

*Thank you for purchasing this*

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**LM720 Marine Bluetooth Stereo**

Please read through these instructions carefully so you will know how to operate your model properly.

After you have finished reading the instructions, keep this document in a safe place for future reference.

**THIS PACKAGE CONTAINS**

1-LM720 Marine Stereo



1-1-Trim Bezel



1-Wireless Remote control



1-User Manual



4-Mounting Screws

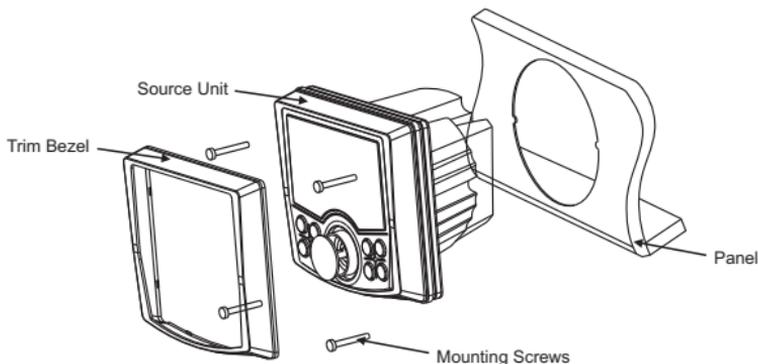


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## INSTALLATION



### MOUNTING(USING MOUNTING PLATE)

- 1.Choose a mounting location on the dash board or instrument panel that will allow room behind to run radio cables to the power source. Consider how you will use the AUX IN, LINE OUT and USB connectors and route the appropriate extension cables to an accessible area.
- 2.Once you have determined a mounting location, you will need to cut a circular hole 3"(77mm) in diameter. At least 3.75 inch depth is needed to mount the radio.
- 3.Slide the mounting plate over the backside of the unit and secure with the supplied screws.
- 4.Press on the trim bezel to the front side of the unit.
- 5.Plug in all wiring harnesses and cables. Refer to the wiring diagram for wire harness connection types.



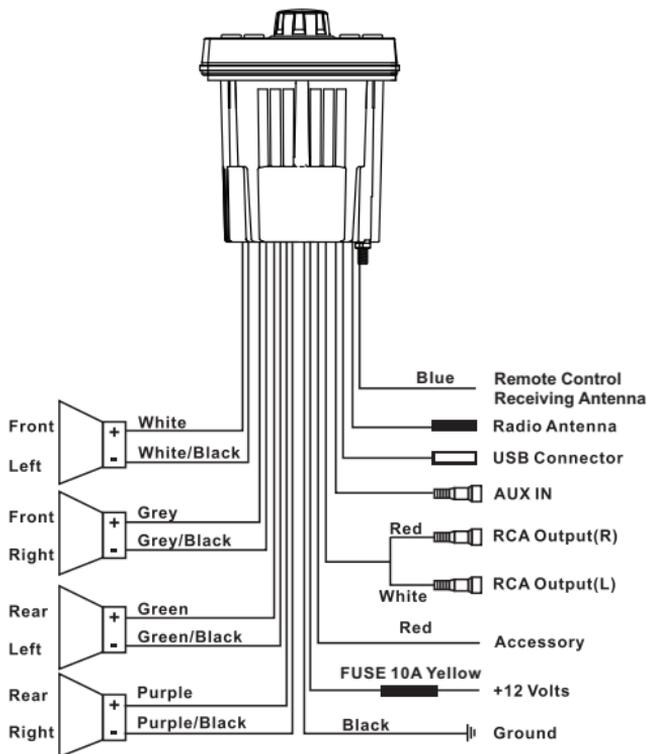
**IMPORTANT!** Do not mount this unit where it can be submerged in water.

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## WIRING

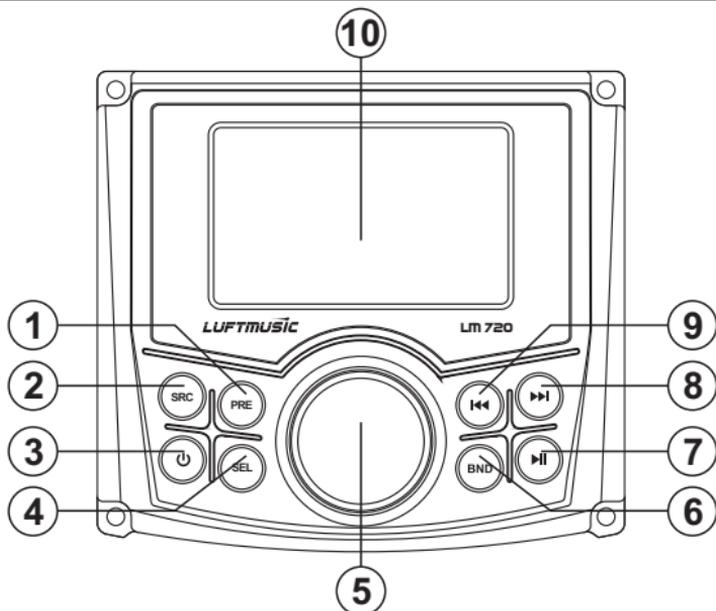
### Getting Started



Tip: When a suitable ground wire is not present in the vehicle wiring harness. Connect the black ground wire to the vehicle chassis.

Fuse: When replacing the fuse, make sure new fuse is the correct type and amperage. Using an incorrect fuse could damage the radio.

## CONTROL LOCATIONS - RECEIVER



- ① Preset Stations
- ② Source
- ③ Power
- ④ Audio Setting / Select (Confirm)
- ⑤ Volume up / down / Rotate Selection / Mute (press)
- ⑥ Band
- ⑦ Play/Pause/Confirm Selection
- ⑧ Tune Up / Next Track
- ⑨ Tune Down / Previous Track
- ⑩ Crystal Display

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## GENERAL OPERATION

Power on/off -- Press the '  ' button to turn the unit on. Press and hold '  ' again to turn the unit off.

Brightness -- Press '  ' to adjust the back light brightness ( High / Medium / Off).

Changing Modes -- Press SRC to select between AM/FM, USB, Auxiliary and Bluetooth Music. Modes of operation are shown on the display.

Volume -- Adjust volume by rotating the volume knob.

Mute -- Short press VOL knob to silence the audio, short press VOL knob to resume listening at previous selected volume.

Auxiliary Inputs: Insert a 3.5mm connector in the AUX port, the other end of 3.5mm connector to the headphone output of an audio device (3.5 mm audio cable sold separately ).

### Audio setting



Short press 'SEL' to enter into AUDIO SETTING



Navigate between XBASS/ BASS / TREBLE / BALANCE / FADER



Rotate the volume knob to select between EQ USER/JAZZ/POP/ CLASS/ROCK

### System setting



Press and hold 'SEL' to enter into SYSTEM SETTING



Navigate between BEEP / RESET / ABOUT / TIME

## AM/FM TUNER OPERATION

1. Press the SRC button to select TUNER
2. Press VOL knob to MUTE, press again to UNMUTE
3. To manual adjust frequency press >>| or |<<
4. Press the PRESET button to recall PRESETS 1-6
5. Press BAND to switch between FM1, FM2, FM3, MW1, MW2, WB;

### Tuner Function Setting

 <p>Press and hold 'PRESET' to enter into Tuner function mode</p>	 <p>Navigate between AUTO STORE / M STORE/ LOCAL / AREA / RDS / AF / TA / PTY</p>	 <p>Press to enter setting</p>
 <p>Rotate the volume knob to select option (A-store skip this step)</p>	 <p>Press &gt;   button to confirm the selection (A-store skip this step)</p>	

**A – STORE:** Automatic search the strong radio stations and store them into PRESET.

**M- STORE:** Manual Store the Radio Station, tune to the favorite station, activate the M-STORE, the PRESET number will flashing on the LCD display, use the VOL+/VOL- button to adjust to your desired PRESET number ( P1 - P18 ), then press >|| button to manually save the station.

**LOCAL** - ON/OFF.

**AREA** - Select between EUROPE / AUST / USA frequency.

**RDS** - ON/OFF; AF / TA / PTY – ON/OFF.

## USB OPERATION (MP3/WMA)

Playing MP3/WMA Files To play MP3/WMA files, insert a USB device (not supplied) containing MP3/WMA files.

**Track Select** - Press >> to skip to the beginning of the next track.  
- Press << to return to the beginning of the previous track. Press and

### Pause

Press >|| button to temporarily stop playback.

Press >|| button again to resume playback.

Fast forward and reverse

Press and hold >> or << to fast forward or reverse a track.

Folder Search

Short press BND button, 'ROOT' display on the screen, enable to select between folders.

Short press >> or << button ( or Rotate the VOL knob ) to select folders;

Short press >|| button to enter into the selected folder;

After select the folder, press >> or << button ( or Rotate the VOL knob) to select the songs;

Short press >|| button to play the selected song;

Short press PRESET button to activate 'RDM ALL(Random)' - 'RPT ALL(Repeat)' - 'RPT SONG' and 'RPT FLD' function.

## BLUETOOTH OPERATION

Preparation-Before using a Bluetooth device, it must be paired and connected. Ensure that Bluetooth is activated on your device before beginning the pairing process.

Pairing

**To pair your smart phone to LM720, press the SRC button to select 'BT AUDIO' mode, the 'Bluetooth' icon will be flashing on the LCD screen.**

Activate the Bluetooth on your smartphone to search for new devices. Connect with the device name ' LM720 ' when found. (If pin number is required by smart phone, please enter '0000'). Once pairing is successful, 'Bluetooth' icon will be displayed on the screen.

Press >> or << button to select next or previous track.

Press >|| button to pause or continue play back.

While BT mode, Long press 'SEL' button, then press VOL Knob or Play/Pause button to force disconnect the current Bluetooth connection.

## DAB OPERATION (AVAILABLE FOR LM720D ONLY)

Note: DAB+ ( Digital Audio Broadcasting) is only available for some European countries and Australia where has the Digital Radio Broadcasting.

Press SRC button to switch to DAB+ mode, LM720D will automatically scan for local digital stations. This process may take a few seconds depending on the numbers of available stations. As DAB+ stations are found, they will be automatically stored into the DAB+ band memories. Once scanning is complete, LM720D will begin playing the station stored in the first memory location. And the station will be displayed on the screen.

### Tuning DAB+ stations

Press |<< or >>| button to tune to previous / next DAB+ station.

**A – STORE:** Long press BAND button for automatically scan and save the stations.

## SPECIFICATIONS

### General

Power supply requirements: DC 12V Negative Ground

Load impedance: 4-8 Ohms/channel

Maximum output power: 45W x 4 (CH)

Operate temperature: -10-50°C

FM Tuner: Tuning range: 87.9MHz-107.9MHz (USA)

87.5MHz-108MHz (EUR)

AM Tuner: Tuning range: 530KHz-1710 KHz (USA)

522KHz-1620 KHz (EUR)

**DAB+ (LM720D only)** Tuning Range: BAND III 174-240 Mhz

### USB playback

Signal to Noise Ratio: 55dB

Frequency Response: 50Hz- 20KHz

A/D Conversion Filter: 16BIT

USB Storage Capacity: 16GB Max

### Bluetooth

Version: 5.0

\*Note: Specification may change without notice.



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## TROUBLE SHOOTING

<b>ISSUE</b>	<b>OPTIONS</b>
Unit will not turn on (no power)	Cause: Yellow/red wire not connected or incorrect voltage Action: Check connections for proper voltage (11-16V DC)
	Cause: Black wire not connected Action: Check connection to ground
	Cause: Fuse blown Action: Replace the fuse
Unit has power (but no sound)	Cause: Speaker wire not connected Action: Check connections at speakers
	Cause: One or more speaker wires touching each other or touching chassis ground Action: Insulate all bare speaker wires from each other and chassis ground
Unit blows fuses	Cause: Yellow/red wire touching chassis ground Action: Check for pinched wire
	Cause: Speaker wires touching chassis ground Action: Check for pinched wire
	Cause: Incorrect fuse rating Action: Use fuse with correct rating