

# USER'S MANUAL



## PC35B

**BLUETOOTH®**

200 WATTS | MP3/CD COMPATIBLE  
DIGITAL MEDIA AM/FM RECEIVER



Planet Audio®



# CONTENTS

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Precautions.....	1
How to Handle Discs.....	1
Precautions and warnings.....	1
Lithium Battery Cell Warnings.....	1
Installation.....	2-3
Prepare Installation.....	2
To Mount the Car Radio.....	2
Wiring Connections.....	3
Removal of the Main Unit.....	3
Control Panel Button Locations.....	4
General Operation.....	5-6
Turn Unit On/Off.....	5
Adjust Volume (VOL).....	5
Push-To-Talk.....	5
Adjust Menu Options (SEL).....	5
Set the Clock (CLK).....	5-6
Change the Source (SRC).....	6
Mute on/off.....	6
Loudness on/off.....	6
Preset EQ(Equalizer).....	6
USB Port.....	6
Hands-free Microphone.....	6
AUX Audio Input Jack.....	6
Reset the Unit.....	6
Radio Operation.....	7
Switch Between USA area and Europe area Frequency.....	7
Change Bands (BAND).....	7
Manual Tuning (  << / >> ).....	7
Auto Seek Tuning (  << / >> ).....	7
To Store/Recall Preset Stations (1 - 6).....	7
Automatic Store Station / Preset Station Scan (AMS).....	7
Local/DX.....	7
Stereo/Mono.....	7
Disc/USB Operation.....	8
To Insert Disc/USB.....	8
Eject Disc/USB.....	8
Play/Pause.....	8
Next/Previous Track.....	8
Fast Forward/Backward.....	8
Introduction Scan.....	8
Repeating the same track.....	8
Playing All Tracks in Random.....	8
Track/Folde Navigation.....	8
Select the track or file for playback in MP3 format.....	9
Aux Audio Operation.....	9
Bluetooth Operation.....	9
Pair and Connect.....	9
Disconnect or reconnect the bluetooth connection.....	10
Answer a Call / Reject a Call / End a Call.....	10
Redial Last Dialed Number.....	10
Switch Audio Between Car audio and Mobile Phone.....	10
To make a call with this bluetooth handsfree system.....	10
Audio Streaming (A2DP).....	10
Push-To-Talk.....	10
Remote Control.....	11
Troubleshooting.....	12
Specifications.....	13

# 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.



### CAUTION

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.

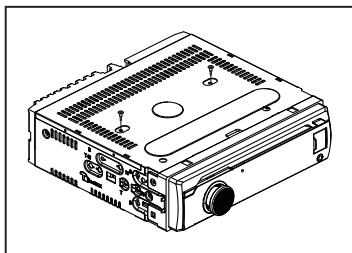
If the battery compartment does not close securely, stop using the product and keep it away from children.

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

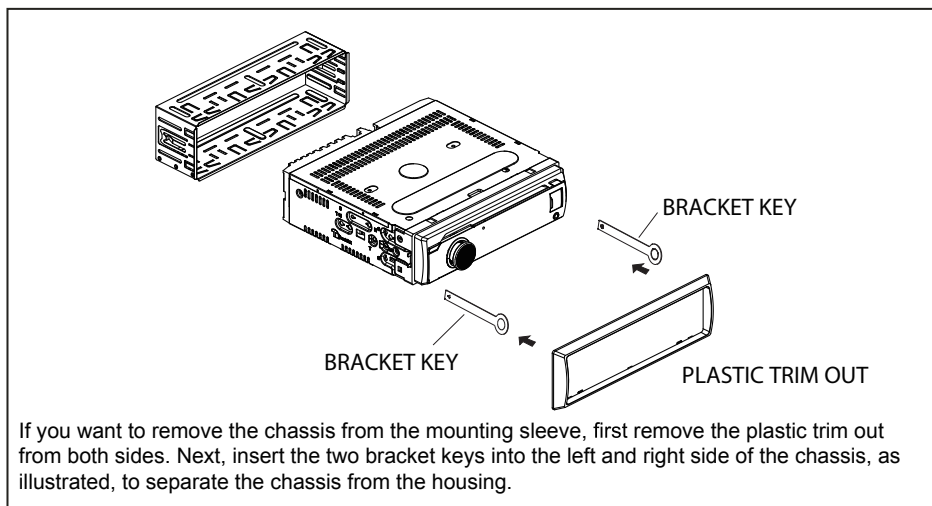
# INSTALLATION

## Prepare Radio

1. Before you begin, disconnect the battery negative terminal.
2. Remove the transport screws.



3. Remove chassis from the mounting sleeve.



If you want to remove the chassis from the mounting sleeve, first remove the plastic trim out from both sides. Next, insert the two bracket keys into the left and right side of the chassis, as illustrated, to separate the chassis from the housing.

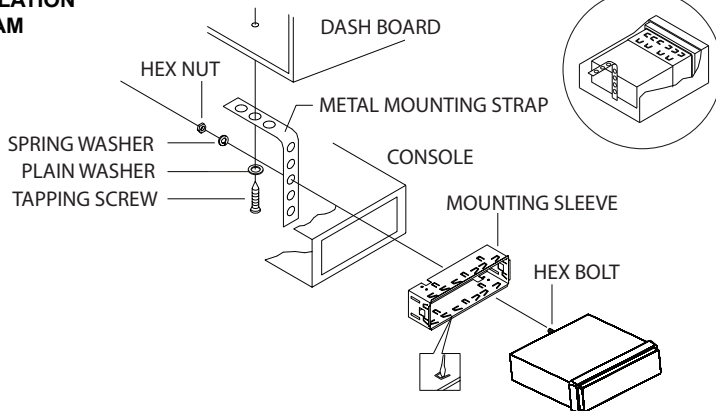
## Mount Radio

Refer to the "Installation Diagram" to install the unit.

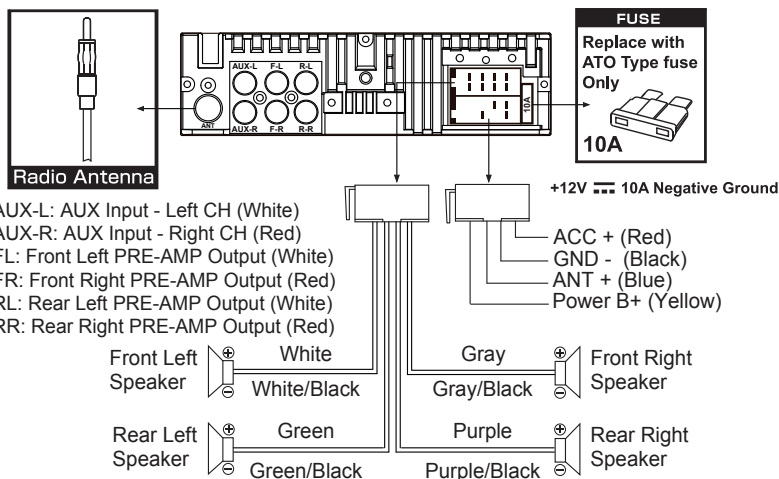
1. Bend the tabs on the mounting sleeve, where necessary, to ensure than the front part of the main unit will remain fixed into the vehicle dash opening.
2. Insert radio into the mounting sleeve.
3. Use a metal strap to secure the rear part of the chassis using the hardware indicated.
4. Make wiring connections, as illustrated in the "Wiring Diagram."
5. Install the plastic trim out.

# INSTALLATION (CONT.)

## INSTALLATION DIAGRAM



## Wiring Connections

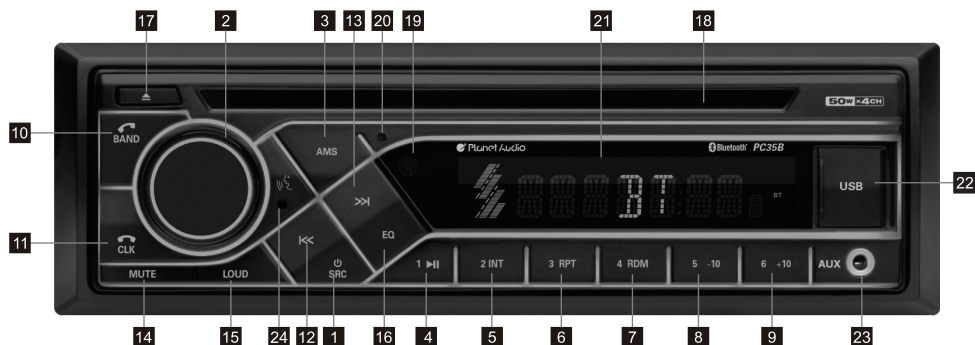


- Only use speakers with 4 ohms impedance.
- The maximum current of the Amp Remote trigger is 200mA.
- The equipment shall be protected by the circuit with max. 10 Amperes of the front end of DC source.

## Removal of the Main Unit

1. Remove the metal strap from the main unit.
2. Remove the plastic trim out from the main unit.
3. Insert a bracket key into the left and right side of the main unit and draw the unit out of the mounting sleeve.

# CONTROL PANEL BUTTON LOCATIONS



1. ⏻ (power), SRC (source) button
2. Volume knob, 🗣️ (Push-To-Talk) button, SEL (select/menu) button
3. AMS (automatic store / preset station scan, automatic music search) button
4. ⏸ (pause/play), Preset station 1 button
5. INT (intro), Preset station 2 button
6. RPT (repeat), Preset station 3 button
7. RDM (random), Preset station 4 button
8. -10(previous 10 tracks), previous folder, Preset station 5 button
9. +10(next 10 tracks), next folder, Preset station 6 button
10. BAND(button), 📞 (answer call) 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) button
17. ▲ (eject) button
18. Disc slot
19. IR remote sensor
20. Hands-free Microphone
21. LCD Display
22. USB Port
23. AUX IN (aux audio input) jack
24. Reset button

# GENERAL OPERATION

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## 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 (⏻) 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.

## Push-To-Talk

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

## Adjust Menu Options (SEL)

• Press the and hold the **SEL** button on the front panel or on the remote control repeatedly to enter into the setting menu, then press the **SEL** button repeatedly to select setting items, rotate the VOL knob to change values: BASS, TREBLE, BALANCE, FADER, LOUD ON/OFF, EQ OFF / FLAT / CLASSIC / POP / ROCK / JAZZ, DX / LOCAL, STEREO/MONO, VOL LAST / ADJ, AREA US/EU, CLOCK 12/24, BEEP ON/OFF, VOLUME.

- BASS/TREBLE:-7, -6, ~, -1, 0, +1, ~, +6, +7
- BALANCE:L7, L6, ~, L1, 0, R1, ~, R6, R7
- FADER:R7, R6, ~, R1, 0, F1, ~, F6, F7
- Loudness: LOUD ON/OFF
- EQ(Equalizer) Setting: OFF, FLAT, CLASSIC, POP, ROCK, JAZZ
- 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 user 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 preset 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 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: 0~40

- Rotate the VOL knob on the front panel or press the **VOL ▲** / **VOL ▼** button on the remote control to change values.

## Set the Clock (CLK)

1. To display clock time, press and hold the **CLK** button on the front panel or press the **CLK** button on the remote control.

# GENERAL OPERATION

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2. To set clock time, press and hold the **CLK** button and the hour will flash.
3. Rotate the **VOL** knob to adjust the hour.
4. Press the **CLK** button on the front panel and the minutes will flash.
5. Rotate the **VOL** knob to adjust the minute.

## 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(Bluetooth), 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 on the remote control 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 on the remote control to toggle between EQ OFF, FLAT, CLASSIC, POP, ROCK, JAZZ.

## USB port

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

## 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)

Push the RESET button with a thin object with a pointed end 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.



# RADIO OPERATION

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## 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 store 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 Preset station (AMS)

Press and hold the **AMS** button to store 18 FM stations and 12 AM stations automatically.

## Automatic Preset Scan

Briefly press the **AMS** button to recall each preset station that stored 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.

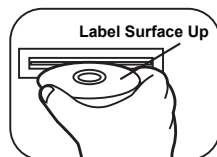
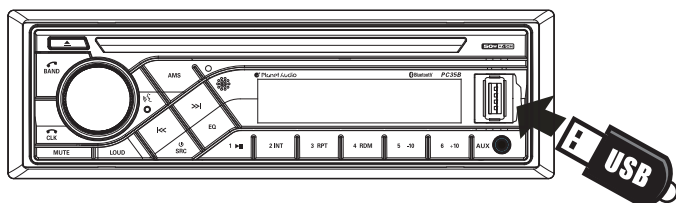
## STEREO/MONO

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 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 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.
- Remove the USB device to eject a 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 1 (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** button to go backward 10 tracks.  
Press the **6/+10** button to jump forward 10 tracks.
- During an MP3 disc, USB mode, press and hold the **5/-10** button to go back the previous folder.  
Press and hold the **6/+10** 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

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## Select the track or file for playback in MP3 format

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

- a) Press the **AMS** button to enter track search mode.
- b) Rotate the **VOL** knob to select the number of your favorite track with high speed.  
You can also press the numerical keys on the remote control to select a specific track by its serial number.
- c) When the desired track number appears, confirm your selection by pressing the **SEL** button.

# 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 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 PC35B" name will be displayed.
3. Choose the "PLANET AUDIO PC35B" 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.


# BLUETOOTH OPERATION

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## 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 **VOL** knob/button 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, and 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 (**VOL** knob).

## Note:

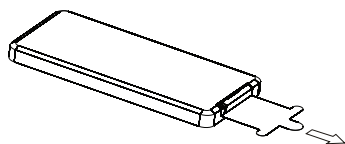
Before using the Push-To-Talk, user must enable the mobile data on user's smartphone.

To use the navigation feature, switch to the BT Audio source to hear voice commands over your vehicles speakers.

# REMOTE CONTROL (CONT.)

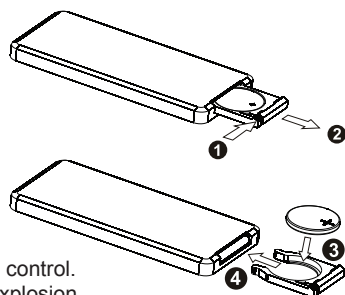
## Remove Insulating Sheet

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.

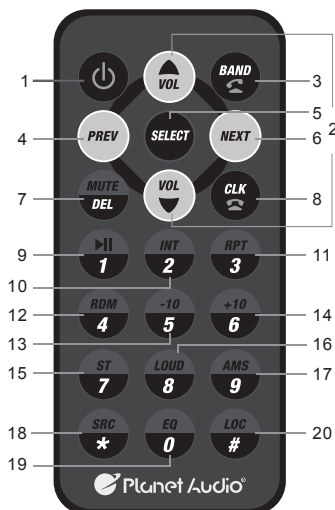
## Remote Control Operation

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 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. ▶|| 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.

# TROUBLESHOOTING

Symptom	Cause	Solution
No Power	Car ignition not on	Switch ignition key to "ACC"
	Fuse blown	Replace fuse
Disc cannot be loaded	Another disc is already in the player	Eject disc and insert new one
Disc cannot be read	Disc was inserted upside down	Insert disc with label facing upward
	Disc is dirty or scratched	Clean the disc or try to play a new one
	Temperature inside the car is too high	Allow vehicle to cool before using player
No sound	Volume turned down	Adjust volume to desired level
	Wiring not properly connected	Check and repair wiring connection
Operation keys not working	Front panel not properly fixed into place	Reinstall the front panel
	Car interior is too hot	Allow vehicle to cool before using player
Sound skips	Installation angle is more than 30 degrees	Adjust installation angle to less than 30 degrees
	Disc is dirty or scratched	Clean disc or try to play a new one
Radio does not work	Antenna cable not connected	Insert antenna cable firmly
Automatic radio station selection does not work	Signals are too weak	Select a station manually

# SPECIFICATIONS

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**General**

Chassis Dimensions.....	7.0(W) x 6.3(D) x 2.0(H) inches
Power Supply Requirement .....	DC 12V
Current Consumption .....	10A (max.)
Maximum Power Output .....	50W 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**

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

**BT**

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



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DIGITAL MEDIA AM/FM RECEIVER**

**[www.planetaudio.com](http://www.planetaudio.com)**

### TELEPHONE

805-751-4854 Customer Service

### TECHNICAL SUPPORT

[www.planetaudio.com/support](http://www.planetaudio.com/support)



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