USER'S MANUAL

PB475RGB

BLUETOOTH®
MP3/CD AM/FM RECEIVER

Planet Audio

CONTENTS

PRECAUTIONS

How to Handle Discs
* Handle a disc by its edges. Do not touch the playing side
* Before inserting a disc, wipe the disc outward from the disc center with a clean, soft, dry and lint-free cloth. Do not use solvents or thinners such as petrol/benzene or cleaners.
* After removing a disc from the disc slot, place the disc in a sleeve or case to keep it clean and prevent scratches.
* Do not stick paper or tape on the disc surface. If there is glue (or adhesive) on the disc surface, remove it before using the disc.

Precautions & Warnings
* To reduce the risk of fire, electric shock, and interfer-ence, do not attempt to repair this unit yourself. Refer all service to a qualified technician.
* Some MP3/WMA files may not be playable.
* Keep the volume at a reasonable level to avoid distracted driving. High volume levels may make it difficult to concentrate on traffic and road conditions while driving.
* If the car has been in direct sunlight for an extended period, you may need to reduce the temperature inside the car before turning on and using the unit.
* If the battery is disconnected, discharged, or changed, the preset memory of the unit will be lost and require reprogramming.
* The unit is designed to be installed in a level,horizontal position. For optimal performance, avoid installing the unit at an angle.
* Never use excessive force when removing or attaching the faceplate. Do not tightly grip the display and buttons to avoid damage.

Lithium Battery Cell Warnings
* Cell leakage may cause damage to the remote control.
* Do not throw cells into as this may cause an explosion.
* Keep battery cells out of reach of children.

Drives and connections
Never place any foreign objects into the openings of the car radio (disc compartment, USB jack, card slot, AUX IN connection). Otherwise you might damage the slots and connections.
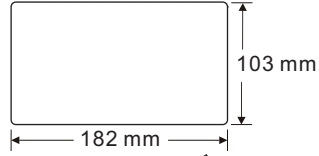
Others Warnings
Do not switch on the car radio for long periods of time when the motor is switched off.
This could cause the car battery to discharge and the vehicle can no longer be started.
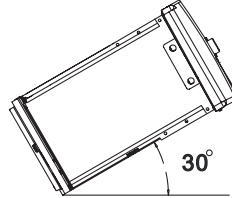
INSTALLATION

Installation Opening
This unit can be installed in any dashboard Having an opening as shown the right figure.

103 mm

182 mm

If installation angle exceeds30 horizontal, the unit may not perform properly.

30°

To Install the Car Radio

1. Make sure the ignition is turned off, and then disconnect the cable from the vehicle battery's negative (-) terminal. You never want electricity running while you install this double-DIN car receiver.
2. Before installation, remove the transport screws, disconnect the wire harness and the antenna. Remove the detachable faceplate from the car receiver.
3. Attach the "L " brackets (2pcs) on the both sides of the car receiver with screws(M5 x 8BM) as shown as the below figure. The others fixing screws that fix the other terminal of the "L" metal bracket, please buy from your dealer according to the drilling of holes size.
4. Consult with you nearest dealer if installation requires the drilling of holes or other modifications of the vehicle.
5. Install the car receiver in the dashboard.
6. Connect the wire harness & the antenna to the car receiver (see "Electrical Connections") being careful not to pinch any wires or cables.
7. Install the detachable faceplate & plastic outer trim ring onto the car receiver.
8. Reconnect the battery and run through all of the options on this car receiver to ensure that everything is working correctly.
9. Particulars will vary widely depending upon the kind of your car and the car you intend to install it in. Please choose the correct installation method according to the actual situation of your car. Always contact the car dealer or manufacturer if you have any questions.

Remove the transport screws before installation.

Electrical Connections

WIRING DIAGRAM

1, 2. ISO Socket:
4PIN&8PIN connector

RR+	RF+	LF+	LR+
RR-	RF-	LF-	LR-

+	+
REM	IGN
+	-
B	GND

3. Fuse 15A
4. Subwoofer PRE-AMP output-1(Green)
5. Subwoofer PRE-AMP output-2(Green)
6. Auxiliary audio input Left CH(White)
7. Auxiliary audio input Right CH (Red)
8. Front left PRE-AMP output (White)
9. Front right PRE-AMP output (Red)
10. Rear left PRE-AMP output (White)
11. Rear right PRE-AMP output (Red)
12. Radio antenna socket

SW-1 SW-2

AUX-L F-L R-L

AUX-R F-R R-R ANT

15A

15 AMP
FUSE REPLACEMENT
WITH ATO TYPE ONLY

- Only use speakers with 4 ohm impedance.

- The maximum current of the Amp Remote trigger is 200mA.

CONTROL PANEL BUTTON LOCATIONS
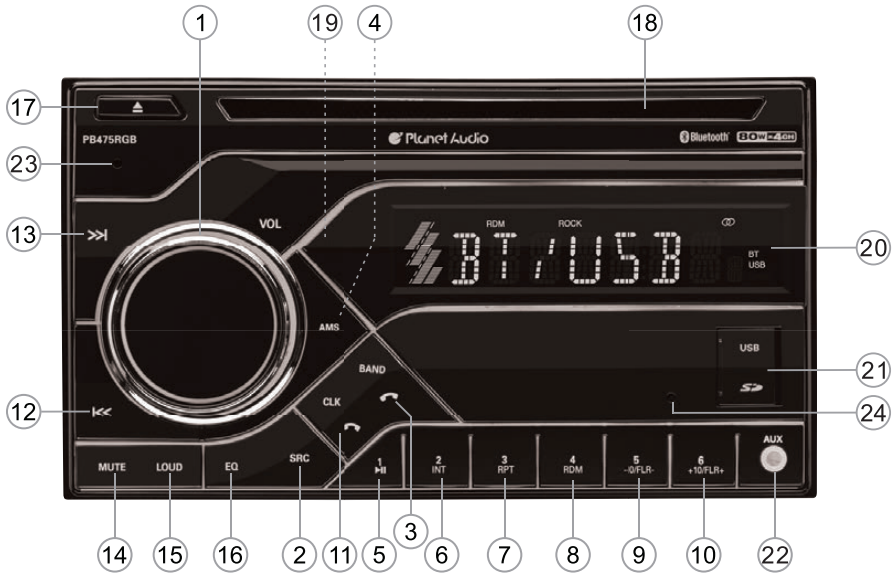
1. ⏻ (power)/Volume knob and SEL (select/menu) button
2. SRC (source) button
3. BAND(band) button, 📞 (answer call) button
4. AMS (automatic store / preset station scan, automatic music search) button
5. ▶❚❚ (pause/play), Preset station1 button
6. INT (intro), Preset station 2 button
7. RPT (repeat), Preset station 3 button
8. RDM (random), Preset station 4 button
9. -10(previous 10 tracks), FLR-(previous folder), Preset station 5 button
10. +10(next 10 tracks), FLR+(next folder), Preset station 6 button
11. CLK (clock setting) button, 📞 (end call) button
12. ❚◀◀ (tune down, seek down,track down, fast reverse) button
13. ▶▶❚ (tune up, seek up, track up, fast forward)button
14. MUTE button
15. LOUD (Loudness) button
16. EQ (Equalizer)
17. ⏏ (eject) button
18. Disc slot
19. IR remote sensor
20. LCD Display
21. USB Port & Micro SD card slot
22. AUX IN (auxiliary input) jack
23. Hands-free Microphone
24. Reset button

GENERAL OPERATION

Turn Unit On/Off
• Press any button on the front panel or on the remote control to turn on the unit.
• Press and hold the power (VOL knob) button on the front panel or briefly press the power (⏻) button on the remote control to turn the unit on or off.

Adjust Volume (VOL)
Rotate the **VOL** knob on the front panel or press the **VOL+** ▲ /**VOL-** ▼ button on the remote control to increase or decrease the volume level.

Adjust Menu Options (SEL)
• Press the **SEL** button on the front panel or on the remote control repeatedly to cycle through the following adjustable audio functions: BASS, TREBLE, BALANCE, FADER, EQ OFF/FLAT /POP/ROCK/CLASS, LOUD ON/OFF, BLUE / RED / CYAN / GREEN / PURPLE / YELLOW / WHITE / AUTO, DX/LOC, STEREO/MONO, VOL LAS / ADJ, AREA US/EU, CLOCK 12/24, BEEP ON/OFF, VOLUME.

• Rotate the **VOL** knob on the front panel or press the **VOL+** ▲ /**VOL-** ▼ button on the remote control to adjust the selected item.

    - BASS/TREBLE:-07,-06, ~, -01,00,+01,~, +06,+07
    - BALANCE:L07,L06,~, L01, 00, R01,~,R06,R07
    - FADER:R07,R06~,R01,00,F01,~,F06,F07
    - EQ(Equalizer) Setting:OFF, FLAT, POP, ROCK, CLASS
    - Loudness: LOUD ON/OFF

    - 7 color-changing illumination in buttons:
      This car radio device is equipped 7 color-changing illumination in buttons.
      The illumination color can be preset Blue, Red, Cyan, Green, Purple, Yellow, White or Auto (color automatically change one by one).

    - DX/LOCAL: Enables or disables the local broadcast mode (LOCAL).
    - Stereo/Mono: Switches between MONO and STEREO reception mode for radio frequencies.

    - VOL(LAS/ADJ):This option allows you to preset a volume level as the power-on memory volume level.
    - VOL LAST: In this mode,the unit switches on at the actual volume it had when it was last switched off.
    - VOL ADJ: In this mode, the unit power on at the actual volume that you preseted constant switch-on volume level.
      Press the **SEL** button to enter the constant switch-on volume adjusting mode and the "A-VOL XX" will be shown on the LCD display.
      Then you can adjust a constant switch-on volume level by rotating the **VOL** knob.

    - AREA US/EU: This car radio is equipped the USA / Europe frequency.
      Rotate the volume knob to switch between USA and europe frequency.
      The system will change the frequecny setting in about 3 seconds.

    - CLOCK 12/24:
      This unit is equipped with two types of clock display formats, 12 and 24 hours.
      Rotate the volume knob to choose 12 hours format or 24 hours format.

    - BEEP ON/OFF:Enables or disables the "BEEP" signal to confirm use.
    - Volume level:00,01,~,40

GENERAL OPERATION (CONT.)

• Rotate the **VOL** knob on the front panel or press the **VOL+** ▲/**VOL-** ▼ button on the remote control to adjust the selected item.

Set the Clock (CLK)
1. To display clock time, press the **CLK** button.
2. To set clock time, press and hold the **CLK** button and the hour will flash.
3. Press the ◄◄ or ►► button on the front panel or on the remote control to adjust the hour.
4. Press the **CLK** button and the minutes will flash.
5. Press the ◄◄ or ►► button on the front panel or on the remote control to adjust the minute.

Change the Source (SRC)
Press the **SRC** button to switch between RADIO, BT(Bluetooth), DISC(with a CD/MP3 disc inside the disc slot), USB(with USB device inserted), SD(with SD card inserted) and AUX-IN(auxiliary input) modes.

Mute on/off
In power on mode, briefly press the **MUTE** button to toggle mute on or off. The muted state will be also released when the volume knob is used.

Loudness on/off
Press the **LOUD** button to turn on the loudness to reinforce the output of bass frequencies, press again to turn it off.

Preset EQ (Equalizer)
Press the **EQ** button to toggle between EQ OFF, FLAT, POP, ROCK, CLASS.

USB port
The USB port of this car radio is designed for media playback from flash memory devices and charging for iPhone / andriod mobile phone. The charging current consumption is 1 ampere.

Micro-SD card slot
This Micro-SD card slot is designed for media playback from Micro-SD card.

Hands-free Microphone
To receive your voice when you calling by using this bluetooth handsfree system.

Aux input connector
The 3.5mm auxiliary input stereo connection is designed for deiveces with 3.5mm line-out or headphone output.

Reset System (Reset)
The **RESET** button is used to reset all parameters to factory default settings.
This function may be used when the LCD does not display normally or sound is distorted, or when any of controls are disabled. To reset your system, use a thin object with a pointed end to depress the **RESET** button.

RADIO OPERATION

Switch Between USA area and Europe area Frequency
In radio mode, press the **VOL** button to enter the switch state of the US(USA) and EU(europe) frequency, then rotate it to switch between US(USA) and EU(europe) frequency.
The system will change the frequency setting in about 3 seconds.

Change Bands (BAND)
Press the **BAND** button to switch between the FM1, FM2, FM3, AM1 and AM2 bands.
Each band stores up to six preset stations.

Manual Tuning (◄◄ / ►►)
Press and hold the ►► or ◄◄ button on the front panel or on the remote control to enter manual tuning mode. In manual tuning mode, press the ►► or ◄◄ button to move the radio frequency number up or down one step.

Auto Seek Tuning (◄◄ / ►►)
In standby mode or while not in manual tuning mode, quickly press the ►► or ◄◄ button to move to the next/previous available station automatically.

To Store / Recall Preset Stations
The radio can be stored 6 preset stations for each band (FM1, FM2, FM3, AM1 and AM2) for a total of 30 preset stations.
To memorize a station:
  - Turn the radio on and select the desired band and station.
  - Select a station by ►► or ◄◄ button.
  - Press and hold the desired preset button (numbered 1-6 on the face of the radio) for more than 2 seconds to save the station to that preset number.
- To recall a preset station:
  - Select the desired band.
  - Briefly press a preset button (numbered 1-6) to recall the corresponding preset station.

Automatic Store station/ Preset station scan (AMS)
Press and hold the **AMS** button for more than 2 seconds to select six strong stations and store them in the current band. The radio will automatically scan the current frequency and enter the six strongest stations into the preset memory positions for that band.
Briefly press the **AMS** button on the front panel or on the remote control to recall each preset station that saved in the memories in each band.

LOCAL/DX
In urban areas, most stations are strong enough and "LOCAL ON" mode should be selected. Switch to LOCAL OFF mode to search for stations with weaker signals.
Press the **LOC** button on the remote control to choose local or distant reception mode.
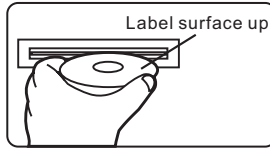
STEREO/MONO
FM station is received in stereo mode. However, if the signal is weak or reception is not as good as you would like, switching to MONO mode usually improves the overall sound quality.
Press the **ST** button on the remote control to choose FM STEREO or MONO audio effect.

DISC / USB / SD CARD OPERATION

To insert DISC / USB / SD CARD
• To play files on a disc, insert a disc with the label surface facing upward into the disc slot.
 Playback will begin automatically.

```
                    ┌─────────────────────┐
                    │      Label surface up │
                    │   ═══════════         │
                    │                       │
                    └─────────────────────┘
```

• To play files in a USB device, open the USB port & micro SD card slot cover, then insert a
 USB storage device into the USB port. Playback will begin automatically.

• To play files in an micro SD card, open the USB port & micro SD card slot cover, then insert
 an micro SD card into the micro SD slot. Playback will begin automatically.

Eject Disc/USB/SD
• To eject a disc, press the ▶❚ button to stop playback. Press the ⏏ (eject) button to eject the
 disc and then remove it.
• To eject a USB device, press the ▶❚ button to stop playback, then remove the USB device.
• To eject an micro SD card, press the ▶❚ button to stop playback, and open the USB & micro
 SD card slot cover, then remove the micro SD card.

Play/Pause
Press the ▶❚ (play/pause) button to pause or resume playback.

Next/Previous Track
• To play the next track, press the ▶▶❚ button.
• To play the previous track, press the ❚◀◀ button.

Fast Forward/Backward
• To fast forward, press and hold the ▶▶❚ button.
• To fast backward, press and hold the ❚◀◀ button.

Introduction Scan
Press the **INT** button to play the first 10 seconds of each track, press again to stop the
introduction scan, and play the current track.

Repeating the same track
Press the **RPT** button to repeat the current track, press again to stop repeat playback and
resume normal playback.

Playing all tracks in random
Press the **RDM** button to play all tracks in random order, press again to cancel this function.

Track/Folder Navigation
• During a disc, USB or micro SD card mode, press the **5/-10** button to go backward 10 tracks.
 Press the **6/+10** button to jump forward 10 tracks.
• During a MP3 disc, USB or SD card mode, press and hold the **5/-10/FLR-** button to go back
 the previous folder. Press and hold the **6/+10/FLR+** button to go to the next folder.
 You can repeat this function depending on the number and level of folders.
• These buttons have no this function if the USB device or SD card has no folders.

DISC / USB / SD CARD OPERATION (CONT.)

Select the track or file for playback in MP3 format
Press the **AMS** button repeatedly to select one of the following 3 search modes:

NUM SCH (Searching by track or file serial number)
DIR SCH (Searching by folder serial number)
FILE SCH (Searching by track or file name)

Searching by track or file serial number:
a) In playback of files with MP3 format, press the **AMS** button once to access the track or file number searching mode which allow you to quickly find a specific MP3 track or file by its serial number, and the "NUM SCH" and "NUM ***" will appear on the LCD display in sequence, and the first symbol "*" will blink.
b) Rotate the **VOL** knob to select the serial number of your favorite file with high speed.
c) Finally press the **SEL** button to confirm and play the selected file.

Searching by folder serial number:
The folder search mode allows you to quickly find an MP3 track or file under a specific group folder.
a) In playback of files with MP3 format, press the **AMS** button twice, the "DIR SCH" will be shown on the LCD display.
b) Rotate the VOL knob to select a desired folder.If there are no root Folder in the MP3 disc, USB or SD card, the LCD will display "ROOT")
c) Press the **SEL** button to play the first track or file of the selected folder.

Searching by track or file name:
This track or file name search function requires only the first few character as search keyword, it will allow you to quickly find an MP3 title by its name.

a) Press the **AMS** button three times, the "FILE SCH" and "***------**" will be shown on the LCD display in sequence, and the first character "*" will blink.
b)Rotate the VOL knob to change the first character (*). The character will be changed from "A" to "Z", "0" to "9" and "_", "-", ",+","space". Press the **SEL** button to confirm the character entered and the next character will blink for setting. Press the **AMS** button to delete the incorrect character.
c) When matched files was found, press the **SEL** button to start play the searched file.
If the file was not found, "NO FOUND" message will be visible on the display.

AUXILIARY INPUT OPERATION

This car radio is equipped an external auxiliary input jack (3.5mm) on the front panel, and a pair audio auxiliary input RCA connector at the rear cabinet of the head unit, it is compatible with audio output from an MP3 music player.

If you have plugged such a player into the AUX IN jack with a audio cable. Or connect other audio device to the audio auxiliary input RCA connector on the rear cabinet of the head unit with a audio input cable. Press the **SRC** button to switch to the AUX input mode, then you can listen to music from external devices.

Note:
Do not use the AUX IN jack and the audio auxiliary input RCA connector at the same time, otherwise, it will cause the audio auxiliary function unusable.

BLUETOOTH OPERATION

Pair and Connect
Prior to using the Bluetooth device as a handsfree system for a Bluetooth-enabled mobile phone for the first time, you must pair and connect the two devices as follows:
1. In any mode, prior to pairing and connecting, the BT logo in the LCD indicating that no device is connected. To begin pairing, enable BT mode on your mobile phone.
2. When the phone finds the car audio system, the "PLANET PB475RGB" will be displayed.
3. Choose the "PLANET PB475RGB" from the device list to pair and connect with the car audio system. Upon confirming, the BT logo will stop flashing.
4. When pairing is complete, the mobile phone audio will automatically transfer to the car audio system whenever a call is made or received, or when the mobile phone plays music.

Make a Call
• To make a call, dial the call directly from the paired mobile phone.
• To make a call with this bluetooth handsfree system:
  a) When linking up the Bluetooth-enabled mobile phone to this bluetooth handsfree system, press the ☎ button to access the dial telephone number mode, then press the "0~9", * and # button on remote control to input the telephone number, and the entered number will be shown on the LCD display.
  b) If a number has been incorrectly inputted, press the **DEL** button or ☎ button to delete it.
  c) Press the ☎ button to make outgoing call.

Redial Last Dialed Number
Press and hold the ☎ button on the control panel to redial the last dialed phone number.

Answer a Call
• When the mobile phone is called, the incoming telephone number displays on the LCD.
• To receive the call, press the ☎ button on the control panel.

Reject a Call
To reject the call, press the ☎ button on the control panel.

End a Call
To end an active call, press the ☎ button.

Switch Audio Between Car Audio and mobile Phone
During a call, press the **VOL** knob/button to switch the audio source from the car audio system back to your mobile phone.

Adjust Call Volume
• During a call, use **VOL** knob or **VOL+** ▲/**VOL-** ▼ button to adjust the call volume level.
• Use the **MUTE** button to mute sound.

Audio Streaming (A2DP)
The unit supports A2DP (advanced audio distribution profile) wireless streaming audio from your Bluetooth mobile device directly to your head unit. You can also control your music from the front panel of the head unit using AVRCP (audio video remote control profile).

1. After pairing, connecting and enabling streaming audio from a compatible mobile device, press the **SRC** button to enter BT mode and display pause in the LCD display.
2. When a mobile device is paired, music played through that device will automatically be heard through the car audio system and display A2DP in the LCD display.
3. Press the ▶▶ or ◀◀ button to play the next or previous on the mobile phone.
4. Press the ▶❚❚ button to pause or resume music playback.

REMOTE CONTROL

Remove Insulating Sheet
The remote control comes with an insulating sheet attached to the underside of the remote control, as illustrated on the right. The remote control will not work until the insulating sheet is removed.
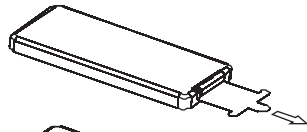
Replace Lithium Battery Cell
1. When the lithium cell battery becomes weak, replace it as illustrated on the right.
2. Press and hold the movable block in the direction indicated by arrow 1. At the same time, pull the cell holder out of the remote control in the direction indicated by arrow 2.
3. Replace the old cell with a new one, making sure the (+) polarity is facing upward.
4. Re-insert the cell holder into the remote control.

⚠ - Cell leakage may cause damage to the remote control.
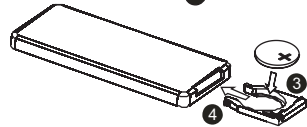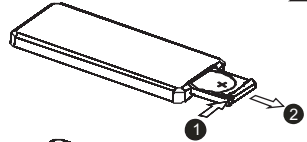- Do not throw cells into as this may cause an explosion.
- Keep battery cells out of reach of children.

Remote Control Operation
Position the emitting window of the remote control toward the sensor window of the unit.
   • The operation angle for front panel remote control reception is about 30 degrees.
   • The distance between the emitting window of the remote control and the sensor window of the unit should remain less 5 meters.

Button Names and Locations

1. ⏻ (Power on/off) button
2. VOL+/VOL-(volume increase/decrease) button
3. Band button, ☎ (anser call) button
4. PREV: tune down, seek down; Track down, fast reverse
5. SEL(selection) button
6. NEXT: tune up, seek up; Track up, fast forward
7. Mute button, DEL(Delete) button
8. CLK(clock setting) button, ☎ (end call) button
9. ▶II button, preset station 1 button, keypad 1
10. INT(intro) button, preset station 2 button,keypad 2
11. RPT(repeat) button, preset station 3 button, keypad 3
12. RDM (random), preset station 4 button, keypad 4
13. -10(previous 10 tracks), preset station 5 button, keypad 5
14. +10(next 10 tracks), preset station 6 button, keypad 6
15. ST (stereo) button, keypad 7
16. LOUD(loudness) button, keypad 8
17. AMS (automatic music search) button, keypad 9
18. SRC(Source) button, keypad ✱
19. EQ(Equalizer) button, keypad 0
20. LOC (local)/DX button, keypad #
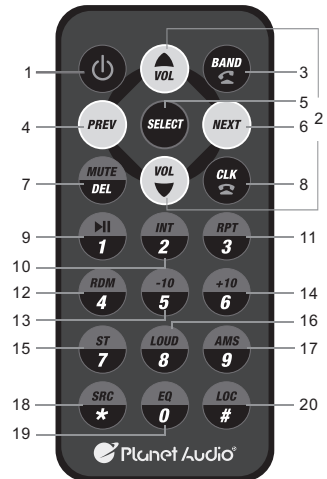
Note: When using the remote control for the first time, you must pull out the portective plastic tab from the battery compartment found on the back of the remote control.

SPECIFICATIONS

General
Chassis Dimensions...178(W) x 160(D) x 100(H) mm
Power Supply Requirement ....DC 12V
Current Consumption ....15A (max.)
Maximum Power Output ....80W x 4CH

Radio

FM
USA/ Europe Frequency Range...87.5 - 107.9 MHz (200KHz/Step)
                                                               87.5 - 108.0 MHz(50KHz/Step)
Usable Sensitivity ....30 dBu
I.F. Frequency ....10.7 MHz

AM
USA/ Europe Frequency Range..530 - 1710KHz (10KHz/Step)
                                                               522 - 1620 KHz (9KHz/Step)
Usable Sensitivity ....20 dBu
I.F. Frequency ....450 KHz

CD/USB/Card
Usable Audio Formats CD/MP3/WMA
USB Port Type..2.0
USB Charging..5V/1A
Card Type...MicroSD™
Pre-amp Output ....Front ,Rear and Sub
Frequency Response ....20 Hz - 20 KHz
S/N Ratio 60dB

BT
BT Profile supports ....A2DP, AVRCP, HFP
Range of frequency ....2.4GHz spectrum

TROUBLESHOOTING

The following chart will help in solving most problems that may occur.
If you still have questions after going through the checklist, please consult your local
customer service representative. Before going through this check list, refer the wiring and
operating procedures.

Symptom	Cause	Solution
No power	The car ignition switch have not turn on.	If the power supply is connected to the car accessory circuits, but the engine is not moving, switch the ignition key to "ACC".
	The fuse has been blown.	Replace a new one.
Disc can not be loaded or ejected.	Presence of CD disc inside the player.	Remove the disc from the player, and insert a new one.
	Inserting the disc in reverse direction.	Insert the CD with the label facing upward.
	The surface of CD is extremely dirty or has been scraped.	Clean the disc or try to replace a new one.
	Temperature inside the car is too high.	Cool off or until the ambient temperature return to normal.
	Condensation	Leave the player off for an hour or so, and then try again.
No sound	Volume is in minimum.	Adjust volume to a desired level.
	The wiring is not properly connected.	Check wiring connection.
Sound skips	The installation angle is more than 30^0.	Adjust the installation angle less than 30^0.
	The surface of CD is extremely dirty or has been scraped.	Clean the disc or try to replace a new one.
The operation keys do not work	Car interior is too hot.	Allow vehicle to cool before using this player.
No radio reception.	The antenna cable is not connected.	Insert the antenna cable firmly into the antenna socket of this radio.
In automatic search mode the radio does not stop at a transmitting station.	The transmission signals are too weak.	Select a radio station manually.