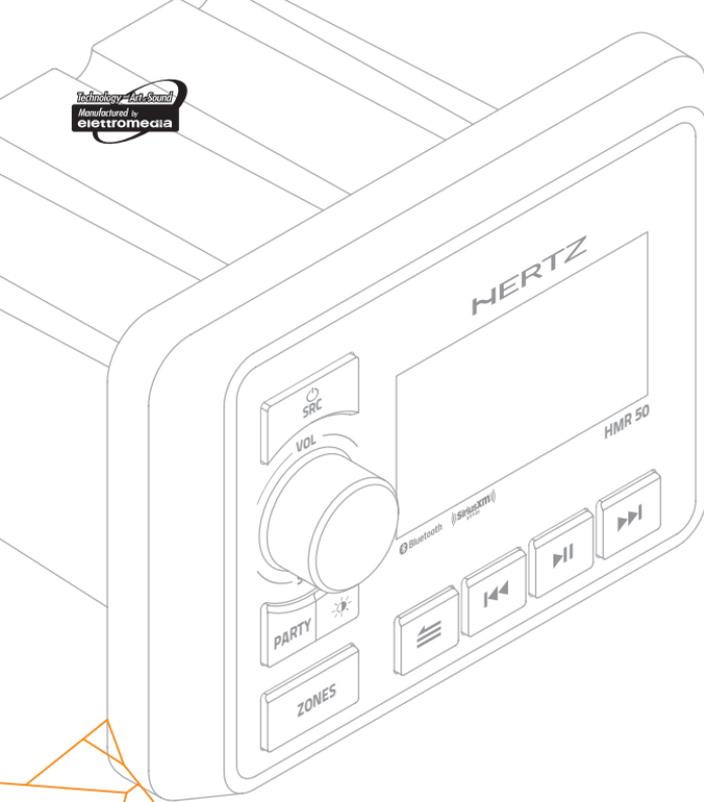


Technology **Auto-Sound**  
Manufactured by  
**electromedia**

**POWER**  
FOR  
THE  
**WAVES**  
**PURE MARINE**  
CERTIFIED PRODUCT



**marine**

**HMR 50**

**OWNER'S MANUAL**

Marine grade source units

Rev. 0.1a

**((SiriusXM))**  
READY

[hertz-audio.com](http://hertz-audio.com)

**HERTZ**  
The Sound Experience

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## 2. PRECAUTIONS

**WARNING:** for your safety, while boating, keep the volume to a level at which external sounds can be heard.



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

### 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.

### FCC ID: 2AYOQ-HMR50

**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 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 complied with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the unit & your body.

### 3. IC warning

This device complies with Industry Canada's license-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.

This Class B digital apparatus complies with Canadian ICES-0003. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage  
 (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. The antenna should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. Cet appareil est conforme aux limites d'exposition aux rayonnements de la IC pour un environnement non contrôlé. L'antenne doit être installée de façon à garder une distance minimale de 20 centimètres entre la source de rayonnements et votre corps.

L'émetteur ne doit pas être colocalisé ni fonctionner conjointement avec à autre antenne ou autre émetteur.

**WARNING:** changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**IC ID: 24882-HMR50**

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**6. USB Port**

- The USB memory sticks must be recognized as "USB" to work properly. Some models may not operate correctly. In the event data is lost or damaged under any condition, Elettromedia srl shall not be liable for any damage. When using the USB memory stick, we recommend that you backup your data (music) to a personal computer before using.

- Data (music) files may be damaged when USB memory sticks are removed while the device is reading data, or by static electricity and/or an electrical surge.
- Connect/disconnect the USB memory stick when it is not accessed.
- Disconnect the USB memory device when not in use.

**7. Cleaning the Body**

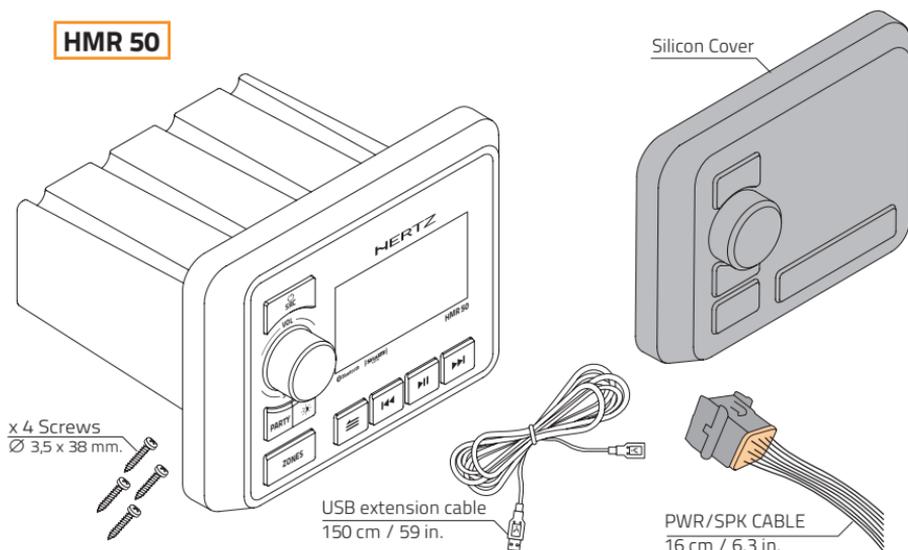
- Use a soft, dry cloth and gently wipe off any dirt or dust.
- For persistent dirt, apply some neutral detergent diluted in water on a soft cloth, wipe off the dirt gently, then wipe again with a dry cloth.
- Do not use benzene, thinner, boat cleaner, etc., as these substances may damage the body or cause the paint to peel. Also, leaving rubber or plastic products in contact with the body for long periods of time may cause stains.

**■ CAUTIONS ON HANDLING**

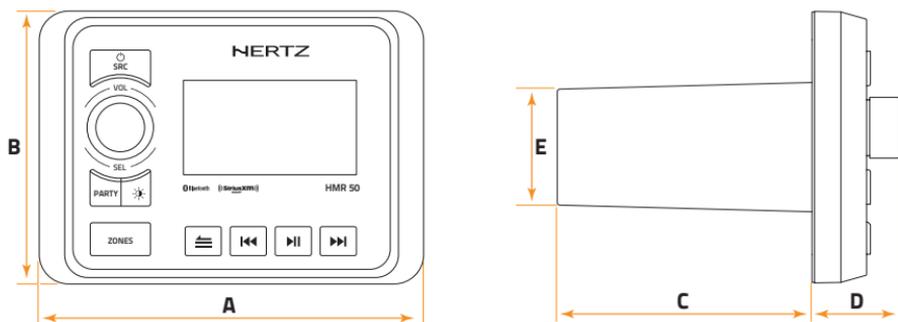
Protect from high temperatures. Exposure to direct sunlight for an extended period of time can produce very high temperature inside the unit. It is recommended to protect the unit with the special cover when not in use.

### 3. PACKAGING CONTENTS

#### HMR 50



### 4. DIMENSIONS



	A	B	C	D	E	
HMR 50	146	105	98	34	50	mm
	5.75	4.13	3.86	1.34	1.97	in.

## 5. INSTALLATION

### 5.1 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. Make sure the battery "-" terminal is disconnected before starting.  
This is to prevent short circuits during installation. (Figure 1).

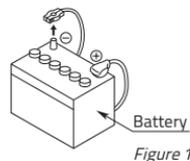
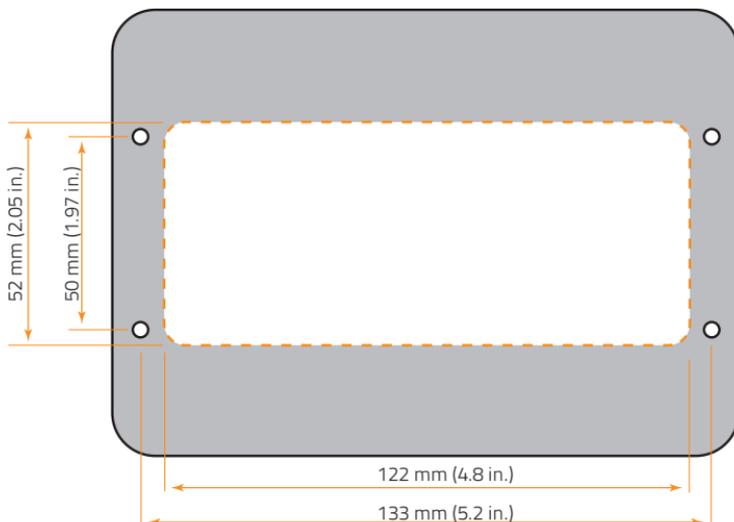


Figure 1

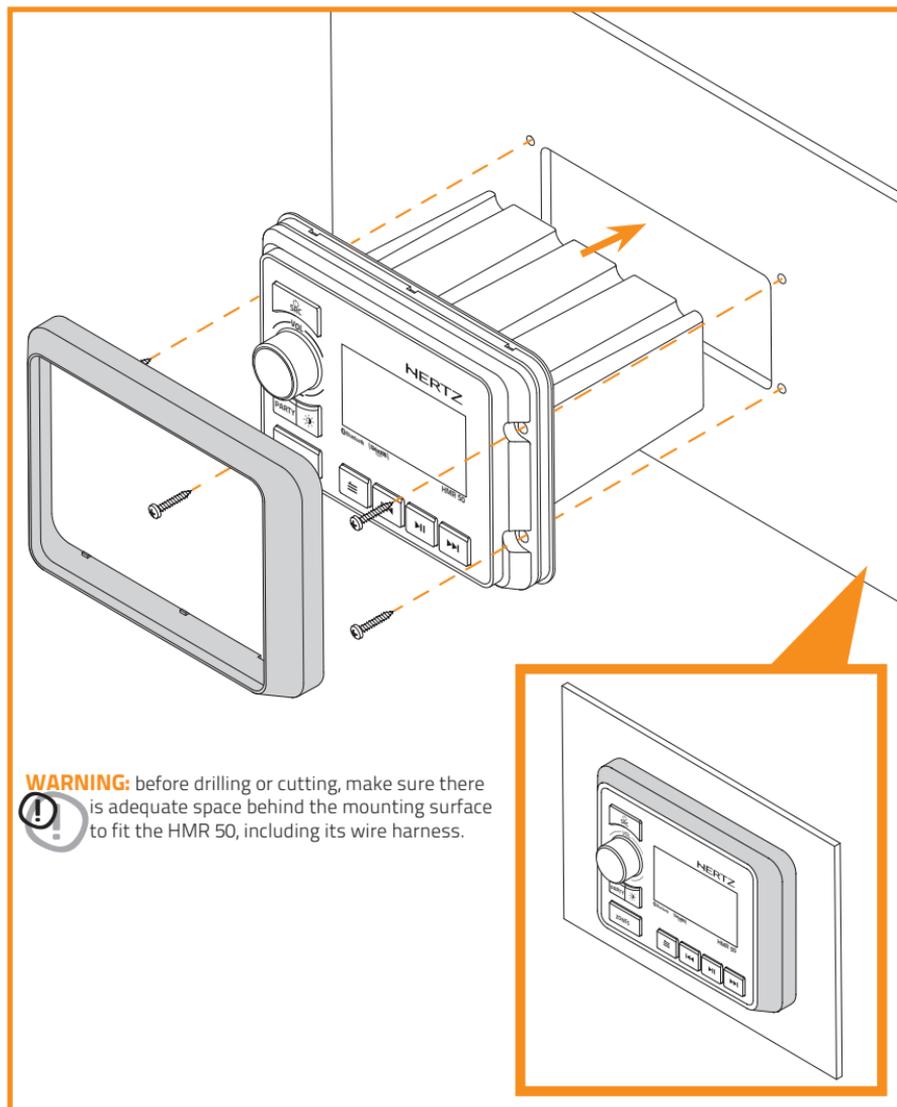
### 5.2 INSTALLATION CAUTIONS

1. In order to avoid any interference, do not install the tuner module or control unit in the proximity of the engine compartment.
2. The use of unauthorized parts can cause permanent damage to the unit.
3. Always check your wire connections to ensure proper installation before turning on the unit.
4. Consult with your nearest dealer for proper installation or if other accessories are needed to complete the installation.
5. Seek assistance if modifications or drilling holes to your vessel is needed.
6. Do not install the unit where it will be subjected to excessive moisture, dust, dirt, foreign particles or vibration. Areas of high temperature from the engine, direct sunlight, or heat sources should also be avoided.
7. Do not install the unit in a location where it will interfere with the vessel operation, or it will injure the passengers if there is a sudden or emergency stop.

### 5.3 MOUNTING HOLE



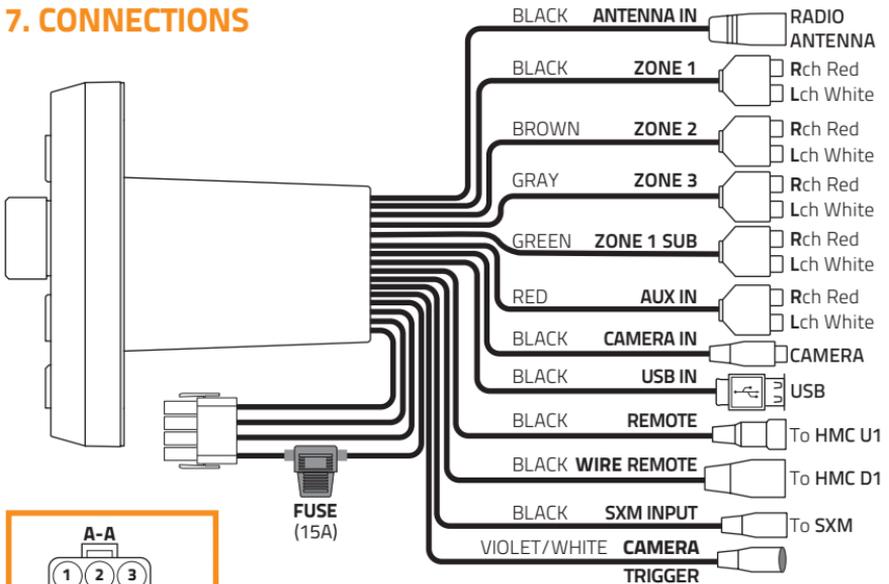
## 6. MOUNTING



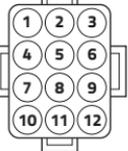
**WARNING:** before drilling or cutting, make sure there is adequate space behind the mounting surface to fit the HMR 50, including its wire harness.



## 7. CONNECTIONS



A-A

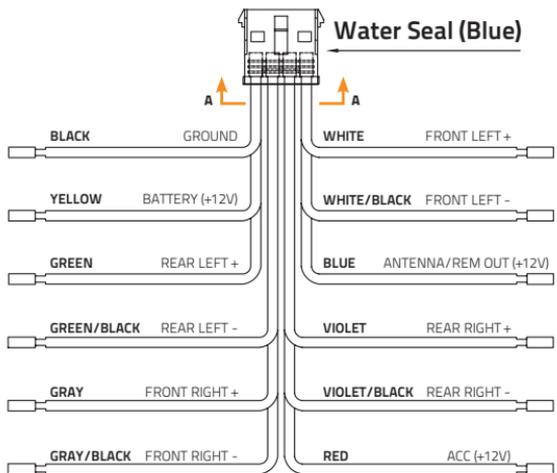


### 12 pin Harness pin out

No.	Wire color	Description
1	Yellow	Battery (+12V)
2	White/black	Front left -
3	White	Front left +
4	Red	ACC (+12V)
5	Grey/black	Front right -
6	Grey	Front right +
7	Blue	Antenna/Remote out (+12V)
8	Green/black	Rear left -
9	Green	Rear left +
10	Black	GND
11	Violet/black	Rear right -
12	Violet	Rear right +

Note: cable out view

### 12 PIN HARNESS

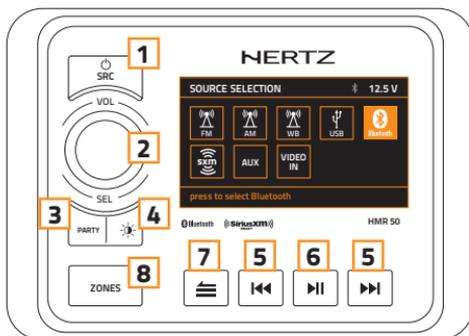


## 8. CONTROLS

### 8.1 FRONT PANEL CONTROLS

### 8.2 NAME OF BUTTONS AND THEIR FUNCTIONS

- 1**  **SRC** Button
  - Power ON (short press).
  - Power OFF (long press).
  - Enter to SOURCE SELECTION (short press).
- 2** **VOL / SEL** Knob
  - Adjust volume level (rotate).
  - Menu navigation and setting adjustments (rotate/press).
  - Mute ON/OFF (short press).
  - AM/FM: FAVORITES menu (long press).
- 3**  **PARTY** Button (long press)
  - Brings the volume of all audio zones to level "15".
- 4** **DIMMER** Button
  - Switch between two different brightness values for the display (short press).
- 5**  **Navigation** Button
  - **AM/FM mode:** previous/next preset station (short press).  
Seek the previous/next strongest station (long press).
  - **USB mode:** previous/next track (short press).  
fast forward/rewind (press and hold).
  - **BT mode:** previous/next track (short press).
  - **SiriusXM mode:** seek the next / previous channel (short press).  
quick search for the next / previous channel (long press).
- 6**  **PLAY/PAUSE** Button
  - **AM/FM mode:** access to manual tuning (short press).
  - **USB mode:** pause or resume playback (Short press).
  - **BT mode:** pause or resume playback (Short press).
  - **SiriusXM mode:** Direct Tuning function ([see sec. 9.9](#)).
- 7**  **MENU/BACK** Button
  - Access system settings (long press).
  - Exit from system settings (long press).
  - Access active source settings (short press).
  - To go back/return to the previous screen (long press).
- 8** **ZONES** Button
  - Access AUDIO ZONE LEVEL menu (short press).
  - When into AUDIO ZONE LEVEL to switch between Zone1, Zone2, SUB (short press).



## 9. OPERATIONS

### 9.1 BASIC OPERATION

**WARNING:** when the unit is turned on, starting and stopping the engine with its volume raised to the maximum level may cause hearing damage. Make sure you adjust the volume in advance.

#### 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, you may not be able to start the engine and this can reduce the service life of the battery.
1. Start the engine.



Engine ON position

2. Press  / **SCR** to turn the unit ON.
3. Press  / **SCR** to access the SOURCE SELECTION menu.
4. Rotate **VOL/SEL** knob to highlight the desired source, press to select.  
(FM>AM>WB>USB>BT>SXM \*>AUX IN>VIDEO IN).  
\*only available in USA and Canada.

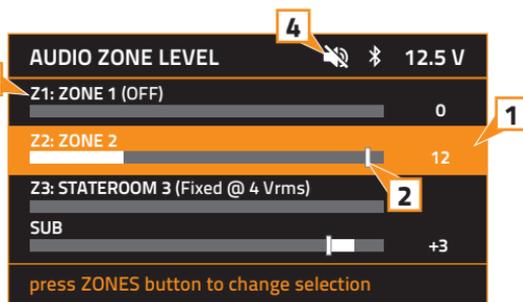
#### Adjusting the volume

Rotate **VOL/SEL** knob to increase or decrease the volume.  
The adjustable range of volume is from 0 to 40.

- The volume of each Zone and Sub relative level are adjustable separately in AUDIO ZONE LEVEL menu.
- Sub volume is linked with Zone1, adjustable relative level range is from -30 to +10.

**WARNING:** while boating, keep the volume at a level at which external sounds can still be heard.  
**Please be aware of the volume levels in residential, public areas and local volume level ordinances.**

- 1** Selected zone volume level.
- 2** Zone max volume limit.  
(rename option available, see chapter 9.2).
- 3** Zone name.  
- When in **AUDIO ZONE LEVEL** to change between Zone1, Zone2, Zone3, SUB.  
(short press).
- 4** Mute on.



## 9.2 SYSTEM SETTING

### System Setting Menu

- Long press  to access the system settings menu.
- Rotate **VOL/SEL** knob to highlight one of the available options, press to select. (DISPLAY>AUDIO> BEEP> SYSTEM >LOW BATTERY ALERT>).
- Press  to go back to the previous screen menu.
- Long press  to exit from the system settings menu.

### Display

- Rotate **VOL/SEL** knob to highlight one of the available options, press to select. (DIMMER>DIMMER BRIGHTNESS>BUTTONS BACKLIGHT, TEXT SCROLLING).

#### DIMMER

Press **VOL/SEL** knob to enable  or disable  this function.

#### DIMMER BRIGHTNESS

Press **VOL/SEL** knob to switch between the options:

**DIMMER ON:** rotate **VOL/SEL** knob to adjust brightness level from 0 to 8 when dimmer is enabled.

**DIMMER OFF:** rotate **VOL/SEL** knob to adjust brightness level from 0 to 8 when dimmer is disabled.

#### BUTTONS BACKLIGHT

Rotate **VOL/SEL** knob to highlight one of the available options, press to select. (RED>GREEN>BLUE>WHITE>YELLOW>PURPLE>CAMBRIDGE BLUE>AUTO)

**TEXT SCROLLING** (enable continuous text scrolling where available)

Rotate **VOL/SEL** knob to enable  or disable  this function.

### Audio

#### ZONE 1 (settings for ZONE 1 rca out, speaker outputs and ZONE 1 SUB rca out)

- Rotate **VOL/SEL** knob to highlight one of the available options, press to select. (EQ>BALANCE-FADER>LOUDNESS>CROSSOVER>SUB>ZONE RENAME>MAX VOLUME LIMIT>LEVEL CONTROL MODE).

#### EQ (Equalizer Setting)

Rotate **VOL/SEL** knob to highlight one of the available options, press to select.

(CUSTOM>CLASS>JAZZ>ROCK>POP>FLAT)

The "CUSTOM" curve can be customized by the user:

- Rotate **VOL/SEL** knob and select the "CUSTOM" curve.
- Press **VOL/SEL** knob to select the desired frequency.
- Rotate **VOL/SEL** knob to vary the gain level of the selected frequency.
- Press again **VOL/SEL** knob to go to the following frequency.

#### BALANCE-FADER

Press **VOL/SEL** knob to switch between the options:

**Balance:** rotate **VOL/SEL** knob to adjust the Balance between the right and left channels from R07 (full right) to L07 (full left).

**Fader:** rotate **VOL/SEL** knob to adjust the level from F07 (full front) to R07 (full rear).

#### LOUDNESS

Rotate **VOL/SEL** knob to enable  or disable  this function.

**CROSSOVER** (to set the cutoff frequency for ZONE 1 rca out and speaker outputs).

Rotate the knob to select the desired cut-off frequency of the high pass filter (OFF>100Hz>80Hz>60Hz)

#### SUB (ZONE 1 SUB out settings)

##### SUB LEVEL

Rotate **VOL/SEL** to adjust the output volume level from -30 to +10.

**SUB LPF** (to set the subwoofer cut-off frequency).

Rotate **VOL/SEL** knob to select the desired cut-off frequency of the low pass filter.

(OFF>100Hz>80Hz>60Hz).

#### **INVERT PHASE**

Rotate **VOL/SEL** knob to select the phase of the signal on the output.

When the function is **enable**  the signal phase is inverted (180°).

**ZONE RENAME** (to select the desired name of an audio zone, to facilitate identification)

Rotate **VOL/SEL** knob to highlight one of the available options, press to select.

(BOW>BRIDGE>COCKPIT>FLY>GALLEY>HELM>SALOON>STATEROOM 1  
STATEROOM 2>STATEROOM 3>STERN>TOWER>TRANSOM>ZONE 1).

**MAX VOLUME LIMIT** (to limit the maximum volume output of this zone).

Rotate **VOL/SEL** knob to adjust the desired Volume level limit from 0 to 40.

#### **LEVEL CONTROL MODE.**

Rotate **VOL/SEL** knob to highlight one of the available options:

- **VARIABLE** (default): the volume level of the signal output from this audio zone is variable and can be controlled via the volume mixer ([ZONES] button).

- **FIXED 4 VRMS MAX**: the level of the output signal from this audio zone is fixed at 4Vrms. It will no longer be possible to change the volume level for this zone until the "Variable" mode is selected.

- **FIXED 2 VRMS MAX**: the level of the output signal from this audio zone is fixed at 2Vrms.

It will no longer be possible to change the volume level for this zone until the "Variable" mode is selected.

- **FIXED 1 VRMS MAX**: the level of the output signal from this audio zone is fixed at 1Vrms.

It will no longer be possible to change the volume level for this zone until the "Variable" mode is selected.

- **OFF**: this audio zone is off. This zone will no longer play any sound until "Variable" or "Fixed" mode is selected.

### **ZONE 2 - ZONE 3 (ZONE 2 rca out, ZONE 3 rca out setting).**

- Rotate **VOL/SEL** knob to highlight one of the available options, press to select.

(EQ>BALANCE >LOUDNESS>ZONE RENAME>MAX VOLUME LIMIT>LEVEL CONTROL MODE).

#### **EQ (Equalizer Setting)**

Rotate **VOL/SEL** knob to highlight one of the available options, press to select.

(CUSTOM>CLASS>JAZZ>ROCK>POP>FLAT).

The "CUSTOM" curve can be customized by the user:

- Rotate **VOL/SEL** knob and select the "CUSTOM" curve.

- Press **VOL/SEL** knob to select the desired frequency.

- Rotate **VOL/SEL** knob to vary the gain level of the selected frequency.

- Press again **VOL/SEL** knob to go to the following frequency.

#### **BALANCE**

**Balance**: rotate **VOL/SEL** knob to adjust the Balance between the right and left channels from R07 (full right) to L07 (full left).

#### **LOUDNESS**

Rotate **VOL/SEL** knob to **enable**  or **disable**  this function.

**ZONE RENAME** (to select the desired name of an audio zone, to facilitate identification).

Rotate **VOL/SEL** knob to highlight one of the available options, press to select.

(BOW>BRIDGE>COCKPIT>FLY>GALLEY>HELM>SALOON>STATEROOM 1  
STATEROOM 2>STATEROOM 3>STERN>TOWER>TRANSOM>ZONE 2\*).

\*ZONE 3 for the ZONE 3.

**MAX VOLUME LIMIT** (to limit the maximum volume output of this zone).

Rotate **VOL/SEL** knob to adjust the desired Volume level limit from 0 to 40.

## LEVEL CONTROL MODE

Rotate **VOL/SEL** knob to highlight one of the available options:

- **VARIABLE (default)**: the volume level of the signal output from this audio zone is variable and can be controlled via the volume mixer ([**ZONES**] button).
- **FIXED 4 VRMS MAX**: the level of the output signal from this audio zone is fixed at 4Vrms. It will no longer be possible to change the volume level for this zone until the "Variable" mode is selected.
- **FIXED 2 VRMS MAX**: the level of the output signal from this audio zone is fixed at 2Vrms. It will no longer be possible to change the volume level for this zone until the "Variable" mode is selected.
- **FIXED 1 VRMS MAX**: the level of the output signal from this audio zone is fixed at 1Vrms. It will no longer be possible to change the volume level for this zone until the "Variable" mode is selected.
- **OFF**: this audio zone is off. This zone will no longer play any sound until "Variable" or "Fixed" mode is selected.

## Beep

Press **VOL/SEL** knob to **enable**  or **disable**  this function.

## System

(FACTORY DEFAULT>SOFTWARE VERSION)

### FACTORY DEFAULT

Press **VOL/SEL** knob, then select and press [**YES**] to restore all settings to the factory default values.

### SOFTWARE VERSION

Press **VOL/SEL** knob to show the software version information.

## Low Battery Alert (Notifies of low battery voltage condition).

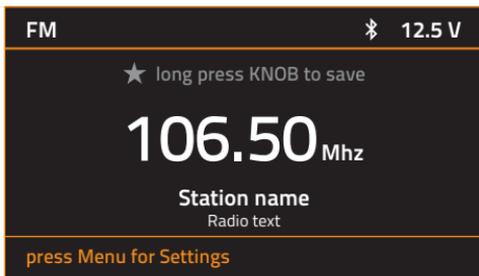
Press **VOL/SEL** knob to **enable**  or **disable**  this function.

**Remark:** this notification alerts you when the 12VDC supply voltage drops below 10 volts. If enabled, the device will enter safe mode and disable the audio output. A warning will also be displayed on the screen with instructions to shut down the device until normal operating voltage is restored.

## 9.3 Tuner Operation (AM/FM)

### Select tuner as Playing Source

1. Press  / **SCR** to access the SOURCE SELECTION menu.
2. Rotate **VOL/SEL** knob to highlight the desired tuner mode, press to select (**FM>AM**).



## Settings menu (AM/FM)

- Press  to access the settings menu. (AM/FM).
- Rotate **VOL/SEL** knob to highlight the desired option, press to select.  
(PRESETS>RADIO REGION>LOCAL>AUTO STORE>RDS\*>AF\*).
- Press  to go back to the previous screen or exit the menu.

### PRESETS

- Press **VOL/SEL** knob to access the FAVORITES list.
- Rotate **VOL/SEL** knob to select the desired preset then press to select.

### RADIO REGION

Rotate **VOL/SEL** knob to highlight the desired radio region, press to select.  
(EUROPE>USA).

#### LOCAL (to tune in only the stations with the strongest signal)

Press **VOL/SEL** knob to enable  or disable  this function.

### AUTO STORE

(only station with sufficient signal strength will be detected and stored in the memory).  
Press **VOL/SEL** knob to automatically find the available stations and store them into presets (the new station replaces any stations already stored).

### RDS (FM Radio Data System)

Press **VOL/SEL** knob to enable  or disable  this function.

### AF (FM Alternative Frequencies)

Press **VOL/SEL** knob to enable  or disable  this function

## Preset station selection (AM/FM)

- Press  to move to the previous preset.
- Press  to move to the next preset.

## Auto Seek Tuning (AM/FM)

- Long press  to SEEK the previous strongest station.
- Long press  to SEEK the next strongest station.

## Manual Tune (AM/FM)

- Press  to access the manual seek tuning, the screen will display **MANUAL tune** (the system returns to **AUTO** mode after a few seconds if no key is pressed).
- Press  or  to manually tune to the desired frequency.  
(the system returns to **AUTO** mode after a few seconds if no key is pressed).

**Save a preset** (You can save up to 18 of your favorite stations when in FM, or up to 12 when in AM, as presets for a quick access).

- 1) Tune the desired station / frequency.
- 2) Long press **VOL/SEL** knob to access the FAVORITES screen (AM/FM).
- 3) Rotate **VOL/SEL** knob to select the desired preset number.
- 4) Long press **VOL/SEL** knob to store it.

**Select a preset from FAVORITES list (AM/FM).**

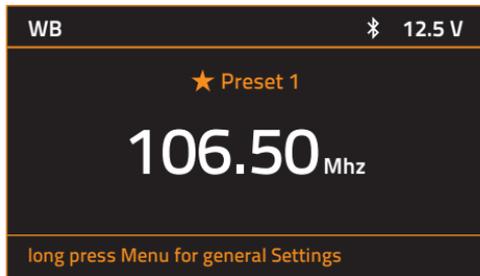
- 1) Long press **VOL/SEL** knob to access the FAVORITES screen (AM/FM).
- 2) Rotate **VOL/SEL** knob to highlight the desired preset, press to select.



## 9.4 WEATHER BAND TUNER OPERATION (AM/FM)

**Select WB tuner as Playing Source**

1. Press  / **SCR** to access the SOURCE SELECTION menu.
2. Rotate **VOL/SEL** knob to highlight the desired tuner mode, press to select (WB).



**Preset Station Selection (AM/FM)**

- Press  to move to the previous preset.
- Press  to move to the next preset.

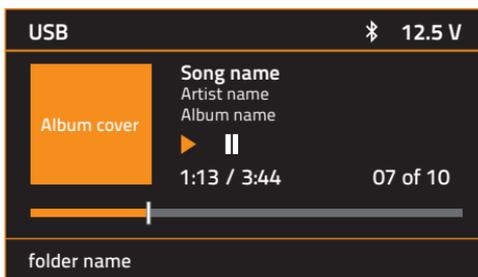
## 9.5 USB Mode Operation (available only when a USB device is connected)

### Select USB as Playing Source

1. Press / **SCR** to access the SOURCE SELECTION menu.
2. Rotate **VOL/SEL** knob to highlight **USB**, press to select.

### Connecting a USB device

- Insert a USB device into the USB port (please check the tech sheet at the end of this manual for details).
- To remove the USB device, you should select another source or turn off the power, in order to avoid damaging the USB device. Then remove the USB device.



### Select a Track

- Press to move to the next track/song. Press to go back to the previous track/song.

### Fast Forward/Fast Rewind

- Press and hold to fast forward through the track/song.
- Press again and hold to speed up the progress.
- Press and hold to fast rewind through the track/song.
- Press to return to playback.

### Play / Pause

- Press the to pause the track/song that is currently playing, lights up.
- Press the to resume playing the track/song that has been paused, lights up.

### USB Setting Menu

- 1 Press to enter the USB settings menu.
- 2 Rotate **VOL/SEL** knob to the desired option, press to select (**BROWSER>REPEAT>SHUFFLE**).
- 3 Press to go back to previous screen or exit from the menu.

#### BROWSER

- Use **VOL/SEL** knob and to browse the USB device content. Rotate **VOL/SEL** knob to highlight the desired song or folder. Press **VOL/SEL** knob to play the song or access the folder. Press to exit from the current folder. Press to exit the USB browsing (only if you are in the USB root).

**Remark:** the system exits from the USB browsing after a few seconds if no button is pressed.

## REPEAT

Rotate **VOL/SEL** knob to the desired option, press to select:

**REPEAT OFF**>**REPEAT ONE**>**REPEAT DIR**>**REPEAT ALL** [DEFAULT]:

**REPEAT OFF:** the repeat play function is disabled. No "repeat" logo is shown on the screen.

**REPEAT ONE:** repeat playback of the current track. The logo  is displayed on the screen.

**REPEAT DIR:** repeat playback of the songs contained in the current folder. The logo  is displayed on the screen.

**REPEAT ALL:** when all the tracks contained in the device have been played, playback restarts from the first track. The logo  is displayed on the screen.

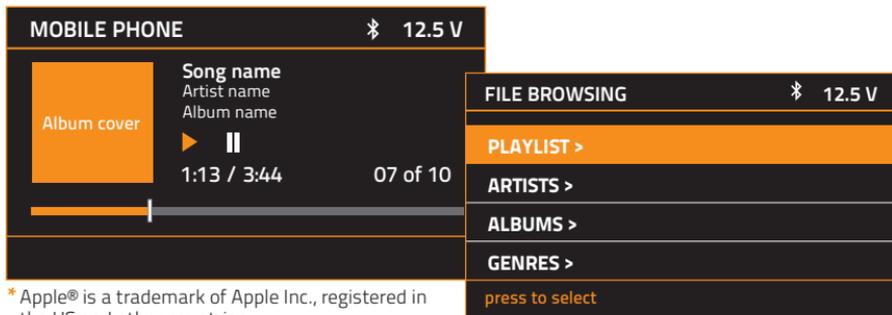
## SHUFFLE

Rotate **VOL/SEL** knob to **enable**  or **disable**  this function.

When enabled the logo  is displayed on the screen.

## 9.6 MUSIC PLAYBACK ON AN APPLE DEVICE CONNECTED VIA USB

1. Connect a compatible Apple smartphone or media player to the head unit via USB.
2. You can use the music application on the Apple® device or the head unit controls to browse the music library and to select, play, pause and skip tracks.



\* Apple® is a trademark of Apple Inc., registered in the US and other countries.

### Select the desired song

The songs contained in the \* Apple® device are grouped as it happens in the device itself, through playlists, such as: "Playlists", "Artists", "Albums", "Genres", "Songs", "Composers" and "Audiobooks".

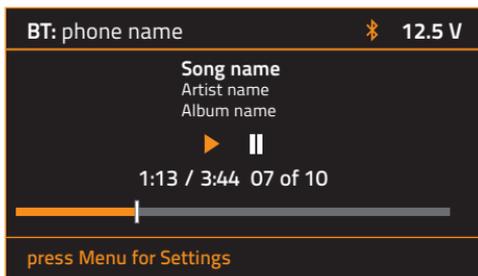
- Press  to view the contents of the Apple® device.
- Rotate **VOL/SEL** knob to highlight the desired playlist. Press to confirm selection.
- Rotate **VOL/SEL** knob to highlight the desired track. Press **VOL/SEL** knob to play the track.
- Press  to go back.

**Remark:** the system exits USB navigation after a few seconds if no button is pressed.

## 9.7 BLUETOOTH OPERATION

### Select Bluetooth as Playing Source

1. Press  / **SCR** to access the SOURCE SELECTION menu.
2. Rotate **VOL/SEL** knob to highlight **BT**, press to select.



### Pair Bluetooth Device

Enable Bluetooth in your streaming device and scan for nearby devices, select HMR 50 from your list of available devices to connect.

### Disconnect Current Device

- 1 When the device is connected short press  to access **BT Setting**.
- 2 Rotate **VOL/SEL** knob and select **SELECT DEVICE**. Press to select.
- 3 The device currently connected is highlighted with the icon .
- 4 Rotate **VOL/SEL** knob to select the device currently connected and to be disconnected.
- 5 Press **VOL/SEL** knob to disconnect the selected device. The icon becomes .

### Connect Last Device

- 1 When the device is disconnected short press  to access **BT Setting**.
- 2 Rotate **VOL/SEL** knob and select **SELECT DEVICE**. Press to select.
- 3 Rotate **VOL/SEL** knob to select the device to connect.
- 4 Press **VOL/SEL** knob to connect the device selected. The icon becomes .

### Remove a device from the list of paired devices

- 1 Short press  to access **BT Setting**.
- 2 Rotate **VOL/SEL** knob and select **REMOVE DEVICE**. Press to select.
- 3 Rotate **VOL/SEL** knob to select the device to remove.
- 4 Press **VOL/SEL** knob to remove the device selected.

**WARNING:** 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 depends on the mobile phone used.



### Play / Pausa

- Press **▶||** to pause the track/song that is currently playing. The icon **||** is displayed on the screen.
- Press **▶||** to resume playing the track/song that has been paused.  
The icon **▶** is displayed on the screen.

### Select a Track

- Press **◀◀** to move on to the previous track/song.
- Press **▶▶** to go back to the next track/song.

**Remark:** playing order will depend on Bluetooth audio player. When **◀◀** is pressed some A2DP devices will restart the current track depending on the duration of the playback. 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.

## 9.8 SiriusXM®

SiriusXM is where moments happen. The widest, deepest variety of music, ad-free. More games, more sports, more coverage than anywhere. The most extensive entertainment, complete news coverage and every kind of comedy. Listen in your car, on your phone, online and at home. A SiriusXM Connect Tuner and subscription are required. For more information, visit [www.siriusxm.com](http://www.siriusxm.com).

### SiriusXM ACTIVATION PROCESS

#### 1 Activating your SiriusXM Subscription

After installing your SiriusXM Connect Tuner and antenna, power on your HMR 50 and select SiriusXM mode. You should be able to hear the SiriusXM preview channel on Channel 1. If you cannot hear the preview channel, please check the installation instructions to make sure your SiriusXM Connect tuner is properly installed.

After you can hear the preview channel, tune to Channel 0 to find the Radio ID of your tuner. In addition, the Radio ID is located on the bottom of the SiriusXM Connect Tuner and its packaging. You will need this number to activate your subscription. Write the number down for reference.

**Note:** the SiriusXM Radio ID does not include the letters I, O, S or F.

In the USA, you can activate online or by calling SiriusXM Listener care:

- Visit [www.siriusxm.com/activatenow](http://www.siriusxm.com/activatenow).
- Call SiriusXM Listener Care at 1-866-635-2349.

For Canadian Subscriptions, please contact:

- Visit [www.siriusxm.ca/activate](http://www.siriusxm.ca/activate).
- Call SiriusXM Customer Care at 1-888-539-7474.

As part of the activation process, the SiriusXM satellites will send an activation message to your tuner. When your radio detects that the tuner has received the activation message, your radio will display:

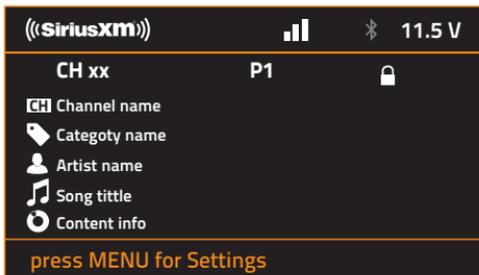
#### SUBSCRIPTION UPDATED.

Once subscribed, you can tune to channels in your subscription plan. Note, the activation process usually takes 10 to 15 minutes, but may take up to an hour. Your radio will need to be powered on and receiving the SiriusXM signal to receive the activation message.

#### 2 IDENTIFYING THE SiriusXM Connect Tuner RADIO ID NUMBER

The SiriusXM Radio ID is required for activation and can be found by tuning to Channel 0 as well as by looking on the label found on the SiriusXM Connect Tuner and its packaging. The Radio ID does not include the letters I, O, S or F.

## SiriusXM INTERFACE



### CH xx CHANNEL NUMBER

The currently playing channel number will appear.

### P1 PRESET NUMBER

The currently playing channel preset number will appear.



### LOCKED/UNLOCKED CHANNEL ICON

These icons inform the users if the channel is locked or not.



### CHANNEL NAME

The currently playing channel name will appear below the SiriusXM channel number.



### CATEGORY NAME

The category associated with the current channel will appear below the channel name.



### ARTIST NAME

The name of the artist of the currently playing song will appear below the category name.



### SONG TITLE

The currently playing song title will appear below the artist name.



### CONTENT INFO

Any additional information associated with the currently playing song will appear below the song title.

## DIRECT TUNING

Selecting a channel using the Direct Tuning feature.

1. From the primary SiriusXM Interface, press the [PLAY/PAUSE] button.
2. Enter the 3-digit Channel Number in the pop-up window by turning the KNOB to scroll to the first digit.
3. Press the KNOB to confirm the first digit, proceeding to the second digit.
4. Turn the KNOB, scrolling to the second digit.
5. Press the KNOB to confirm the second digit, proceeding to the third digit.
6. Turn the KNOB, scrolling to the third digit.
7. Press the KNOB to confirm the third digit and tune the entered channel.

## SiriusXM SETTINGS

To access SiriusXM settings, press the MENU button to view the list of settings options. Turn the KNOB, scrolling to highlight the desired setting, then press the KNOB to view the available options for the setting.

### 1 CATEGORY LIST

Select CATEGORY LIST to choose a content category and view the channels that broadcast content related to the category.

To browse content categories:

1. Press the MENU key to access SiriusXM Settings.
2. Turn the KNOB scrolling to & highlighting CATEGORY.
3. Press the KNOB to access the category list.
4. Turn the KNOB to scroll the category list & highlight the desired content category.
5. Press the KNOB to view the channels broadcast content relative to the category.
6. Turn the KNOB to scroll the channel list & highlight the desired channel.
7. Press the KNOB to tune the desired channel.

Visit [www.siriusxm.com](http://www.siriusxm.com) for more information about the SiriusXM Connect Tuner Channel lineup.

### 2 SELECTING PRESETS

To browse content categories:

1. Press the MENU key to access SiriusXM Settings.
2. Turn the KNOB scrolling to highlighting PRESETS.
3. Press the KNOB to access the preset list.
4. Turn the KNOB to scroll the preset list & highlight the desired preset channel.
5. Press the KNOB to tune the desired channel.

### 3 SAVING PRESETS

To save a preset:

1. Press the MENU key to access SiriusXM SETTINGS.
2. Press the KNOB, scrolling to and highlight SAVE PRESETS.
3. Press the KNOB to access the preset list.
4. Turn the KNOB to scroll the preset list and highlight the desired preset location (1 - 18).
5. Press the MFD to confirm and save the channel in the desired preset location. Saving a new channel in a preset location will replace a previously saved channel.

### 4 PARENTAL CONTROL

The Parental Control feature allows you to limit access to SiriusXM channels with mature content. When enabled, the Parental Control feature requires you to enter a passcode to tune to the locked channels. Information on setting up the passcode and locking channels can be found below.

1. Press the MENU key to access SiriusXM SETTINGS.
2. Turn the knob, scrolling to and highlight LOCK MATURE CHANNEL.
3. Press the knob to enter the ability to activate or deactivate the Parental Control feature.

How to Lock (restrict) or Unlock (unrestricted) the Parental Control Mature Channels.

The default Lock Code is: 5220.

1. Enter the 4-digit default Lock Code in the pop-up window by turning the KNOB to scroll to the first digit.
2. Press the KNOB to confirm the first digit, and proceed to the second digit.
3. Turn the KNOB, and scroll to the second digit.
4. Press the KNOB to confirm the second digit, and proceed to the third digit.
5. Turn the KNOB, and scroll to the third digit.
6. Press the KNOB to confirm the third digit, and proceed to the fourth digit.
7. Turn the KNOB, and scroll to the fourth digit.
8. Press the KNOB to confirm the fourth digit.
9. Turn the KNOB, and select either ON or OFF.
10. Press the KNOB after selecting ON to Lock the Parental Control Mature Channels or OFF to unlock Parental Control Mature Channels.

### MANAGE LOCK CODE

Select MANAGE LOCK CODE to change the default or current Parental Control Lock code.

1. Press the MENU key to access SiriusXM SETTINGS.

2. Turn the KNOB, scrolling to and highlight MANAGE LOCK CODE.

Press the KNOB to access the ability to change the default or current Parental Control Lock code. Entering a new Parental Control Lock code.

The default Lock Code is: 5220

1. Enter the 4-digit default or current Lock Code in the pop-up window by turning the KNOB to scroll to the first digit.
2. Press the MFD to confirm the first digit, and proceed to the second digit.
3. Turn the KNOB, and scroll to the second digit.
4. Press the KNOB to confirm the second digit, and proceed to the third digit.
5. Turn the KNOB, and scroll to the third digit.
6. Press the KNOB to confirm the third digit, and proceed to the fourth digit.
7. Turn the KNOB, and scroll to the fourth digit.
8. Press the KNOB to confirm the fourth digit.
9. Enter the new 4-digit Lock Code in the pop-up window by following steps 1-8 above.

### SiriusXM FACTORY DEFAULT

Select SiriusXM FACTORY DEFAULT to reset all SiriusXM Connect Tuner setting to default.

Defaulted settings include Presets, Parental Lockout Code, Locked Channels, etc.

1. Press the MENU key to access SiriusXM SETTINGS.

2. Turn the KNOB, scrolling to and highlight SXM FACTORY DEFAULT.

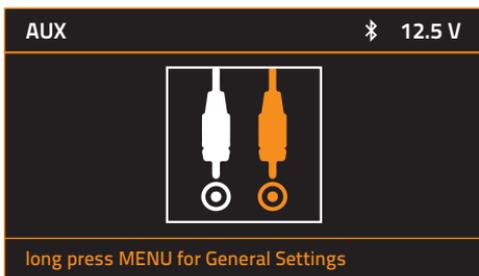
3. Press the KNOB to access the ability to reset all SiriusXM settings to factory default.

Defaulted settings include Presets, Parental Control Locked Channels and Parental Control Lock Code.

## 9.9 AUX IN MODE OPERATION

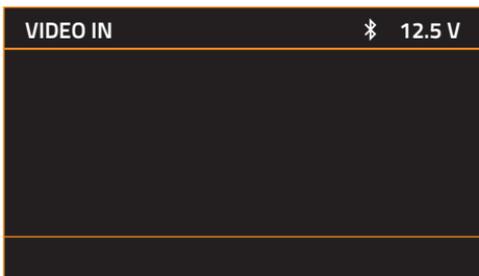
The AUX In RCA inputs in this system are provided to allow playback of sounds and music from external devices connected to this unit.

1. Press **○/SRC** to access the SOURCE SELECTION menu.
2. Rotate **VOL/SEL** knob to highlight **AUX**, press to select.



## 9.10 VIDEO IN MODE OPERATION

The **CAMERA IN** RCA input (yellow) allows you to view images from an external camera (optional).



### Automatic switching to VIDEO IN mode

HMR 50 is equipped with a specific function that allows you to activate/deactivate the **VIDEO IN** mode via an external command provided by the user through the "**CAMERA TRIGGER**" wire (purple/white) on the back of the radio.

When +12V is applied to the "**CAMERA TRIGGER**" wire, the radio switches to **VIDEO IN** mode. When the +12V voltage is removed from the above control wire, the system reverts to the previously played source.

## 10. OPTIONAL ACCESSORIES



### HMC U1

Compact remote control. Thanks to IPX7 certification you can install HMC U1 remote control anywhere on the boat (3.5mm jack cable).



### HMA C3.5Y

Y cable for HMC U1 (3.5mm jack cable; from 1 male to 2 female). To connect two HMC U1 to the head unit.



### HMA C3.5

Extension cable for HMC U1 (3.5mm jack cable).



### HMA USB AUX IN

2 mt water proof extension cable.



### HMC D1 REMOTE CONTROL

Advanced remote control that replicates the HMR 50 head unit display. Through the HMC D1 it is possible to manage all the functions of the HMR 50 head unit remotely (13pin connector).



### HMA C1306

10mt extension cable for HMC D1 (13pin connector).



### HMA C13Y

Y cable for HMC D1 (13pin connector). To connect two HMC D1 remote controls to the head unit.

## 11. TROUBLESHOOTING

### 11.1 GENERAL

Problem	Cause	Remedy
Unit cannot power on.	Unit fuse blown.	Replace with new fuse of correct value.
	Vessel battery fuse blown.	Replace with new fuse of correct value.
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.
Poor sound quality or distortion.	Speaker wiring is in contact with metal part of vessel.	Insulate all speaker wiring connections.
	Speaker power rating does not match unit.	Replace speakers.
	Wrong connections.	Check wiring and correct.
Unit resets itself when engine is off.	Speaker is shorted.	Check wiring and correct.
	Incorrect connection between ACC and Battery.	Check wiring and correct.
Auto seek function can not find any stations.	The antenna cable is not connected.	Insert the antenna cable securely.
	The signals are too weak.	Select a station manually.

### 11.2 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 or USB SOURCE not accessible.	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 showing "No File".	No MP3 / WMA / WAV* file is stored in the USB device.	Store these files properly in the USB device.
Sound skips or is noisy.	MP3 / WMA / WAV* files are not encoded properly.	Use properly encoded MP3 / WMA / WAV* files.

\*16bit/44.1kHz only

**11.3 BLUETOOTH**

<b>Problem</b>	<b>Cause</b>	<b>Remedy</b>
Cannot pair the Bluetooth enabled device with the audio system.	The device does not support the profiles required for the system.	The external BT device is not compatible.
	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.

## 11.4 SiriusXM Connect Tuner TROUBLESHOOTING

Problem	Cause	Remedy
Check Antenna.	The radio has detected a fault with the SiriusXM antenna. The antenna cable may be either disconnected or damaged.	Verify that the antenna cable is connected to the SiriusXM Connect Vehicle Tuner. Inspect the antenna cable for damage and kinks. Replace the antenna if the cable is damaged. SiriusXM products are available at your local car audio retailer or online at <a href="https://shop.siriusxm.com/all-parts/">https://shop.siriusxm.com/all-parts/</a>
Check Tuner.	The radio is having difficulty communicating with the SiriusXM Connect Vehicle Tuner. The tuner may be disconnected or damaged.	Verify that the SiriusXM Connect Vehicle Tuner cable is securely connected to the radio.
No Signal.	The SiriusXM Connect Tuner is having difficulty receiving the SiriusXM satellite signal.	Verify that your vessel is outdoors with a clear view of the sky. Cable is damaged. Verify that the SiriusXM magnetic mount antenna is mounted on a metal surface on the outside of the vessel. Move the SiriusXM antenna away from any obstructions. Inspect the antenna cable for damage and kinks. Consult the SiriusXM Connect Tuner installation manual for more information on antenna installation. Replace the antenna if the SiriusXM products are available at your local car audio retailer or online at <a href="https://shop.siriusxm.com/all-parts/">https://shop.siriusxm.com/all-parts/</a> .
Subscription Updated.	The radio has detected a change in your SiriusXM subscription status.	Press [BACK] to clear the message. In the U.S.A., visit <a href="http://www.siriusxm.com">www.siriusxm.com</a> or call 1-866-635-2349 if you have questions about your subscription. In Canada, visit <a href="http://www.siriusxm.ca/activate">www.siriusxm.ca/activate</a> or call Customer Care at 1-888-539-7474 if you have questions about your subscription.
Channel Unavailable.	The channel that you have requested is not a valid SiriusXM channel or the channel that you were listening to is no longer available. You may also see this message briefly when first connecting a new SiriusXM Connect Tuner.	Visit <a href="http://www.siriusxm.com">www.siriusxm.com</a> for more information about the SiriusXM channel lineup.
Channel Unsubscribed.	The channel that you have requested is not included in your SiriusXM subscription package or the channel that you were listening to is no longer included in your SiriusXM subscription package.	In the U.S.A., visit <a href="http://www.siriusxm.com">www.siriusxm.com</a> or call 1-866-635-2349 if you have questions about your subscription package or would like to subscribe to this channel. In Canada, visit <a href="http://www.siriusxm.ca/activate">www.siriusxm.ca/activate</a> or call Customer Care at 1-888-539-7474
Channel Locked.	The channel that you have requested is Locked by the radio Parental Control feature.	See <a href="#">(the section on Parental Control, page 24)</a> for more information on the Parental Control feature and how to access locked channels.

## 12. TECHNICAL SPECIFICATIONS

<b>FM TUNER</b>			<b>CAMERA INPUT</b>	
Frequency Range	USA	87.9 - 107.9 MHz	Ingresso Video	Ingresso RCA CVBS (PAL/NTSC)
	Europe	87.5 - 108.0 MHz		
<b>AM TUNER</b>			<b>AUX IN</b>	
Frequency Range	USA	530 - 1710 KHz	Ingresso Audio	Stereo RCA (1 VRMS)
	Europe	531 - 1620 KHz		
<b>AUDIO</b>			<b>GENERAL</b>	
Maximum Power Output	50 W x 4 (@ 4 Ohm)		Power Supply Voltage	12 V DC (10 to 16 V allowable)
Speaker impedance	4-8 ohms per channel		Grounding System	Negative Ground
Line Max Output Level @ 0.1 % THD	Zone 1: 4Vrms x 2 (RCA Stereo)		Operating Temperature Range	-20°C to 70°C (-4°F to 158°F)
	Zone 2: 4Vrms x 2 (RCA Stereo)		IP Protection	IP66 IEC60529
	Zone 3: 4Vrms x 2 (RCA Stereo)		Voltage Gauge	Yes
	Sub: 4Vrms x 2 (RCA Stereo)		Over/Low Voltage	Alert
Tone Controls	Zone 1: Balance, Fader		Over Temperature	Protection**
	Zone 2/3: Balance		Display Type	3.5" COLOR TFT IPS (640 x 480 pixels)
EQ (8 bande)	Zone 1/2/3		<b>SIZE</b>	
	(6 presets each zone)		Unit Dimensions mm / (in.) W x H x D	146 x 105 x 121 (5.75 x 4.13 x 4.76)
Zone 1 High Pass crossover frequency	60Hz,80Hz,100Hz,OFF		Mounting depth mm/(in.)	99 (3.89)
Sub Low Pass crossover frequency	60Hz,80Hz,100Hz,OFF		Mounting Hole size mm/(in.) W x H	122 x 52 (4.8 x 2.05)
<b>USB</b>			<b>WEIGHT</b>	
Interface	2.0 Full Speed		g/(lb)	830 (1.83)
Maximum Current Output	2 A		<b>CEA SPECIFICATIONS</b>	
USB Voltage	5.0 V			Output power @ 4Ω, ≤1% THD+N, 14.4 V: 22 W x 4 RMS
Supported Audio Format	MP3, WMA, WAV(16bit/44.1kHz only)			
Maximum MP3/WMA Songs	Max Folder: 256 Max File: 999 Max files per folder: 999			
USB Flash Drive	Max Capacity 64 GB			
Compatible Format	FAT/FAT32			
Apple® Compatibility	*iPhone 6 or following (functionality subordinated to compatible version of IOS)			
<b>BLUETOOTH</b>			<b>NOTE:</b> Specifications and design are subject to change without notice for further improvement.	
Specification	Bluetooth Version 5.0 with Qualcomm® aptX™ audio		* Apple®, AirPlay®, iPhone® and iPod touch® are trademarks of Apple Inc., registered in the US and other countries	
Supported Profiles	<ul style="list-style-type: none"> <li>A2DP (Advanced Audio Distribution Profile)</li> <li>AVRCP 1.5 (Audio/Video Remote control profile)</li> <li>SSP (Simple Secure Pairing)</li> </ul>		** To avoid an excessive overheating, the unit will enter in Safe Mode and mute the audio output. A warning will also be displayed on-screen with instructions to turn the unit off. Until normal operating temperature is restored.	
Connection Range	Up to 10m (30ft.)			







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