EUPHORIA™

EMR-7BT

Full Color LCD Digital Marine Receiver

EUPHORIA

EMR-7BT Digital Marine Receiver Bluetooth® 5V

SW−
Z1

SW+
Z2

MENU

MENU
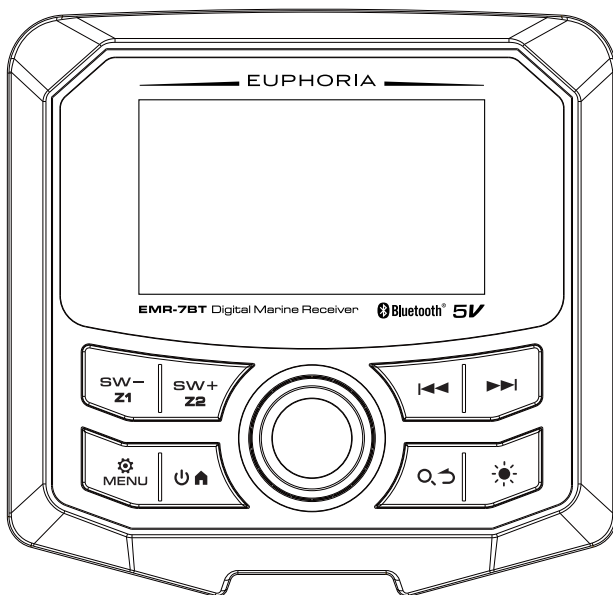
USER MANUAL

Installation Instructions | Owner's Manual

Due to continuous improvement of the product, specifications are subject to change without notice.

Congratulations on your purchase of Euphoria's state-of-the-art EMR-7BT Digital Media Receiver. Your selection of a Euphoria product indicates a true appreciation of fine musical reproduction.

Product Commitment

Euphoria's engineering professionals harnessed years of expertise, experience and passion, coupled with exhaustive testing and creative design to develop the optimal product and performance for your musical enjoyment. This is our commitment to you. It's what you deserve and have come to expect from Euphoria. We appreciate the confidence and look forward to your positive experience.

Keep Your Sales Receipt

Take this time to attach your sales receipt to the manual and put in a safe place. In case of any unforeseen reason this product may need warranty service, your receipt will be necessary to establish purchase date.

Recommendation

A Digital Media Receviers performance is only as good as its installation. Proper installation will maximize the system's overall performance. It is recommended that you have our product installed by an authorized Euphoria retailer. However, if you decide to install it yourself, please carefully read through this manual and take your time to do a quality installation.

Optimal Product Choice

To get the Maximum performance out of your stereo system, we recommend using 100% authentic Euphoria electronics and DB LINK wiring and accessories. Matching Euphoria's amplifiers and Speakers with your state-of the art electronics purchase is critical to optimize your system's performance. Wiring is the lifeblood of a system, make sure your audio system has the adequate current and signal transfer it deserves and needs. DB Link has it all, from wiring rolls; Speaker, power, ground and remote to amplifier kits, RCAs, and Fuse holders, distribution blocks and battery connectors. Insist on getting the best, DB LINK. It's what you deserve to get the optimum performance from your audio System.

IMPORTANT!

Before making any connections, disconnect the battery until the installation is completed to avoid possible damage to the electrical system.

WARNING!

Exposure to a high power sound system can cause hearing loss or damage. Listening to your system at loud levels while driving will impair your ability to hear traffic sounds and emergency vehicles. Use common sense when listening to your system.

Serial #_____   Model #_____

SAFETY CONSIDERATIONS

▪ Install this product in a dry, well-ventilated location that does not interfere with your factory-installed systems. If a dry environment is not available, a location that is not exposed to heavy splashing may be used.

▪ While this product is designed to be water-resistant, it should never be submerged under water or subjected to high-pressure water spray.

▪ Do not mount this product in an engine compartment or areas of extreme heat. Areas exposed to a heater or hot air should also be avoided.

▪ Securely mount this product so that it does not come loose in the event of a collision, sudden jolt or as a result of repeated vibrations during normal use.

▪ Check before drilling to make sure that you will not be drilling into an exterior panel/hull, fuel tank, gas/brake line, wiring harness or other vital system.

▪ Do not run system wiring outside or underneath the vehicle/vessel. This is an extremely dangerous practice, which can result in severe damage/injury.

▪ Protect all system wires from sharp edges and wear by carefully routing them, tying them down and using grommets and loom where appropriate. Secure all wiring using cable ties or wire clamps, as needed.

▪ Do not replace the power wire fuse with one of a different value. Never bypass the fuse.

▪ Never make power connections with a "live" wire. Failure to make safe, tight, high-integrity connections can result in fire and extensive damage.

INSTALLATION APPLICATIONS

This product is designed for operation with 12 volt, negative-ground electrical systems. Using this product in systems other than 12 volts may result in damage to the product and will void the warranty. This product is not certified or approved for use in aircraft.

What's Included

(1) Media Source Unit
(1) Power Connections Wire Harness
(1) Mounting gasket
(1) Mounting template
(4) Mounting screws
(1) UV Protection Cover
(1) User manual

Product Description: The head source unit is a weather-resistant source unit designed for marine and power sports applications

PRODUCT FEATURES

- Water-resistant chassis and display (IPX66 rated) is built to withstand the elements.

- Easy-to-read, high-brightness, LCD display with large controls for marine/power sports applications.

- Easy panel button backlight brightness control to adjust the LCD brightness.

- Digital AM/FM tuner.

- USB direct-digital connection accesses music files on your USB storage device .

- Bluetooth audio; receives top-quality sound from compatible devices with playback control, at a good distance.

- 1A USB output conveniently charges your phone or portable music player.

- 3 Sets (Sub, Zone1 and Zone2) of 5V RMS line-level RCA outputs deliver crystal-clear audio signals to your amplifiers.

- Video RCA Input.

- Auxiliary inputs accept audio signals from any source with line-level outputs.

- Independent subwoofer level control.

- Independent Zone1 and Zone2 Vol control.

- Independent Sub level control,Subwoofer filter control.

MOUNTING AND INSTALLATION

The diagram below shows a typical fiberglass panel. Always follow proper safety procedures. Wear eye-protection at all times with a dust mask and gloves when cutting. A mounting template is included to aid in measuring and marking the mounting surface before cutting or drilling.

1. Press along the perforation to remove the center section of the mounting template. (Discard the center section.) The template can be used to verify there is sufficient flat surface area for mounting and as a guide for cutting the opening. Tape the template to the mounting location and mark the surface for cutting the opening and drilling pilot holes.

2. Use a jigsaw or rotary tool to cut an opening in the mounting surface. If necessary, use a file or sandpaper to adjust the opening for proper fitment.

3. Place the source unit into the opening and check that the mounting holes remain aligned with the pilot hole marks taken from the template. If not, adjust and mark new holes as necessary.

4. Remove the source unit and drill four (4) pilot holes in the mounting surface at the pilot hole marks.

5. Peel the adhesive backing from the mounting gasket and Connect all wiring and place the source unit into the opening.

6. Secure source unit using the four (4) stainless steel screws. Press the trim ring onto the front of the source unit.

Important:
Before drilling or cutting, make sure there is
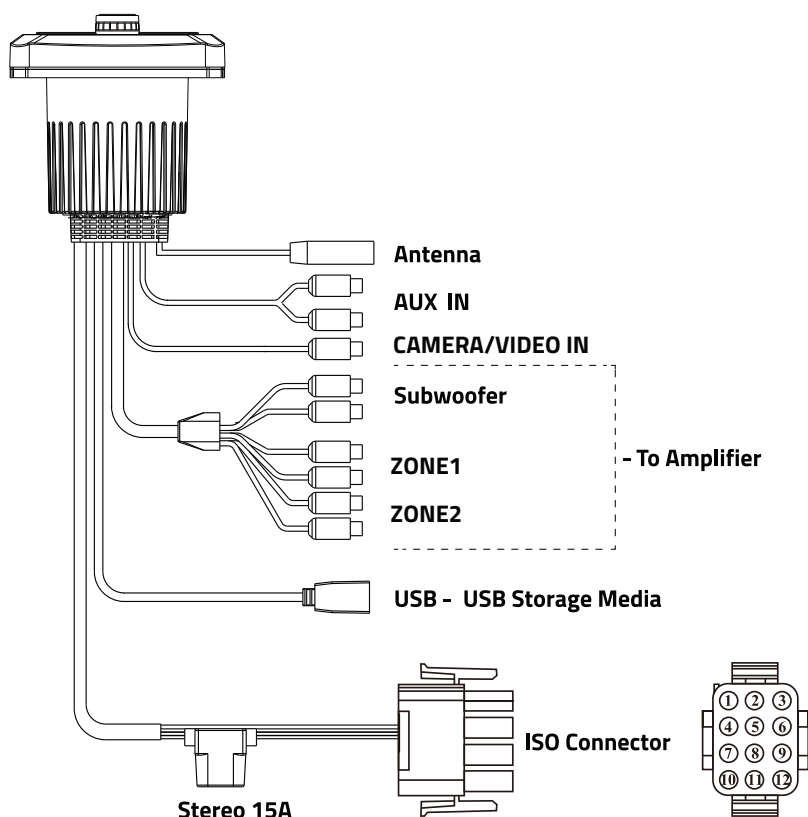adequate space behind the mounting surface
to fit the source unit, including its
wire harness.

Dashboard

Gasket
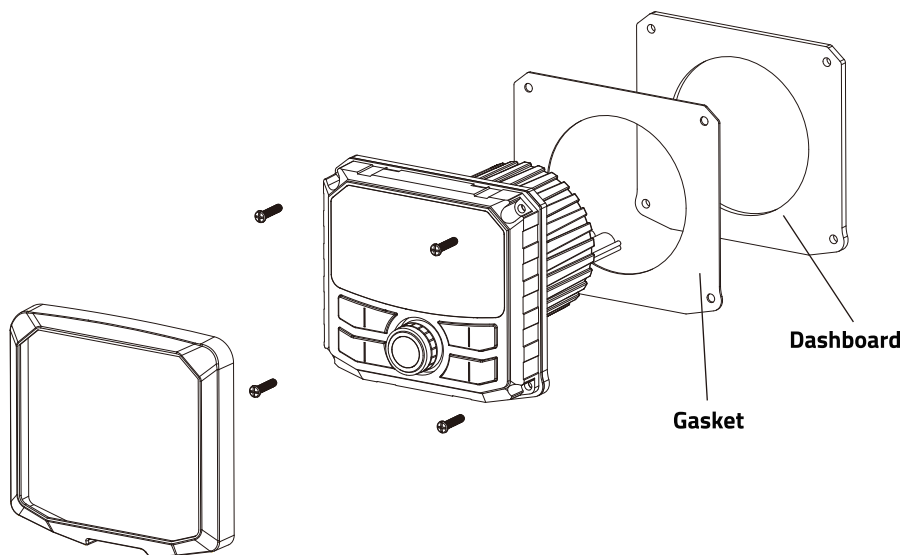
Mounting Template
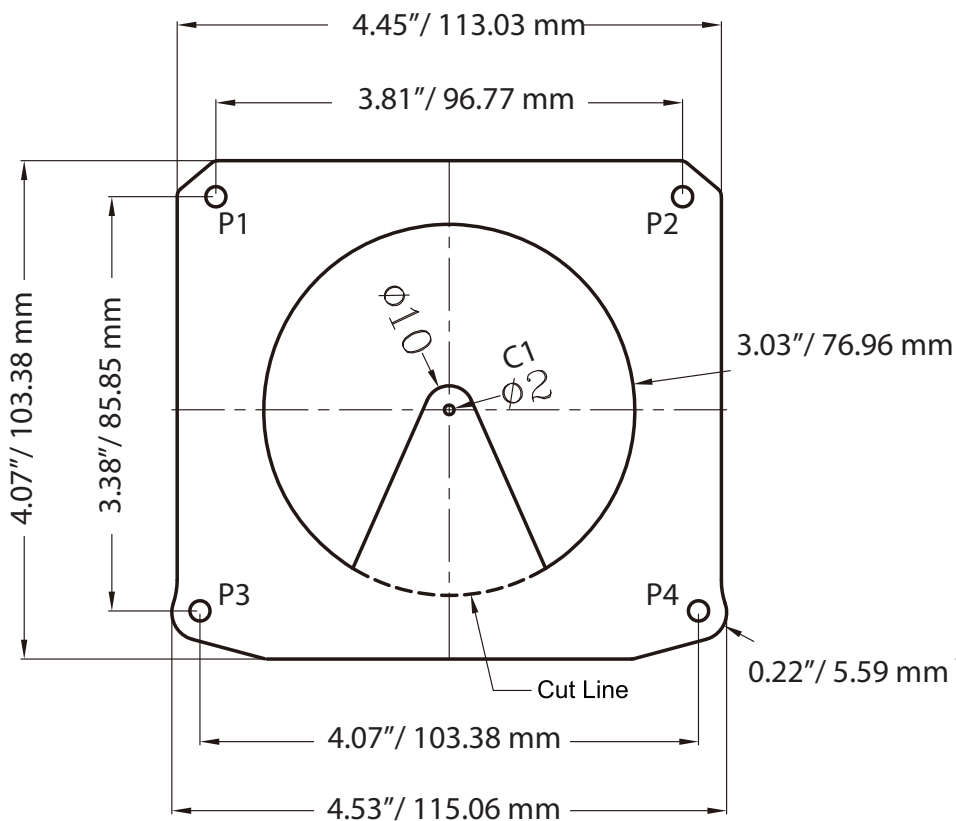
C1: Center of the Installation Mounting Hole (about 77mm/3").

P1 - P4: Positions for 4 Installation Screws.

Antenna

AUX IN

CAMERA/VIDEO IN

Subwoofer

ZONE1

ZONE2

- To Amplifier

USB – USB Storage Media

ISO Connector

Stereo 15A

① ② ③
④ ⑤ ⑥
⑦ ⑧ ⑨
⑩ ⑪ ⑫

ISO Connector

1– Yellow, +12 DC
2– White/Blk, Left Front Spkr,Negative
3– White, Left Front Spkr,Positive
4– Orange, ILLUMINATION
5– Grey/Blk, Right Front Spkr,Negative
6– Grey, Right Front Spkr,Positive
7– Blue, Amp Turn-on
8– Green/Blk, Left Rear Spkr,Negative
9– Green, Left Rear Spkr,Positive
10– Black, Ground
11– Purple/Blk, Right Rear Spkr,Negative
12– Purple, Right Rear Spkr,Positive

POWER CONNECTIONS
The 12-pin plug with wire leads is used to make power related connections. Make sure to carefully plan the wiring of your system prior to routing wires and making connections. Refer to the table below when making power connections.

IMPORTANT
Disconnect the NEGATIVE battery post connection and secure the disconnected cable to prevent accidental reconnection. This is an essential safety precaution during installation!

| Label	Wire Color	Connection
+12VDC	Red	Connect to a switched positive (+12V) source. This can be an ignition controlled, accessory circuit or a vessel battery equipped with a main disconnect switch.
Ground	Black	Connect to a +12V lighting circuit to automatically switch the illumination to night mode to nightmodelwhen the lights are actived,
Illumination	Orange	Connect to a +12V lighting circuit to automatically switch the illumination to night mode to nightmodelwhen the lights are actived.
Amp Turn-On	Blue	This wire provides a positive (+12V) turn-on voltage to activate the external amplifiers.

WIRING HARNESS CONNECTIONS
Harnesses exiting the rear of the unit are used to connect to aftermarket amplifiers/ equipment and media devices. Depending on your specific equipment, you may or may not use all of the connections. **Make sure to plan the layout of your system prior to routing wires and making connections.** Refer to the table below for additional info.

Label	Wire Color	Connection	
Subwoofer	Blue RCA	Subwoofer Signal Output	Main
ZONE 1	White RCA	2 Channel Signal Output	
ZONE 2	Green RCA	2 Channel Signal Output	
Aux-In	Black RCA	Left Channel Signal Input/Auxiliary	500MV RMS Input Sensitivity
		Right Channel Signal Input/Auxiliary	
ANT	Antenna	Connect To Motorola Style Antenna	
USB	USB Connector	Connect To USB Storage Device	
CAMERA IN	YELLOW RCA	Connect to external video Signal Input	
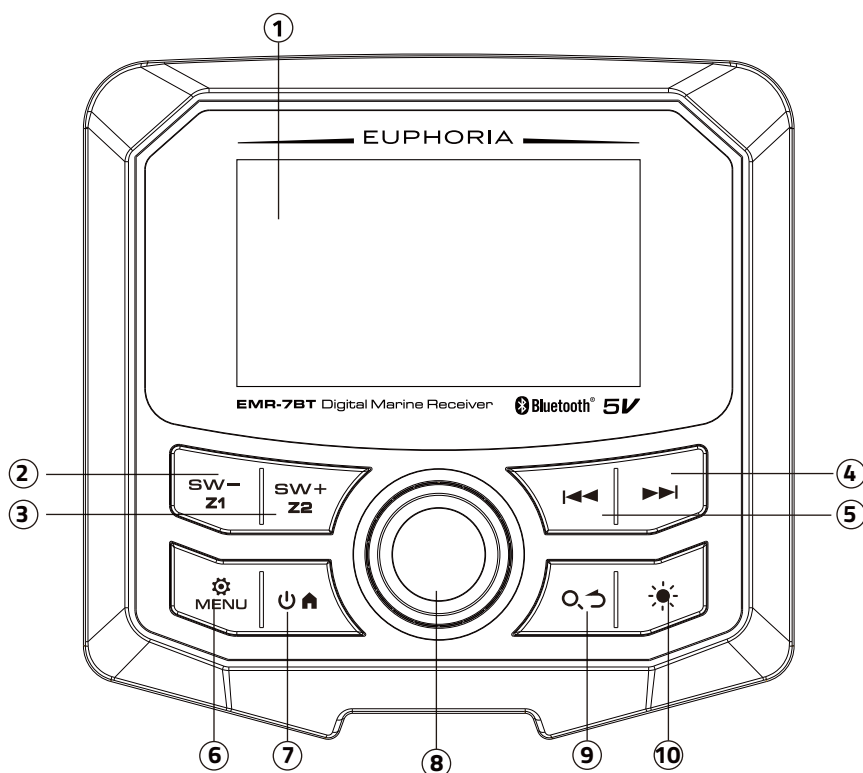
1- **LED Display**

2- **SW -**

3- **SW+**

4- **Foward Button**

5- **Backward button**

6- **Menu**

7- **Power/Mute**

8- **Control Knob**

9- **Search/Back**

10- **Brightness**

	STATUS
	All Mode/Status
Power/Mute ⏻ 🏠	（@Radio Off) **S:** Power ON （@Radio ON) **S:** Call out Mode Screen, rotate Vol Knob for mode 　　　　change (FM>WB>AM>BT>USB>AUX>CAMERA>SETTINGS) （@Radio ON) **L:** Power OFF
VOL / Enter Knob ◎	**S:** Mute/Unmute (Radio / AUX modes), Play/Pause (USB / BT mode） ⁕⁕**S:** MUTE/PAUSE feature is not working under CAMERA IN mode! **R:** General: Rotate this knob to control the MASTER Volume (0-40). (4 speakers, Zone1 & Zone2) (Under Vol screen, S Vol Knob SWITCHING to next LEVEL/Vol (ZONE1/ ZONE2/SUB-W) adjustment.) ZONE1, ZONE2 & SUB-W, MUST SET to higher than "0"for SIGNAL OUTPUTS，then adjust MASTER VOL to have audio output!!! **R:** Under MENU: Rotate this knob inside Menu for BROWSING selections, S to confirm the selections.
sw− **Z1**	**S:** To reduce Subwoofer Level，upto 0. **L:** To call out Zone 1 VOL & RCA Zone 1 level adjustment, plus VOL Knob rotate between 0 - 20 If 0 set for Z1, Z2 or SUB-W, then NO AUDIO OUTPUT for that channels, NO MATTER MASTER LEVEL VALUES IS!!!
sw+ **Z2**	**S:** To increase Subwoofer Level，upto 0. **L:** To call out Zone 2 VOL & RCA Zone 2 level adjustment, plus VOL Knob rotate between 0 - 20 If 0 set for Z1, Z2 or SUB-W, then NO AUDIO OUTPUT for that channels, NO MATTER MASTER LEVEL VALUE IS!!!
☀	**S:** To call out Brightness level,then rotate Vol Knob to adjust the level between 0 - 10. **L:** (Under BT mode) L to disconnect and re-connect last BT.
Menu Button ⚙ MENU	**S:** S to call out AUDIO MENU's items and plus to rotate VOL Knob to have different selections,then S to confirm the selections. **L:** (Radio mode) L to enter AUTO SEEK AND AUTO PRESET!

S: Short Press， **L: Long Press**， **R: Rotate**

	STATUS		
	FM	**/**	**AM**
Fast Backward (FB) ◄◄ 🔍⤺	**S:** Go to previous preset station. **L:** Enter into Auto search for strong signal station. Now Long press this FB again will enter manually stepping SEARCH. Save Station: Tune a desired station by FF/FB button (L one time is Auto SEEKing, continously L 2 times for MANUALLY stepping), L this SEARCH/RETURN button to call out SAVE list, rotate VOL Knob for the desired Preset Station No.# then S the VOL Knob button to save the set Station.		
VOL / **Enter Knob** ◎	**S:** Mute/Unmute (Radio / AUX modes), Play/Pause (USB / BT mode / Video）(Under Preset mode) **S:** Save the current frequency to the PRESET Station No#. **R:** Rotate this knob to control the MASTER Volume, **R:** Rotate this knob inside Menu for selection,		
Fast Forward (FF) ►► 🔍⤺	**S:** Go to next preset station. **L:** Enter into Auto search for strong signal station. Now Long press this FF again will enter manually stepping SEARCH. Save Station: Tune a desired station by FF/FB button (L one time is Auto SEEKing, continously L 2 times for MANUALLY stepping), L this SEARCH/RETURN button to call out SAVE list, rotate VOL Knob for the desired Preset Station No.# then S the VOL Knob button to save the set Station.		
🔍⤺ ◎	**S:** Under radio mode, S SEARCH/RETURN button to call out Preset station lists.Rotate Vol Knob to select Preset Station #, then S Vol Knob to confirm.		

S: Short Press，**L: Long Press**， **R: Rotate**

	STATUS
	USB Playing
Fast Backward (FB) ◄◄	**S:** Previous Track **L:** Fast Backward Track,Continously L FB, for x2/4/8/16. When new song playback within 5sec, S FB, will go to last song, If longer than 5sec, will restart the current song broadcasting.
VOL / Enter Knob	**S:** Play/Pause (USB / BT mode / Video / Photo） **R:** Rotate this knob to control the MASTER Volume, **R:** Rotate this knob inside Menu for selection, **L:** (MP3 only: REPEAT TYPE: NO/1/A/RANDOM) L this knob to call out these 4 status in terms.
Fast Forward (FF) ►►|	**S:** Next Track **L:** Fast Forward Track,Continously L FF, for x2/4/8/16.
Q ↺	**S:** Show track no# list and S again to go to previous FOLDER lists. Inside the track list then rotate the Vol Knob for different track #, S the Vol Knob to start playing the selected track. **USB:** MP3/VIDEO/Photo mode: Switching among them by L this SEARCH/RETURN button in terms.Say under MP3 song playback, L this button to enter VIDEO broadcasting.

S: Short Press，**L: Long Press**，**R: Rotate**

GENERAL CONTROLS

	STATUS	
	AUX /	**BT**
Fast Backward (FB) ◄◄	N/A	S: Previous song
VOL / Enter Knob	**S:** Play/Pause (USB / BT mode), **S:** MUTE/UNMUTE (AUX). **R:** Rotate this knob to control the MASTER Volume, **R:** Rotate this knob inside Menu for selection,then S for confirmation.	
Fast Forward (FF) ►►|	N/A	S: Next song
⚲ ↩	N/A	L: Disconnect BT / Re-Connect BT

S: Short Press, **L: Long Press**, **R: Rotate**

Turning the Unit ON/OFF
1. Press POWER to turn the unit ON.
2. Press and hold POWER to turn the unit OFF.

Adjusting Volume
The VOL/SEL knob is designed to be used as a master volume controller, allowing easy adjustment of the audio levels.

1. Rotate VOL/SEL clockwise/counter-clockwise to increase/decrease volume.

Muting or Pausing Audio
1. Press POWER/MUTE to mute/unmute audio (AM/FM/AUX) .
2. Press POWER/MUTE to mute/unmute and pause/resume the current selection (USB/BT Music)

System Settings Main Menu
This menu allows access the main operational settings and features. Refer to the table below for available settings and functionality.

1. Press MENU to access the System Settings: Main Menu.
2. Turn VOL/SEL to highlight one of the menu settings listed in the table below; press to select.
3. Use VOL/SEL to make selections.

User Settings	Setting	Function Description
S Menu button to enter Setting list	Zone1	R the Vol Knob to choose and S to confirm the selection. 1/. Balance » » (L7 - R7) 2/. EQ » » (FLAT/POP/CLASSIC/ROCK/JAZZ/USER),
	Zone 2	USER(S to set frequencies) 3/. HPF » » (60/80/120/200Hz/All Pass)
	Subwoofer	S to enter, R to select (60/80/120/200Hz), S again to confirm.
	Clock	1/.Clock: ON/OFF, 2/.CLOCK ADJUST: S Vol Knob to confirm (Hr/Min/Format), R Vol Knob to adjust the values. 3/.CLOCK SYN: ON, for TIME auto Syncanise when receives RDS/RBDS frequency under FM mode.
	Language	R the Vol Knob to choose and S to confirm the selection.
	Radio Area	
	Beep	
	Loud	
	Dimmer	
	Day/Night	To set AUTO, Day/Night starts time.
	Gain	To set USB/RADIO/BT/AUX GAIN (+3 to -3dB)
	Color	To set buttons LED colors
	Information	To show the SW version
	Reset	To have factory RESET.

Troubleshooting   **S: Short Press**， **L: Long Press**， **R: Rotate**

Problem	Possible Cause	Possible Solution
Unit doesn't turn on	Faulty fuse	Remove fuse and check with continuity meter. Replace if necessary.
	Poor connection integrity	Check "Ground" and "+12VDC" connections for pinched wires; ensure tight connections.
Unit doesn't work properly	Unknown	Go the the menu to have factory reset.
No or Low Sound	Mute or Pause is ON	Press VOL/SEL to verify that Mute is not ON.
	Volume level is turned down or disabled	Check setting menu for ZONE1, ZONE2 and SUB-W level or MASTER VOL, all need to be greater than 0!
Amps Not Turning ON	Poor connection integrity	Check "Amp Turn-On" connections for pinched wires; ensure tight connections.
No or poor Tuner Reception	Poor connection integrity	Check antenna cable for pinched wires; ensure tight connections.
USB Connection not Working/Charging	Poor connection integrity	Check USB cable for pinched wires; ensure tight connections.

SPECIFICATIONS

Electrical Specification

Operating Voltage.. 12V DC (10.5V - 16V allowable)
Standby Current Draw............................... Less than 38mA, 0mA when Key OFF!
Fuse Value.. 15A
Operation Temperature Range.............. -4 F to +158 F (-20 C to +70 C)

Display

Size/Type.. 3.0 in. / TFT LCD backlighted
Resolution... 640 x 360 RGB

Audio Outputs/Inputs

Output Channels.. 2 stereo pair of RCA plugs (5V RMS)
RMS.Output Voltage.................................. 4x25W (RMS, @4 Ω speakers)
Max. Output Voltage.................................. 4x50W (Max, @4Ω speakers)
Input Channels... 1 stereo pair of RCA plugs (500 mV RMS Input Sensitivity)
CAMER/VIDEO IN Channel...................... 1 RCA plug

Tuner

FM Tuner... 87.5 MHz to 108MHz (0.1MHz step)
AM Tuner... 520kHz to 1710 kHz (9 kHz step)

Bluetooth

Profile... A2DP v1.0, AVRCP v1.5
Connection Range...................................... 10 Meters

USB

Interface.. USB 2.0
Maximum Current Output........................ 1A
Supported Audio Formats MP3, WMA,AAC,WAVE,FLAC,OGG,M4A
Support Video Formats AVI,MKV,DIVX,MPEG4,MOV,3GP,WMV,VOB,FLV,RMVB
Support Photo Formats .... JPEG,BMP,GIF,TIFF,PNG
Support USB DRIVE SIZE .... Upto 128GB

Dimensions

Unit WxHxD.. H106 x W116 x D115mm
Mounting Hole WxH................................... 77mm x 93mm
Panel thickness (no Vol knob)................. 24mm

RF exposure statement

This equipment complies with the FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Warning

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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.

NOTE 2: Any 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.

EUPHORIA™

LIMITED WARRANTY

Euphoria™ warrants any products purchased in the U.S.A. from an authorized Euphoria™ dealer. All products are warranted to be free from defects in material and workmanship under normal use and service for a period of two (2) years when the unit is installed by an authorized Euphoria dealer. Non-authorized dealer installed products carry a one (1) year parts and labor limited warranty. This warranty applies to the original purchase only.

Euphoria™ will either repair or replace (as its option) any unit that had been found to be defective and under warranty provided the defect occurs within:This limited warranty periods do not extend to units having been subjected to misuse, abuse, neglect, or accident. Products that in Euphoria™'s judgment shows evidence of having been altered, modified, or serviced without Euphoria™'s authorization, will be ineligible under this warranty.

To obtain warranty services please contact your retailer or visit our website at www.euphoriacaraudio.com for more details.