

USER'S MANUAL



PC45RGB

BLUETOOTH®

320 WATTS | MP3/CD COMPATIBLE
DIGITAL MEDIA AM/FM RECEIVER
FEATURING MULTICOLOR ILLUMINATION



Planet Audio®



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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 interference, 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.

Lithium Battery Cell Warnings

- Cell leakage may cause damage to the remote control.
- Do not throw cells into fire, as this may cause an explosion.
- Keep battery cells out of reach of children.
- The use of apparatus in moderate climates.
-  The symbol indicates DC voltage.



For coin/button battery used, please refer for further information to the user manual. Attention should be drawn to the environmental aspects of battery disposal.

CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type.

The batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

WARNING

Do not ingest the battery, Chemical Burn Hazard (The remote control supplied with)

This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.

Keep new and used batteries away from children.

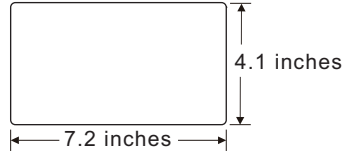
If the battery compartment does not close securely, stop using the product and keep it away from children.

If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

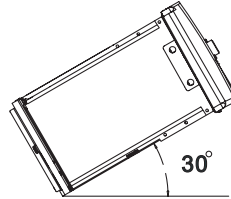
INSTALLATION

Installation Opening

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



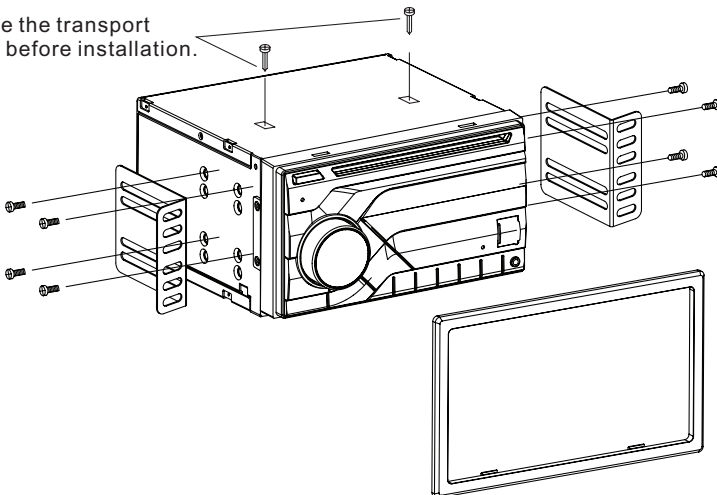
If installation angle exceeds 30 horizontal, the unit may not perform properly.



To Install the Car Radio

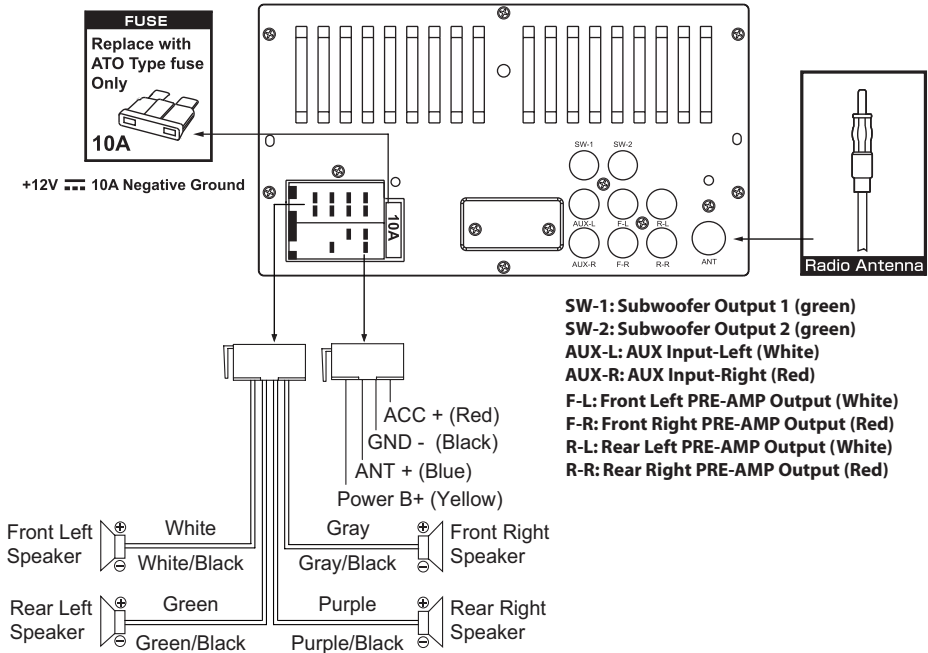
1. Make sure the ignition is turned off, and then disconnect the cable from the vehicle battery's negative (-) terminal. You never want electricity running while you install this double-DIN car receiver.
2. Before installation, remove the transport screws, disconnect the wire harness and the antenna. 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.



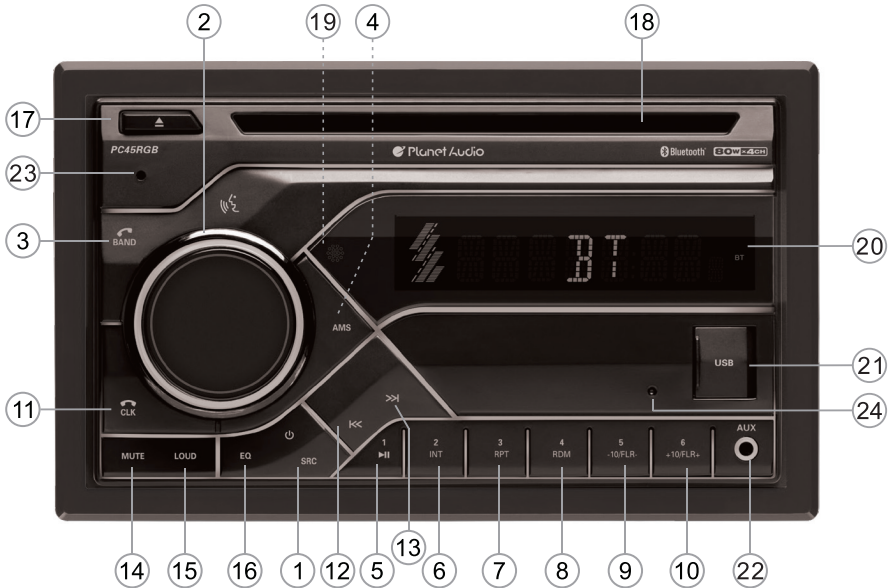
Electrical Connections

WIRING DIAGRAM



- Only use speakers with 4 ohm impedance.
- The maximum current of the Amp Remote trigger is 200mA.
- The equipment shall be protected by the circuit with max. 10 Amperes of the front end of DC source.



CONTROL PANEL BUTTON LOCATIONS



1. ⏻ (power), SRC (source) button
2. Volume knob, 📞 (Push-To-Talk) button, select/menu 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
22. AUX IN (aux audio 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 ( /SRC) button on the front panel or briefly press the power () button on the remote control to turn the unit 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.

Push-To-Talk

Press the  button (volume knob) to access to smartphones voice assistant capability via Bluetooth.

Adjust Menu Options (SEL)

- Press and hold the volume knob or **SELECT** button on the remote control to enter the setting menu, then press the volume knob or **SELECT** button on the remote control to select setting items: BASS, TREBLE, BALANCE, FADER, LOUD ON/OFF, EQ OFF / FLAT / CLASSIC/ POP / ROCK / JAZZ, AUTO(color automatically change one by one) / BLUE / RED / CYAN/GREEN / PURPLE / YELLOW / WHITE, DX/LOC, STEREO / MONO, VOL LAS / ADJ, AREA US/EU, CLK 12H/24H, BEEP ON/OFF, VOLUME LEVEL
- Rotate the **VOL** knob on the front panel or press the **VOL ▲** /**VOL ▼** button on the remote control to change values.
 - BASS/TREBLE:-7,-6, ~, -1, 0,+1,~, +6,+7
 - BALANCE:L10, L9, ~, L1, 0, R1,~,R9, R10
 - FADER:R10, R9, ~, R1, 0,F1,~, F9,F10
 - EQ(Equalizer) Setting: OFF, FLAT, CLASSIC, POP, ROCK, JAZZ
 - 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 volume 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 frequency 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.)

Set the Clock (CLK)

1. Press the **CLK** button to display time.
2. Press and hold the **CLK** button the hours digits start flashing on the display.
3. Set hours by rotating the **VOL** knob.
4. Briefly press the **CLK** button, the minute digits start flashing.
5. Set minutes by rotating the **VOL** knob.
6. Finally press the **CLK** button to confirm your settings.

Change the Source (SRC)

Press the **SRC** button to switch between RADIO, DISC(with a CD/MP3 disc inside the disc slot), USB(with USB device inserted), BT audio(Bluetooth) and AUX IN(aux audio 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, ROCK,POP, CLASS, FLAT.

USB port

Connect to a USB storage device for audio play, or charging of a mobile phone.

Hands-free Microphone

To receive your voice when you calling by using this bluetooth handsfree system.

Aux Audio Input Jack

Connect to the headphone jack on an external device (e.g. a mobile phone or MP3 player) for audio play.

Reset System (Reset)

The **RESET** button (on the front panel) is used to reset the unit.

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 the unit, 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 and hold the volume knob to enter setting menu, then press the volume knob repeatedly to access the state of the USA and Europe frequency, then rotate the volume knob to switch between USA and 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 "LOCALON" mode should be selected. Switch to LOCALOFF mode to search for stations with weaker signals.

Press the **LOC** button on the remote control to choose local or distant reception mode.

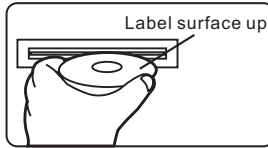
STEREO/MONO

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 OPERATION

To insert DISC / USB

- To play files on a disc, insert a disc with the label surface facing upward into the disc slot. Playback will begin automatically.



- To play files in a USB device, open the USB port cover, then insert a USB storage device into the USB port. Playback will begin automatically.

Eject Disc/USB

- To eject a disc, press the **▲** (eject) button to eject the disc and then remove it.
- To eject a USB device, remove the USB device.

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 toggle between RPT ONE (Continuously repeats current track), RPT DIR (Continuously repeats all tracks in current folder), RPT ALL (Play all track) and RPT OFF.

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 mode, press the **5/-10/FLR-** button to go backward 10 tracks.
Press the **6/+10/FLR+** button to jump forward 10 tracks.
- During a MP3 disc, USB 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 has no folders.

DISC / USB OPERATION (CONT.)

Select the track or file for playback in MP3 format

During CD, USB playback, press the **AMS** button to enter the track search modes:

- a) In playback of CD or files with MP3 format, press the **AMS** button to access the track or file number searching mode which allow you to quickly find a specific track or MP3 file by its serial number.

- b) Rotate the **VOL** knob to select the number of your favorite track or file with high speed. You can also press the numerical keys on the remote control to select a specific track by its serial number.

- c) Finally press the **SEL** button (volume knob) to confirm and play the selected track.

AUX AUDIO 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


Pair the mobile phone with the device before using it.

1. In any mode, prior to pairing and connecting, the BT logo is flashing 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 AUDIO PC45RGB" name will be displayed.
3. Choose the "PLANET AUDIO PC45RGB" 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.


Disconnect or reconnect the bluetooth connection

Press and hold the  button to disconnect or reconnect the bluetooth connection.


Answer a Call

- When the mobile phone is called, the incoming telephone number displays on the LCD display.
- To receive the call, press the  button on the front panel.

Reject or End a Call

To reject or end the call, press the  button.


Redial Last Dialed Number

Press the  button to redial the last dialed phone number.

Switch Audio Between Car Audio and mobile Phone

During a call, press the volume knob to switch the audio source from the car audio system back to your 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 on remote control to access the dial telephone number mode, then press the "0-9", * and # button on remote control to input the telephone number, the entered number will be shown on the LCD display.
- b) If a number has been incorrectly inputted, press the **DEL** button on the remote control to delete it.
- c) Press the  button to make outgoing call.

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 the "BT AUDIO" will be shown on the LCD display.
2. When a mobile device is paired, music played through that device will automatically be heard through the car audio system.
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.

Push-To-Talk

This Push-To-Talk feature allows direct access to Android and IOS smartphones voice assistant capability when user establish the bluetooth connection between user's smartphone and this receiver.

Simply connect directly from this receiver via Bluetooth with  button (volume knob).

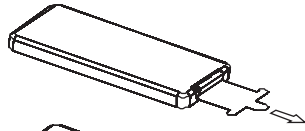
Note:

Before using the Push-To-Talk, user must enable the mobile data on user's smartphone. To use the navigation feature, switch to the BT Audio source to hear voice commands over your vehicles speakers.

REMOTE CONTROL

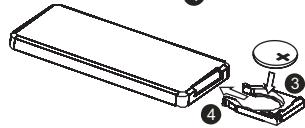
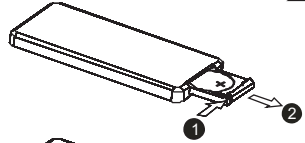
Remove Insulating Sheet

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 fire as this may cause an explosion.
- Keep battery cells out of reach of children.

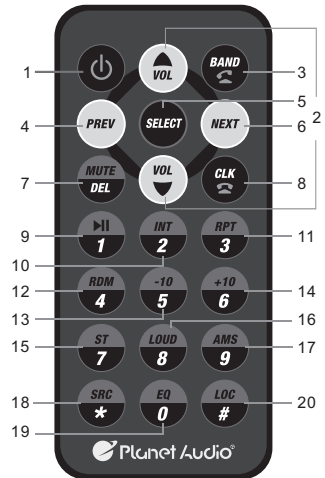
Remote Control Operation

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 than 5 meters.

Button Names and Locations

1. Power on/off button
2. VOL ▲ /VOL ▼ (volume increase/decrease) button
3. BAND button, ANSWER (answer 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 (end call) button
9. 1 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 protective plastic tab from the battery compartment found on the back of the remote control.

SPECIFICATIONS

General

Chassis Dimensions.....7.0 (W) x 6.3(D) x 4.0(H) inches
Power Supply Requirement DC 12V
Current Consumption10A (max.)
Maximum Power Output80W x 4CH

Radio

FM

USA/ Europe Frequency Range.....87.5 - 107.9 MHz (200KHz/Step)
87.5 - 108.0 MHz (50KHz/Step)
Usable Sensitivity30 dBu
I.F. Frequency10.7 MHz

AM

USA/ Europe Frequency Range.....530 - 1710KHz (10KHz/Step)
522 - 1620 KHz (9KHz/Step)
Usable Sensitivity20 dBu
I.F. Frequency450 KHz

CD/USB

Usable Audio FormatsCD/MP3/WMA
USB Port Type.....2.0
USB Charging.....5V/1A
Pre-amp OutputFront ,Rear and Sub
Frequency Response20 Hz - 20 KHz
S/N Ratio60dB

BT

BT Profile supportsA2DP, AVRCP, HFP
Range of frequency2.4GHz 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°.	Adjust the installation angle less than 30°.
	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.



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PC45RGB

BLUETOOTH®

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DIGITAL MEDIA AM/FM RECEIVER
FEATURING MULTICOLOR ILLUMINATION

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