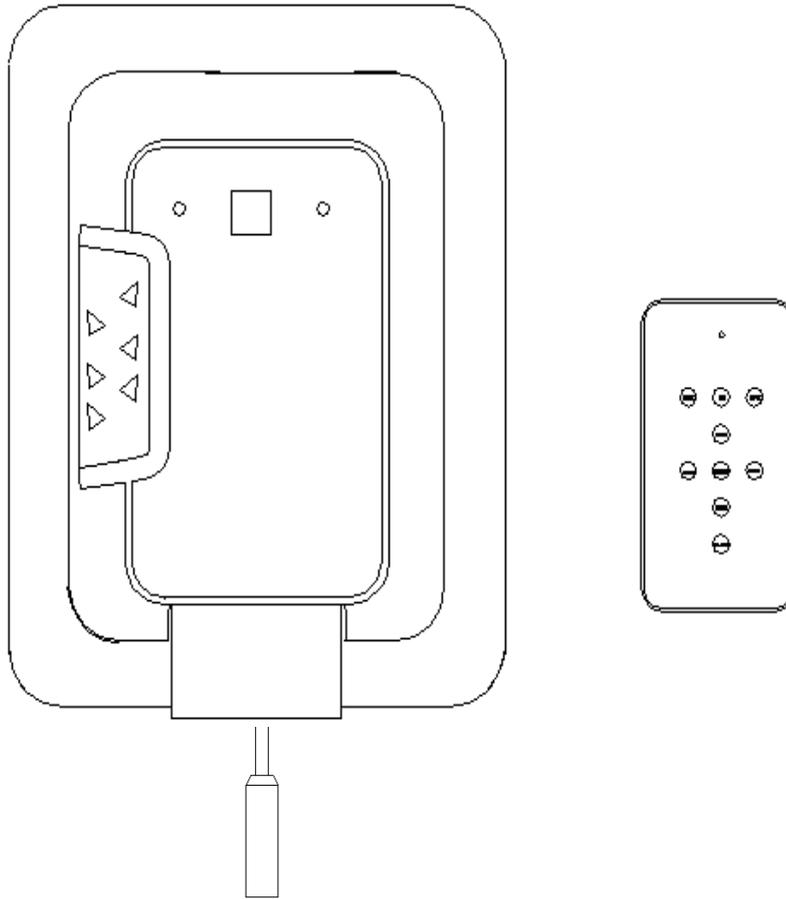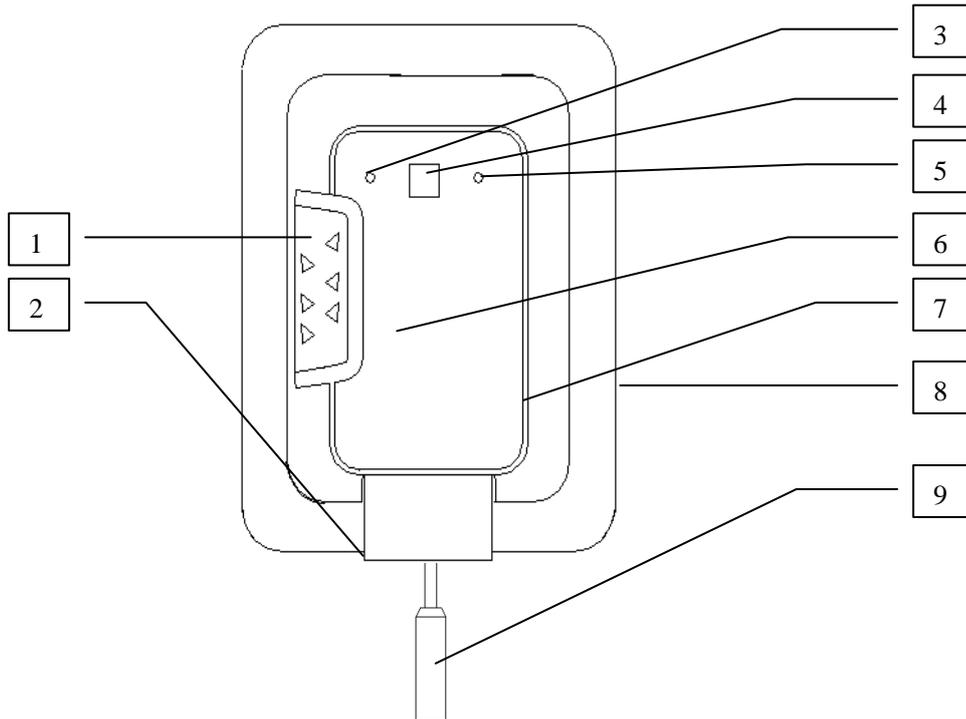# INSTRUCTION MANUAL

Water/Dust Proof MP3/Bluetooth/AUX/FM Player

With

RF Wireless Remote Control

Please read this Instruction Manual
Before installation and operation

LOCATION OF CONTROLS

Water/Dust Proof MP3/Bluetooth/AUX/FM Player

Part   Description

- **1   Player drive-by-wire (also can be used without remote control)**
- **2   Open and close cover part**
- **3   3.5mm Aux Input Jack for MP3 Devices**
- **4   Power ON/OFF indicator LED / Working indicator light (Red / Blue)**
- **5   USB interface**
- **6   Place for cell phone and MP3, etc**
- **7   Water/Dust Protection Inner Gasket**
- **8   PC transparent lens**
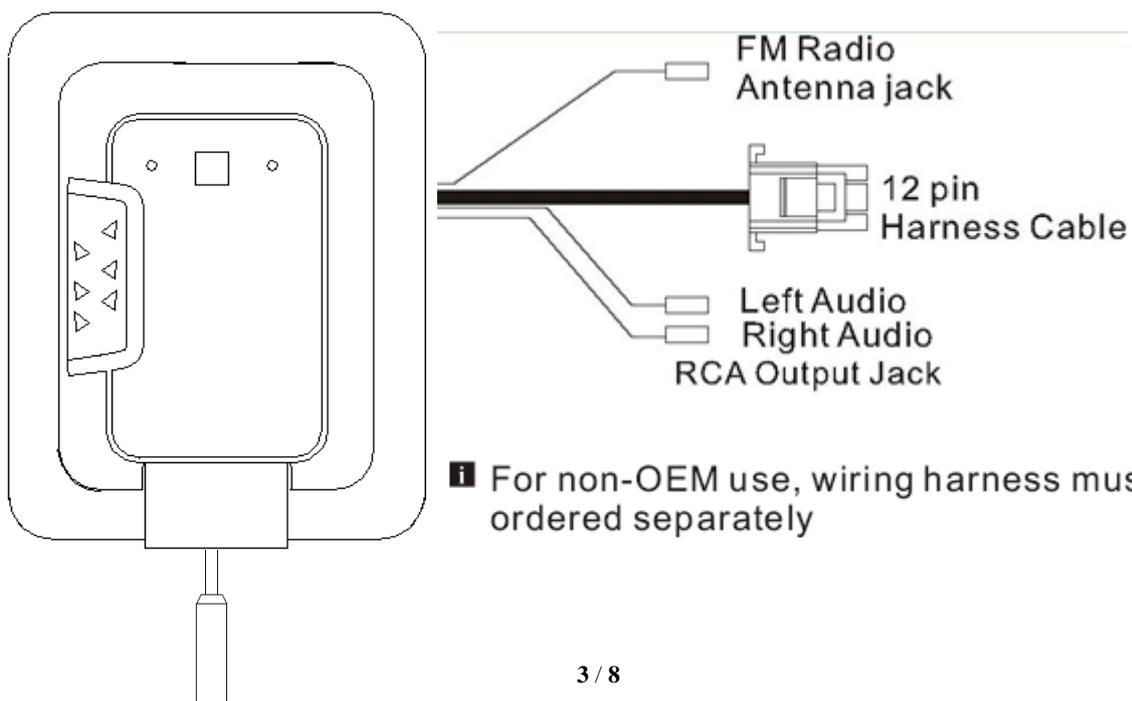- **9   FM balance antenna interface**

GETTING STARTED

CONTENTS:

Please make sure the following items are included.

a) Water/Dust Proof MP3/Bluetooth/AUX/FM Player: 1pc

b) Water/Dust Proof RF Wireless Remote Control: 1pc

c) Butt Joint connector: 1pc

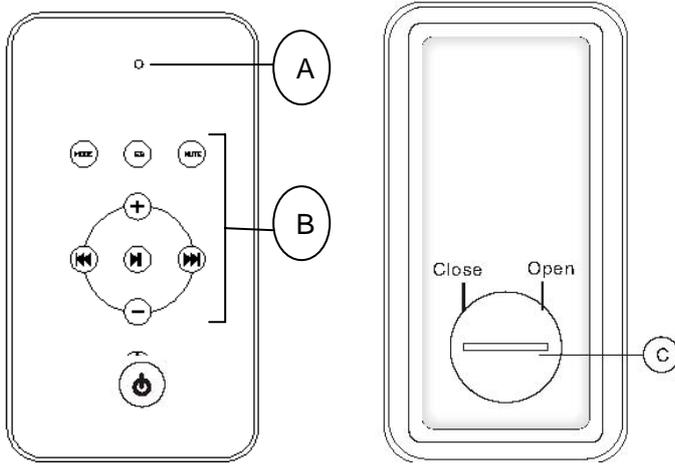d) Stainless Steel Wood Screws: 6pcs

INSTALLATION

Cable Connection

1. Plug and Play Connector: The Water/Dust Proof MP3/Bluetooth/AUX/FM Player incorporates a 12 pin "plug and play" connector harness. Owner product application options may require an "optional" connector option. Contact your dealer for details.

2. FM Radio: The Water/Dust Proof MP3/Bluetooth/AUX/FM Player has U.S. and Euro FM Frequency capability. In both applications, make sure the FM Antenna is fully extended at the highest possible level (Height) for best performance.

3. RCA Inputs: The Water/Dust Proof MP3/Bluetooth/AUX/FM Player was developed with flexibility to use RCA based Audio Media. The player has 1 set of RCA Audio Auxiliary Inputs, so you can connect other RCA based devices.

FM Radio Antenna jack

12 pin Harness Cable

Left Audio
Right Audio
RCA Output Jack

i For non-OEM use, wiring harness must be ordered separately

RF Wireless Remote Control

Appearance and functional description:

Part   Description

A   Working indicator LED

B   Remote Control Buttons

C   Battery Doo

Button		General button function
Power		Power ON/OFF. No function when long press.
Volume up		Volume increase button. Long press: The volume will increase continually till the max. volume.
Volume down		Volume decrease button. Long press: The volume will decrease continually till the min. volume.
EQ		Play mode switch button. Press it to switch the music play mode, such as ordinary, Jazz, rock, etc. No function when long press.
MUTE		Mute the volume. No function when long press.
MODE		Mode switch function button, such as switch Bluetooth mode to RMP3 mode. No function when long press.
Left		Button to the previous song. In the MP3 and bluetooth modes, short press this button to switch to previous song. In the FM mode, short press it to switch to the previous radio station. In the Line-in mode, short press for no function. Rewind when long press.
Pause		In the MP3 and bluetooth modes, short press this button to switch between play and pause. In the Line-in and FM modes, mute the volume. No function when long press.
Right		Button to the next song. In the MP3 and bluetooth modes, short press this button to switch to next song. In the FM mode, short press it to switch to the next radio station. In the Line-in mode, short press for no function. Fast forward when long press.

FUNCTIONAL DESCRIPTION OF PLAYER

Button		General button function
Power	⏻	Power ON/OFF. No function when long press.
Volume up	+	Volume increase button. Long press: The volume will increase continually till the max. volume.
Volume down	−	Volume decrease button. Long press: The volume will decrease continually till the min. volume.
EQ	EQ	Play mode switch button. Press it to switch the music play mode, such as ordinary, Jazz, rock, etc. No function when long press.
MODE	MODE	Mode switch function button, such as switch Bluetooth mode to RMP3 mode. No function when long press.
PREV	‹‹	Button to the previous song. In the MP3 and bluetooth modes, short press this button to switch to previous song. In the FM mode, short press it to switch to the previous radio station. In the Line-in mode, short press for no function. Rewind when long press.
NEXT	››	Button to the next song. In the MP3 and bluetooth modes, short press this button to switch to next song. In the FM mode, short press it to switch to the next radio station. In the Line-in mode, short press for no function. Fast forward when long press.

Player LED indication definition (The power button):

Mode	Status	Red LED	Blue LED
Bluetooth mode	Play	Not bright	Flashing slowly
	Connected	Not bright	Long bright
	Not connect	Not bright	Flashing quickly
MP3 mode	Play	Flashing slowly	Not bright
	Pause	Long bright	Not bright
FM mode	--	Long bright	
AUX mode	--	Long bright	

LED showed below the power button of the player. The light comes from the silicone button pervious to light.
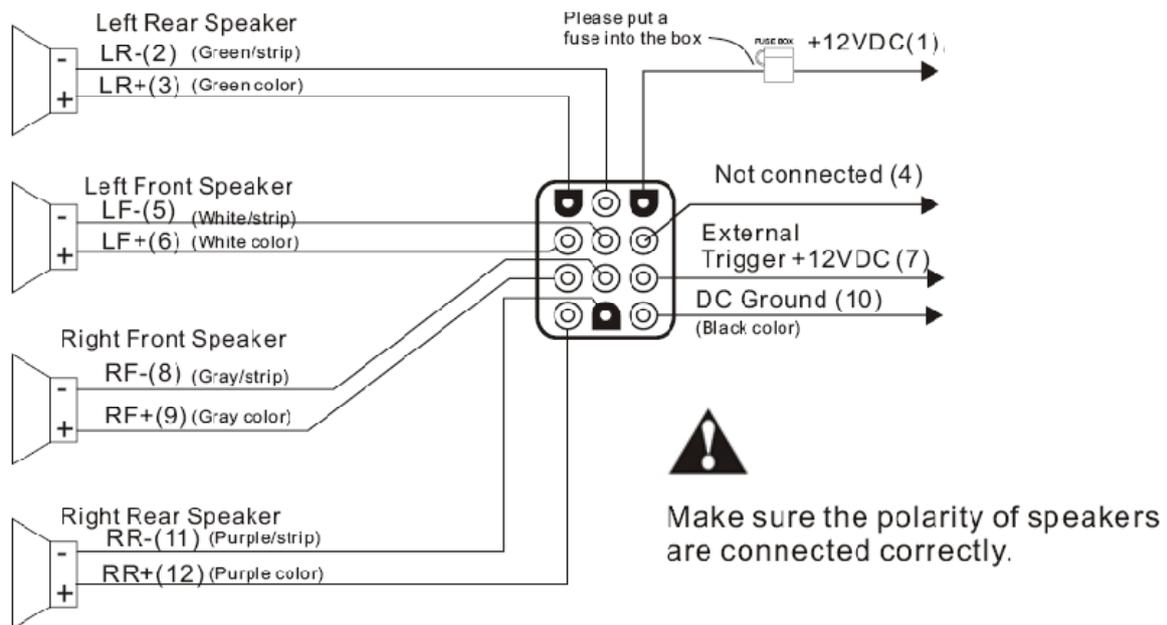
GETTING STARTED

12 Pin Harness Cable Connections:

Water/Dust Proof MP3/Bluetooth/AUX/FM Player recommends the use of a optional "plug and play" connector for best performance. This connector is not included.

For detailed information, please call the re-seller. If you choose not to use the "plug and play" option, you can use the wiring schematic below.

All open wire connections should be soldered, and protected against Water/Dust for best long term performance.

Make sure the polarity of speakers are connected correctly.

⚠ **Remark: Player connecting line is male, need corresponding mother line to connect.**

⚠ **Don't connect the lead wire wrong, or will lead burn out to player or power system.**

⚠ **Power amplifier speakers can load 2-8 Ohm, normally use 4 Ohm speakers.**

Don't connect the positive and negative electrodes wrong, or will lead to poor low sound.

2 Ohm speaker will lead to the large increase in power of the power amplifier, please pay attention to the power supply if it is enough.

GETTING STARTED

Technical Specification:

Power supply: DC12V 6A min.

Current of player machines: <25mA

Remote Control Frequency: 433Hz

Remote Control Battery: 3.0V (1 pc CR2032)

IP Rating: IP66

Distortion: <0.1% THD at 1kHz

Frequency Response: 50Hz - 18kHz

Amplifier Output : 50W rms per channel at 2 Ohm load.

Amplifier Output : 25W rms per channel at 4 Ohm load.

FCC STATEMENT

FCC ID: WBQAQPAVRFMPIP

MADE IN CHINA

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 limit 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.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.