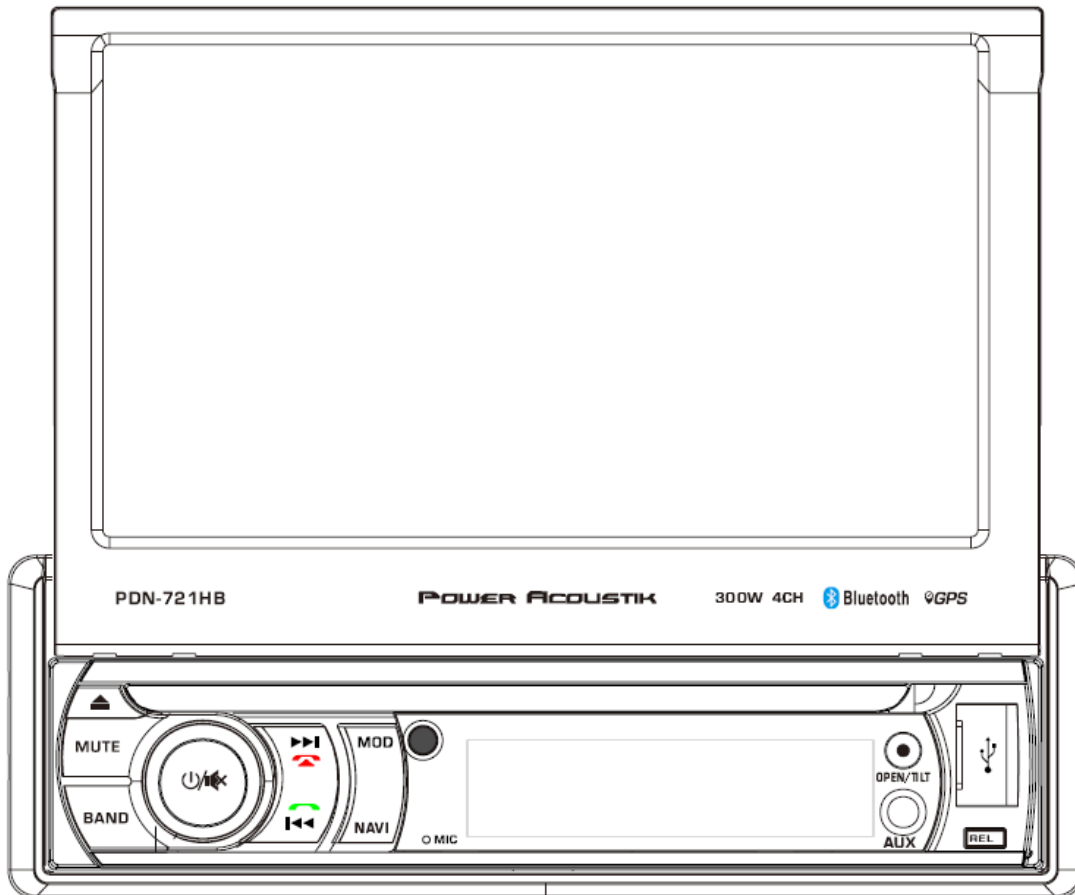


POWER ACOUSTIK

PDN-721HB

In-Dash 7" Touch screen
DVD/CD/MP3/MP4 Player
AM/FM Radio
Support Bluetooth
Support Mobile Phone link
Build in GPS



Owner's Manual

Take the time to read through this owner's manual.
Familiarity with installation and operation procedures will help you obtain the best
Performance from your new DVD-receiver.

WARNING!

To promote safety, certain functions are disabled unless the parking brake is on. The Unit is designed to detect parked status and must be connected to the power supply side of the parking brake switch. Improper connection or use of this connection may violate applicable law and may result in serious injury or damage. To avoid the risk of damage and injury and the potential violation of applicable laws, this unit is not for use with a video screen that is visible to the driver.

- To avoid the risk of accident and the potential violation of applicable laws, the front Video image feature should never be used while the vehicle is being driven. Also, other video displays should not be in a location where it is a visible distraction to the driver. In some countries or states the viewing of images on a display inside a vehicle even by persons other than the driver may be illegal. Where such regulations apply, they must be obeyed and this unit's DVD features should not be used.
- Please remember to wear your seat belt at all times while operating your vehicle. If you are ever in an accident, your injuries can be considerably more severe if your seat belt is not properly buckled.
- The supplier waves any and all liability when these warnings are not followed.

OPERATION PRECAUTIONS

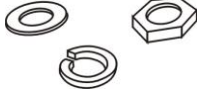


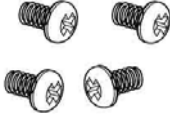
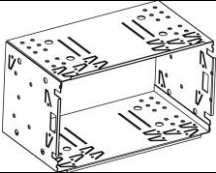

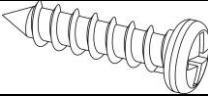

- Only connect to a 12Vdc battery and negative grounding.
- Avoid placing the product in direct sunlight, in areas with high levels of dust, high temperatures (over 40°C) or high humidity (over 90%). In case of high temperatures, cool down the car interior by means of ventilation or air-conditioning.
- Operate in well ventilated areas.
- Do not turn on or off the product in short intervals. When turning the unit off, wait for at least 10 seconds prior to turning the unit on again. Do not operate the player with scratched, bended or broken discs and when a disc is not loaded properly, do not force it into the player.
- Do not watch video playback while driving which will cause serious danger and risks of traffic accident. It may violate the laws and regulations.
(There may be exceptional case, i.e., using rear view camera and navigation system)
- Do not install the unit where the operation for safety driving is restrained.
- Do not disassembly the unit by yourself, if need repairing, please take the unit to the after service center.
- Do not open and close the monitor manually, it may damage the monitor tilt system.
- Do not touch the LCD screen by hard objects, it may damage or give scratch to the LCD screen.
- If the back of monitor touches dashboard or air-conditioner inlet etc after open the monitor , then setup TILT level in monitor TILT menu to prevent damage from repeat touching.
- Car parking under direct sunlight may increase the temperature inside the car and the unit may not be in proper operation, please try it again after the temperature returns to normal.
- Do not replace the fuse on the power cable without professional guidance, using improper fuse may cause damage to the unit or even cause burn the unit.
- Do not use irregular shaped Disk.
- IR remote control operation may be hindered by monitor when the monitor is opened, thus please use the remote control at the similar level of remote control receiver.
- Do not install the unit where the cooling fan is blocked.

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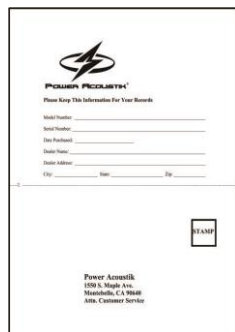
ACCESSORIES

Package contains the following accessories for installation and operation of the unit.

(1) Washer, Spring Washer, M5 Nut	1 each	
(2) Mounting Strap	1	
(3) Bolt	1	
(4) Screw	4	
(5) Mounting Collar	1	
(6) Release Key	2	
(7) Screw	1	
(8) Rubber Cushion	1	



Remote Control



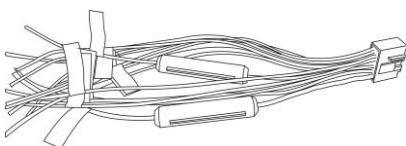
Warranty card



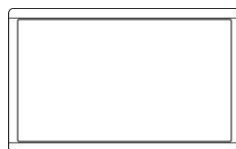
User Manual



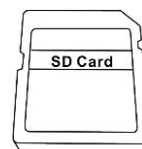
GPS cable



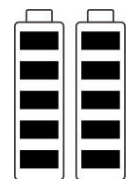
Power cable



Plastic outer trim ring



SD card



AAA Battery

Note:
Product image may vary from the actual delivery.

INSTALLATION / UN-INSTALLATION

Note

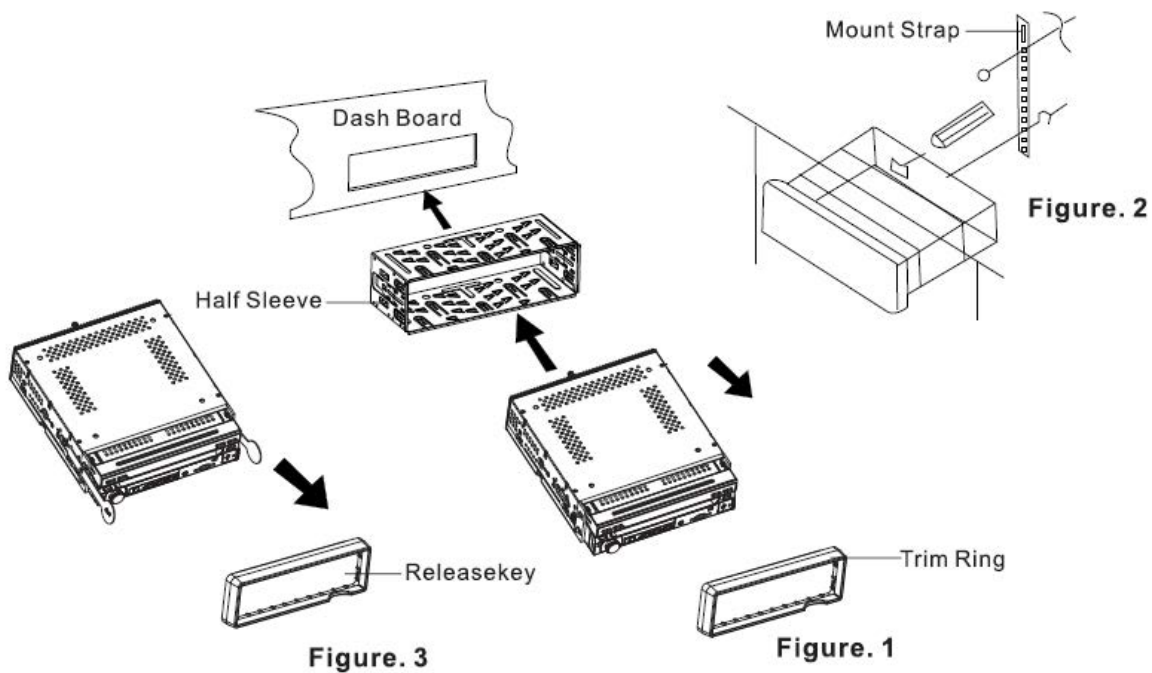
Before starting installation of the unit, make sure the wiring is connected properly. Use only the parts provided with the unit to ensure proper installation.

The use of unauthorized parts may cause malfunction.

Install the unit where it does not get in the driver's way and will not injure the passenger in case there is a sudden stop, like an emergency stop.

◆ INSTALLATION (Figure 1)

- ◆ Insert the unit into dash-board hole and fix it
- ◆ If necessary, place the mount strap at the rear of the unit and fix it with provided washer as figure 2.
- ◆ Place Trim Ring over the unit and installation is completed as figure 1.



◆ UN-INSTALLATION

Insert the supplied extraction keys into the unit and pull the unit out with keeping the extraction keys. (as Figure. 4)

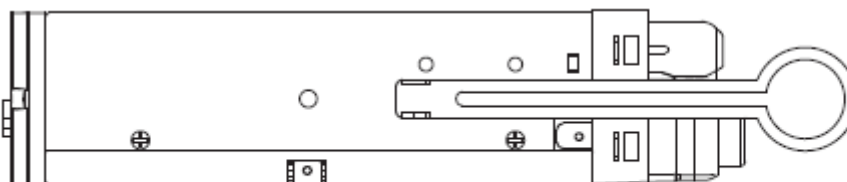


Figure. 4

WIRING CONNECTIONS

Make sure you have good chassis ground. A good ground connection will eliminate most electrical noise problems. A good chassis ground requires a tight connection to the vehicle's metal chassis. The area around the ground connection should be clean, bare metal without rust, paint, plastic, dust, or dirt for a good electrical connection.

Caution: Do not interchange the connection of the wiring!!!

For some car models you may need to modify wiring of the supplied power cord. Contact your authorized car dealer before installing this unit.

Using the ISO Connector

1. If your car is equipped with the ISO connector, then connect the ISO connectors as illustrated.
2. For connections without the ISO connectors, check the wiring in the vehicle carefully before connecting, incorrect connection may cause serious damage to this unit.
3. Cut the connector; connect the colored leads of the power cord to the car battery as shown in the color code table below for speaker and power cable connections

POWER ACOUSTIK DVD/GPS, CD, USB, MP3/MP4, Bluetooth, AM/FM STEREO PDN-72 1HB

CAUTION: + 12V DC Negative Ground FM: 87.5-107.9MHz AM: 530-1710KHz

CONNECTIONS FCC ID: YZVVRN-65HB

2: RL-(GREEN/BLACK)	3: REVERSE(PINK)	4: RL+(GREEN)
5: PARKING(BROWN)	6: FL-(WHITE/BLACK)	8: FL+(WHITE)
9: ACC(RED)/FUSE	10: FR+(GREY)	11: AUTO ANT(BLUE)
12: FR-(GREY/BLACK)	13: GND(BLACK)	14: RR+(PURPLE)
15: BATTERY(YELLOW)/FUSE	16: RR-(PURPLE/BLACK)	

NOTE: Never connect cable to the system while it is connected to the battery power. Whenever the unit is disconnected from the battery, the preset memory will be erased and the unit will go back to its factory defaults.

When the brown cable for steering wheel control connected to the steering wheel, we can use the steering wheel to control some unit

SWC Interface Connections

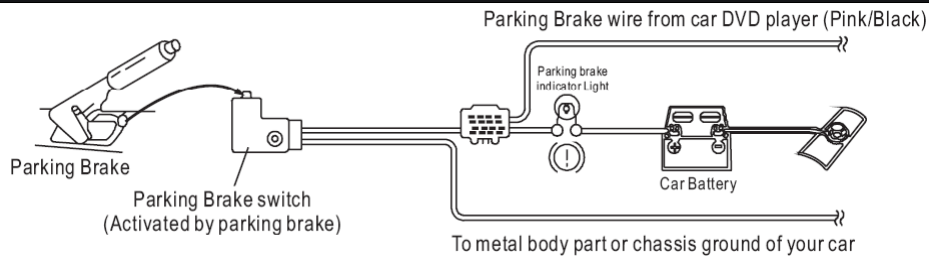
To use the built-in SWC function, connect SWC-1 (white) and SWC-2 (black/white) to the corresponding SWC wires of the vehicle. Follow the SWC settings described in the SWC Settings section, pg. 15.

To use an external universal SWC module, connect only SWC-2 (black/white) to the output of the module.

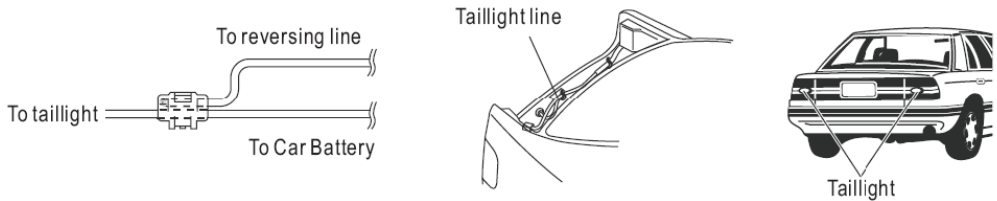
Note: To watch video the parking wire should be connected to brake signal. 2 cables are connected to a Hands-Free device (not included).

Parking wire

Note: The parking wire is connected with brake signal; for safety, the programs can be seen on the monitor after braking the car.



Connecting the reversing line to taillight on the car



After connecting, when you start up the reverse gear, the unit will receive the picture from car rear view camera.

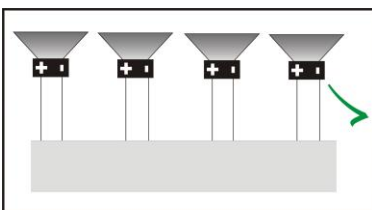
Note:

- Only use groundless loudspeakers.
- Use only loudspeakers of minimal 40Watt, using fewer watts may result in damaging your loudspeakers at higher volumes.
- Use 4~8 Ω (Ohm impedance) loudspeakers only; using higher or lesser impedance may damage the unit.
- Do not use 3-cable loudspeakers and do not connect the loudspeakers minus to the car body (GND). The unit is using a BTL circuit and each loudspeaker must be connected with insulated cables according the diagram.
- Loudspeaker cables and/or optional external power amplifiers must always be about 30cm away from the antenna and/or antenna extension parts.

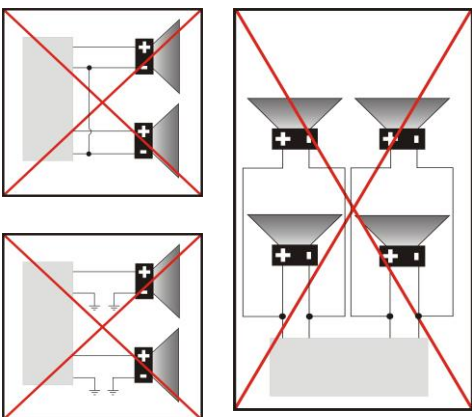
Connect the speakers according the following diagram, incorrect connections will damage the unit or your loudspeakers

Correct connection

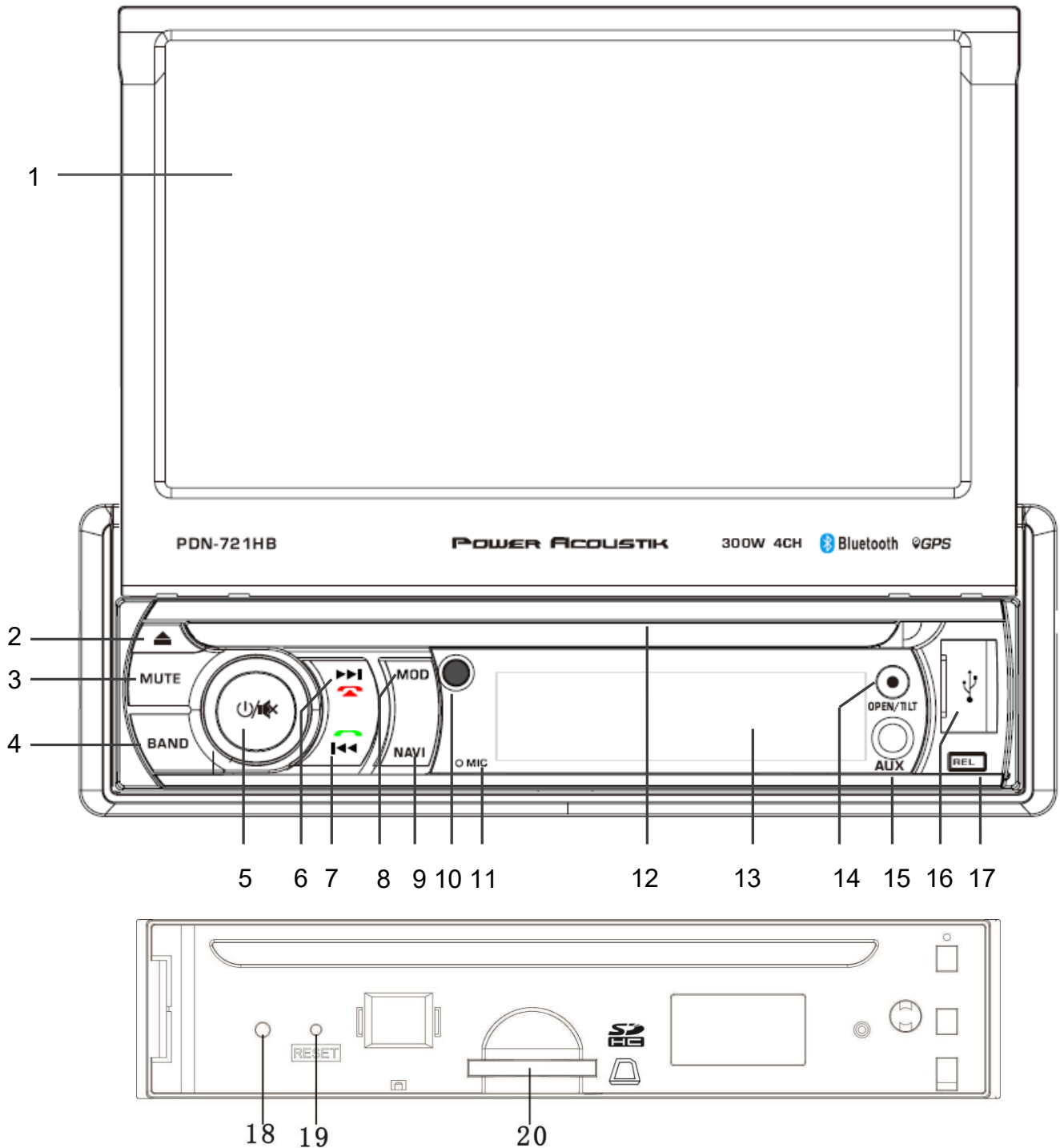
Left front - Right front | Left rear - Right rear



Incorrect connections



FRONT PANEL



1. TFT display

2. EJECT Button

Press to eject a disc. If the disc is not removed for about 10 seconds after eject, the disc is reinserted automatically.

3. Menu Button

Press menu button to go into home page.

4. BAND Button



In Radio mode, press to change radio band in sequence of FM1 → FM2 → FM3 → AM1 → AM2

5. POWER/MUTE Button

Press it to turn the unit on. When the unit is on, short press it mute the volume output, longpress it to turn off the unit.

6. Button / Button



In Radio mode, press to start automatic searching, press and hold for two seconds to start manual searching, then press them to tune each frequency step upward.

In DVD / SD / USB mode, press  button to skip to the next track. Press  button and hold for two seconds to activate fast forward (FF) search in a track.

In BLUETOOTH mode, press to reject a coming call or hang up while calling.

7. Button / Button

In RADIO mode, press to start automatic searching, press and hold for two seconds to start manual searching, then press to tune each frequency step downward.

In DVD / SD / USB mode, press  button to skip to the previous track. Press  button and hold for two seconds to activate fast reverse (REW) search in a track.

In BLUETOOTH mode, press it to accept an incoming call.

8. MODE Button

Press it to select different input mode: Radio, DISC (if there is a disc in unit), USB (if there is a USB device in the unit), CARD (if there is a SD/MMC card in the unit), Bluetooth, and AUX IN.

10. IR

11. MIC slot

12. DISC slot

13. Info Display

Information Display LCD when operation the unit.

14. OPEN/TILT Button

Press this to open and close the TFT monitor. WARNING: Do not obstruct the monitor while in the opening or closing cycle, this may cause damage to the monitor mechanism and is **NOT** covered under warranty.

Press and hold for 2 second to adjust the Monitor tilt angle: TILT ANGLE 1 => TILT ANGLE 2 => TILT ANGLE 3 => TILT ANGLE 4.

Microphone for use with Bluetooth hands free calling.

15. AUX Jack

Connect an external video device to the AUX-IN jack

16. USB slot

17. Release Button

Press to detach and release the front panel. When release the unit will switch off automatically after a few second. **Detach/Attach the Panel:** Press REL button and pull out the left side to detach the panel. To attach it, insert the right side first and then press the left side until hear a click sound.

Information Display LCD when operation the unit.

18. Anti-theft LED light

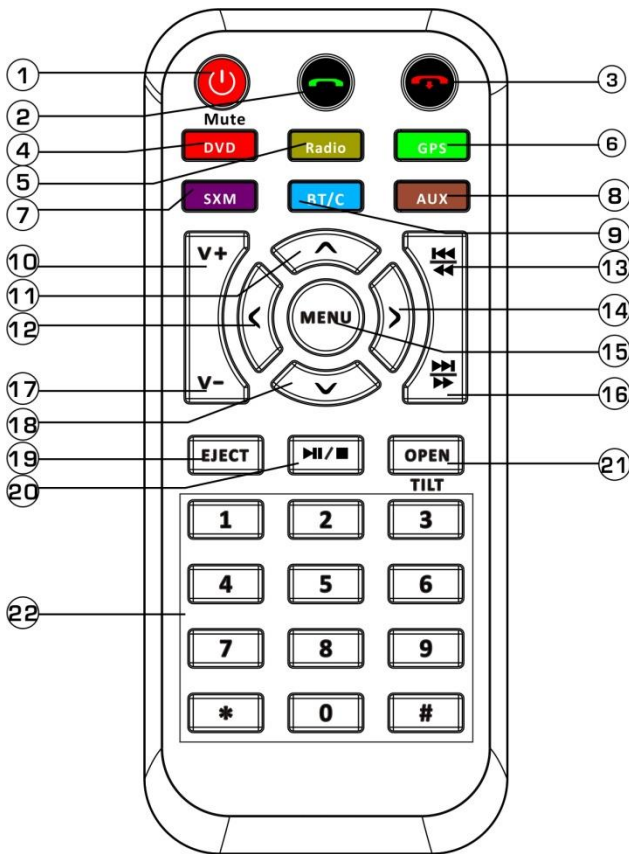
19. RESET Button

Press it with a thin, sharp object. The device will then be reset to factory default settings.

20. SD/MMC CARD slot

SD/MMC card slot, for Multimedia playback files only. Insert a SD/MMC CARD into this slot and the unit will automatically start reading and playback the card. * Supported Music File Format: MP3 Files.

REMOTE CONTROL



- | | |
|----------------------------------|--------------------------------------|
| 1 Power ON/OFF Mute | 3 Hang-up |
| 2 Dial/Answer | |
| 4 DVD Button | 6 GPS Button(Only for AVN model) |
| 5 Radio Button | 8 AUX Button |
| 7 SXM Button(Only for SXM model) | 9 BT / Cancellation |
| 10 Volume + | 13 /Fast Review |
| 11 Up Arrow | 14 Right Arrow |
| 12 Left Arrow | 15 Menu/Ok |
| | 16 /Fast Forward |
| 17 Volume - | |
| 18 Right Arrow | |
| 19 Eject | 21 Open/Tilt(Only for Flip-up model) |
| 20 Play/Pause/Stop | |
| 22 Number Key | |

Note:

- 1 GPS just for Navigation Model
 - 2 SXM just for include SiriusXM function model
 - 3 * # BT/C
 - 4 OPEN/TILT
- These Functions for Bluetooth
Optional function

1. POWER / MUTE

Press and hold to Power it on or off. Short press this button to mute the volume output, press it again to resume volume.

2.DIAL/ ANSWER button (Only for Bluetooth)

Press to make a call after inputted a phone number or answer an incoming call.

3. REJECT / HANG UP button (Only for Bluetooth)

Press to reject a coming call or hang up while calling.

4. DVD button

Press it to DVD mode.

5. RADIO button

Press it to Radio mode.

6. GPS button

Press it to GPS mode.(Only for AVN model)

7. SXM button (Only for SXM)

Press it to SXM mode.

8. AUX/AV IN button

Press it to AUX IN or AV IN mode.

9. BLUETOOTH button

Press it to Bluetooth mode.

10. VOL+ button

Press to increase volume level.

11. Cursor buttons

Use the buttons to select the menu item, the title track or to show next frame.

12. Cursor buttons

Use the buttons to select the menu item. The title tracks it or to show next frame.

13. ⏮ / button

In DVD mode, Press ⏮ button to skip to the previous track. Press and hold ⏮ button for two seconds to activate fast reverse(REW) in a track.

In RADIO mode, press and hold to start manual searching ⏮ button Frequency down.

14. Cursor ➡ buttons

Use the ➡ buttons to select the menu item, the title tracks it or to show next frame.

15. MENU/ENTER button

Press it to confirm selection, Press and hold show main menu..

16. ⏭ / button

In DVD mode, Press ⏭ button to skip to the next track, press and hold ⏭ button for two seconds to activate fast forward(FF) in a track.

In RADIO mode, press to start manual searching ⏭ button Frequency up.

17. VOL- button

Press to decrease volume level.

18. Cursor ▼ buttons

Use the ▼ buttons to select the menu item. The title tracks it or to show next frame.

19. EJECT button

Press it to eject the disc.

20. PLAY/PAUSE/STOP button

In DVD mode, press it to stop playback, press again to resume.

21. OPEN/TILT Button

Press this Button to open and close the TFT monitor. WARNING: Do not obstruct the monitor while in the opening or closing cycle, this may cause damage to the monitor mechanism and is **NOT** covered under warranty.

Press and hold for 2 second to adjust the Monitor tilt angle: TILT ANGLE 1 => TILT ANGLE 2 => TILT ANGLE 3 => TILT ANGLE 4.

22. Digit 0-9 * # buttons

In radio mode, select 1-6 the desired band; In DVD mode, select track. In Bluetooth mode, 0-9 * # enter the phone number or input password.

REMOVE BATTERY

Note:

- The distance may vary according to the brightness of ambient light.
- If the remote is not used for an extended period of time, remove the battery to prevent possible damage from battery leakage and corrosion.
- Do not place any objects between the remote control unit and the sensor on the unit.
- Do not drop the remote control onto the floor; it will damage it beyond repair.
- Do not use the remote control unit, while simultaneously operating the remote control unit of any other equipment; they may interfere resulting in improper operation.
- The battery normally last for about one year although depending how often the remote control is used. If the remote control unit isn't working even when it is operated near the unit, replace the battery with a new battery of the same make and use only a lithium cell battery type: LR03 (1.5V).
- Dispose empty batteries in accordance with your local governmental regulations.
- Do not short-circuit, disassemble, heat or dispose of fire or flames the battery.
- Keep the battery out of reach of children, should the battery be swallowed, immediately consult a doctor.

MAIN MENU

The best way to discover the program is to explore each screen in detail, and to find out how to move from one to another. Read this chapter for a guided tour.

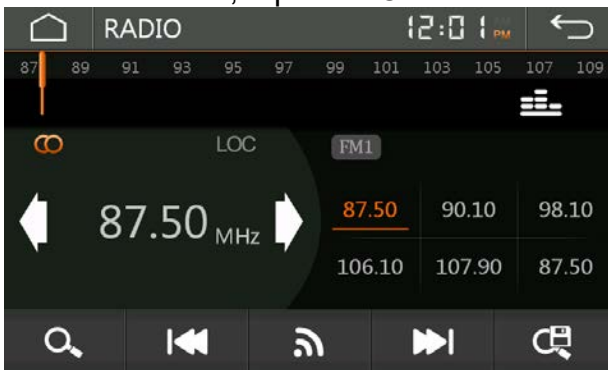
Unit starts by displaying the Main menu. This is the root of the screen hierarchy, and you can simply access all features by tapping on the touch screen buttons.

Tap the icons to enter a desired mode.



◆ RADIO PLAYER

To start Radio, tap RADIO button on main menu screen.



Touch this button to go into home page.



Return button.



Touch this button to select program type.



Touch this button to search backward stations.



Touch this button can choose FM1=>FM2=>FM3=>AM1=>AM2.



Touch this button to search forward stations.



Touch this button can scan the stations from 1-6, Long touch it to save the stations with Good reception automatically and scan each station for about 5 seconds.



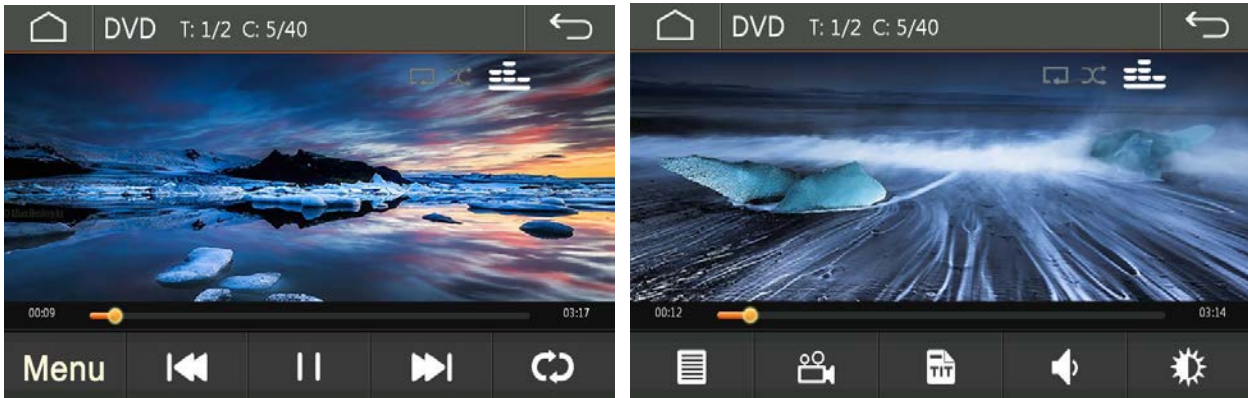
Touch this button adjust the EQ, it can choose User =>Rock =>Pop=> Jazz=>Electric =>Flat => User.

Note: When a radio signal is not received, the default for ST / MO function, once received radio function automatically converted to ST.

◆ DVD PLAYER

To start DVD Player, tap DVD icon from main menu screen.

TOUCH SCREEN MENU



Menu

In DVD mode touch it return to DVD menu.

PBC

In VCD mode touch it can choose PBC ON or OFF.



Touch it to skip to the previous track.



Touch it to pause/play.



Touch it to skip to the next track.



Press it to repeat REP CH => REP TT => REP ALL.



Touch it to select Subtitle 1/2=> Subtitle 2/2=> Subtitle off.



Touch it repeatedly to change the viewing angle.



Touch it to select title



In DVD mode, touch it to select Audio 1/2=> Audio 2/2.

In VCD mode, touch it to select sound track in the sequence of left=>right=>mixed=>stereo.



Touch this button adjust the screen backlight and color.



Touch this button adjust the EQ, it can choose User =>Rock =>Pop=> Jazz=>Electric =>Flat => User.

Note:













1. DVD Player will automatically start playing when you insert any DVD disc, MEMORY card or USB device.
2. Warning displays if the vehicle is moving for driver's safety.
3. DVD Player will not only play video, but also picture and music files as well.

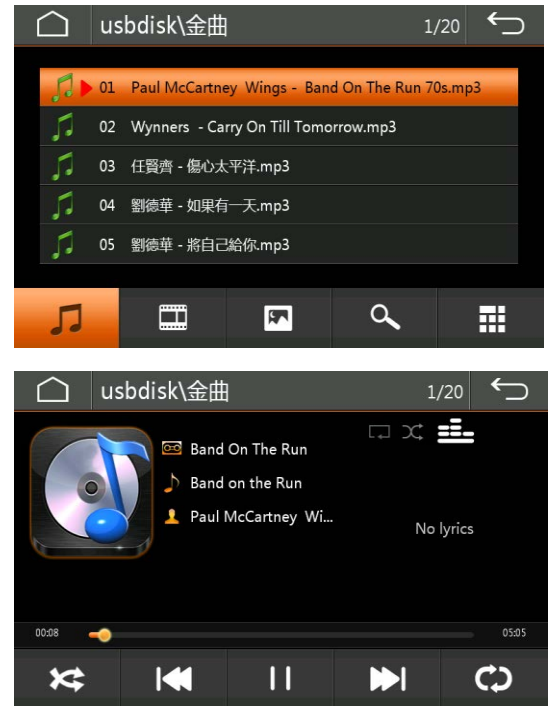
◆ USB INTERFACE OPERATION

USB Disk

When a USB is played, the screen will show following interface:

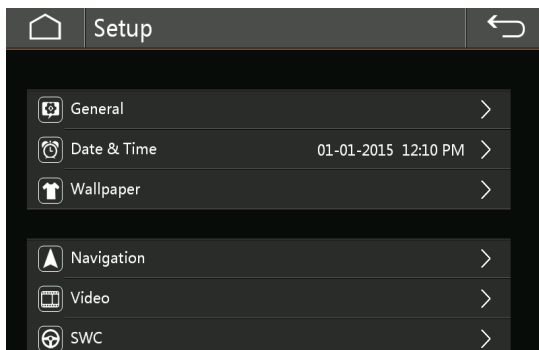
To play MP3/ MP4 files from a USB flash memory, insert a USB flash memory into the USB port on the back of the unit. The unit will play automatically MP3/MP4//JPEG files.

-  Press it to select songs.
-  Press it to select move or video file.
-  Press it to select pictures.
-  Press it to search USB files.
-  Press it to search song, move, and video or picture files.
-  Press it to turn on / turn off track randomly playback.
-  Touch it to skip to the previous track.
-  Play/pause button.
-  Touch it to skip to the next track.
-  Press it to repeat REP CH => REP TT => REP ALL.
-  Touch this button adjust the EQ, it can choose User =>Rock =>Pop=> Jazz=>Electric =>Flat => User.
-  Touch it to enter TITLE MENU (you can choose music, move, picture and Video to play).

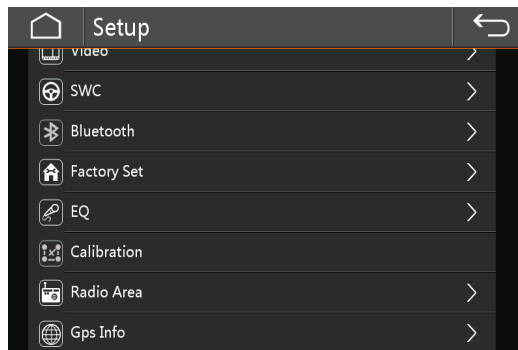


◆SETTING CONTROL

To start SETTING, tap SETUP icon on main menu. Your device has default system settings. You can customize the settings to suit your personal needs. Once you change settings, your new settings will remain until you change it again.



Setup 1

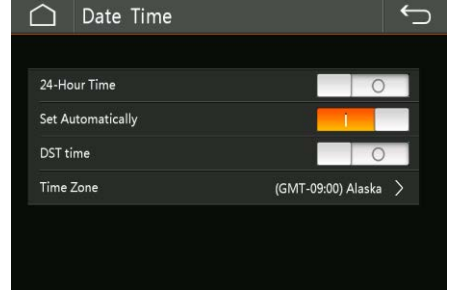


Setup 2


General

	<p>Language: Press it choose English, Portuguese, Japan...and act.</p> <p>Screen Touch Sound: Turn on or off.</p> <p>Lighting Detect: Turn on or off.</p> <p>Screensaver: Choose screen savers and wait time.</p> <p>Reset : Press it can reset all settings.</p> <p>About : Press it can see the software version.</p>
--	---


Date Time

	<p>24-Hour Time :Turn on or of the 24 hour time.</p>
	<p>Set Automatically :Turn on or off automatically set dateand time.</p>
	<p>Time Zone:Press it can choose time zone.</p>


Navigation

	<p>Navi Gain: Adjust Navi volume.</p>
	<p>Disssle media play when navigating: Turn on or off disssle media play when navigating.</p>
	<p>Auto run: Turn on or off the auto run map.</p>
	<p>Navi path: Press it can select the Navi path.</p>


Video

	<p>Rear Camera Mirror: Turn on or off the rear camera mirror.</p>
	<p>Brightness/ Contrast/ Hue/ Saturation: Through the digital level can adjust what you want the brightness, contrast, hue and saturation.</p>
	<p>Colorful/Soft/Reset: Press it to choose backlight effect colorful, soft or reset.</p>

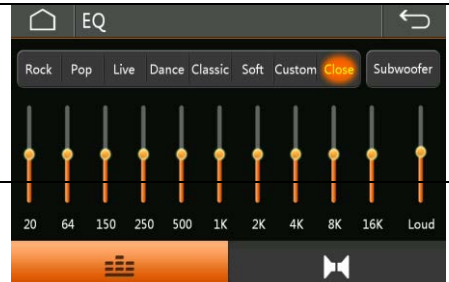
SWC

	<p>Please make sure unit connect SWC1 wire fist, and then press the wheel button, then press the corresponding button on screen.</p>
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Bluetooth

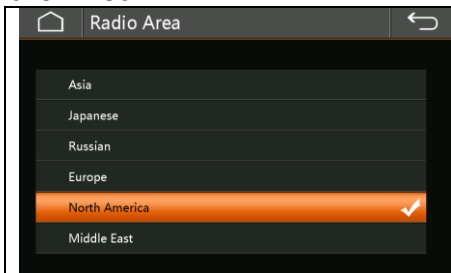
	<p>Auto connect: Turn on or off auto connect with head unit Bluetooth.</p>
	<p>Auto answer: Turn on or off auto answer calling when phone successfully connected Bluetooth.</p>
	<p>Paring code: Setting the paring code</p>

EQ

	<p>Sound Effect: Adjust EQ and balance surround and field.</p>
	<p>Touch EQ button choose Rock, Pop, Live, Dance, Classic, Soft, Custom and close.</p>

Touch balance button adjust balance surround and filed.

Radio Area



Radio Area: Can choose radio area Asia, Japanese, Russian, North America and Middle East.

GPS Information



Radio Area: Can choose radio area Asia, Japanese, Russian, North America and Middle East.

GPS SCETION

To start GPS mode, please insert SD card in GPS slot on the front panel. Firstly tap SETUP icon on main menu and enter to Navigation setting; secondly choose Navigation path and return main menu; thirdly touch GPS icon on main menu or tap main button on the panel enter to GPS. You can choose road and run GPS.



Navigation setup



Enter to GPS

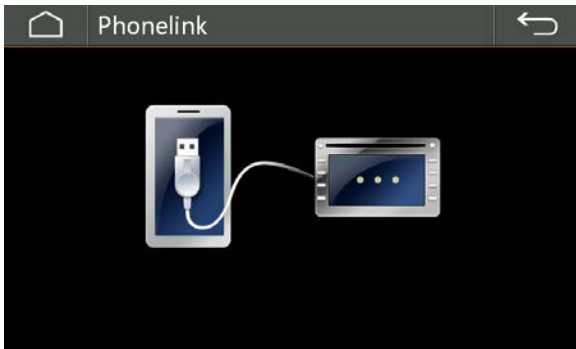
MOBILE PHONE LINK SCETION

Note: Mobile phone link function can only be available:

*Used for Android system phone. Do not support iphone till now.

*Set your phone to debug mode.

When start to operate phone link function, firstly set the phone to USB debug mode; connect the USB cable with mobile phone; then confirm your phone has already connected with unit via Bluetooth, and then tap Phone link icon on the main menu enter to Phone link mode.

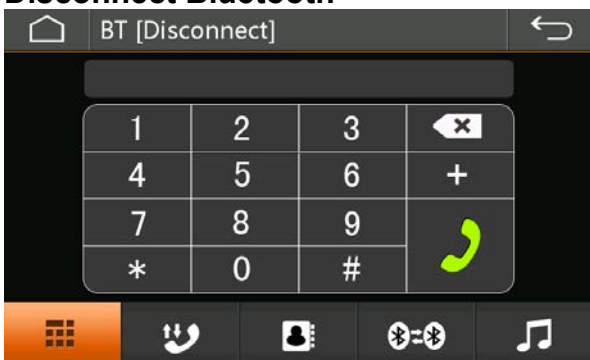


BULETOOTH SCETION

Warning: Driving and having a Telephone conversation at the same time is dangerous, please park your car before having a telephone conversation. The supplier waves any and all liability when this warning is not followed.

To enter Bluetooth mode, you can tap Bluetooth icon on Main menu or long press the mute/Bluetooth button on the Remote Control or press mode button on remote or on front panel.

Disconnect Bluetooth



A user can make own choice by tap the buttons.



Tap Dial button to enter call mode.



Tap this button can see missed, received and dialed calls.



Tap this button can see phonebook.



Tap this button can see previous successfully connected mobile phone and unit Bluetooth information.



Tap Music button to start Bluetooth Music player.



Tap this button Making and accept calling.



Tap this icon to clear number.

Pairing Mode

At the 1st time when using BLUETOOTH, you need to pair the mobile phone first. When a phone has not been paired with the unit, the BT icon and Pairing mark will blink continually on the panel.

When the unit has connected with phone, the BT icon will turn on and the Mobile phone name (if available) will be displayed on the panel.

According to mobile pairing device manual, after searching for a new device (PowerAcoustik), select it, input password "0000" and confirm OK, device pairing is finished.



The text 'Enter Number' will show on the panel after the pairing is completed. It means the device is connected and ready for BLUETOOTH communication.



Auto-connect – Disconnect

When power on the unit, the last paired phone will be connected to the device via Bluetooth automatically, after searching about one minute, if the device cannot find the paired phone, it will stop searching. When in standby mode (unconnected), long press Bluetooth button on remote control to activate auto-connect function and the device will search for the last paired phone. If you want to disconnect the Bluetooth connection, turn off the Bluetooth on the phone.

1. Dial BUTTON

Tap on Dial button to enter call mode.

In Call mode, the unit can be used as your phone. Making and receiving calls are possible with BLUETOOTH. Simply tap phone number and tap  button to make a call, and tap  button to hang up.

- 1.) Tap  button shortly to delete a wrong digit, or press Reject/INT button on remote to delete all the numbers at once.
- 2.) Tap  button the device automatically makes a call to the latest call in its call log.

Voice Transfer

During a call, you can change a call from Bluetooth mode to phone by tapping Transfer button. To have a call in Bluetooth mode again, tap Transfer button.

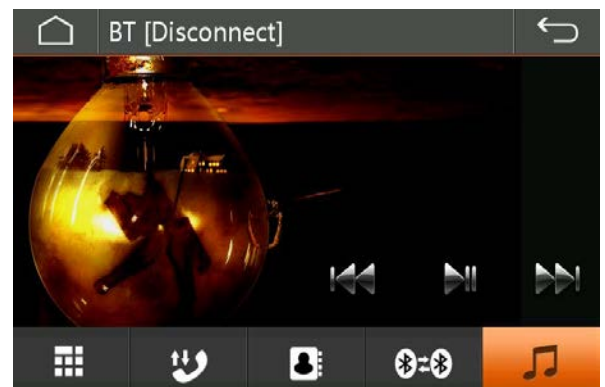
NOTE: the phonebook only supports Western Characters. Any difference in character will be shown such as "+, * or #"

2. (A2DP) Music Mode

Tap Music button to listen music in Bluetooth mode. You can select the function with the key for previous, play or pause, stop and next.

A2DP (Advanced Audio Distribution Profile) Music Player

A2DP is a function which can receive the audio frequency signal from the mobile phone, amplified by the car audio and played out by the car speakers.



Notice: your mobile phone needs to support A2DP.

Tap the buttons on the screen as shown, or press corresponding buttons (PAUSE/PLAY, STOP, PREVIOUS/NEXT) on remote control to play, pause, play previous, or next music file.



AUX IN MODE

To start AUX Mode, tap on AUX button from main menu screen. Connect the external audio/video signal source to this unit. Select AUX mode in the main menu or by repeat Mode button on the front panel.

Note: If there is no external video input, the TFT displays "NO VIDEO SIGNAL".

OTHER FUNCTIONS

Subwoofer

Connect the subwoofer to the unit using sub output (see electrical diagram).  Tap it on screen enter into main menu setting choose EQ, or touch  this icon directly enter to EQ mode set subwoofer ON to enable subwoofer.

Parking

When the car is stopped and the parking brake is working, the screen can display the video image, otherwise the screen can't display the video image

Back View Camera

This unit is equipped with back view camera output. The camera is used to observe the situation behind the vehicle when you are backing the car.

Please connect your back view camera with the back car video input. And connect the reverse wire for back a car with the rear gear light. Rear view camera picture will be enabled when you are backing the car.

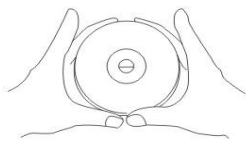
NOTES ON DISC

- ✧ Only use groundless loudspeakers.
- ✧ Use only loudspeakers of minimal 40Watt, using fewer watts may result in damaging your loud speakers at higher volumes.
- ✧ Use 4~8 Ω (Ohm impedance) loudspeakers only; using higher or lesser impedance may damage the unit.
- ✧ Do not use 3-cable loudspeakers and do not connect the loudspeakers minus to the car body.
- ✧ (GND). using a BTL circuit and each loudspeaker must be connected with insulated cables according the diagram.
- ✧ Loudspeaker cables and/or optional external power amplifiers must always be about 30cm. away from the antenna and/or antenna extension parts.
- ✧ If want to display for 7" TFT, parking wire must be connected to ground.

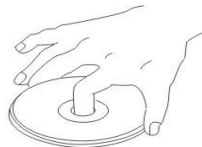
Handling discs

Handling

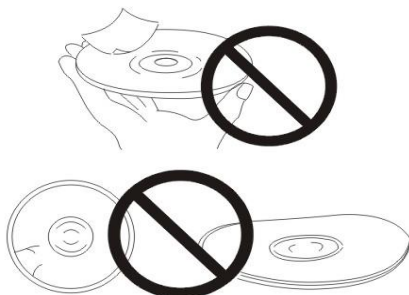
When holding
With both hands



When holding
with one hand



- Do not use damaged (cracked or warped) discs.
- Do not scratch the signal surface or let it get dirty.
- Do not attach paper or seals to discs. The player may be damaged if there is any exposed glue, etc., On discs. For rental discs in particular, extra labels are often attached to the discs. Check carefully for any exposed glue before using such discs.

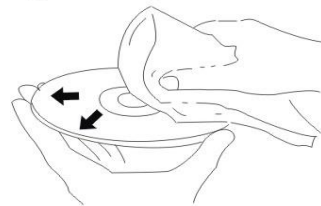


Storing discs

- Always place discs in their case and store them vertically. Avoid storing discs in hot or humid places, places exposed to direct sunlight and places in which the temperature is extremely low.
- Read any cautions included with the discs carefully.

Cleaning discs

- Fingerprints or dust on discs may reduce sound or picture quality. Remove them by gently wiping the disc from the center toward the edges using a soft cloth.



- Do not use benzene, thinner or other volatile chemicals. Do not use record spray or antistatic spray either.
- We recommend using the separately sold cleaning set to clean discs.
- For tough dirt, apply some water to a soft cloth, wring out thoroughly, wipe off the dirt, then wipe the disc with a dry cloth.

Irregular shaped discs
Irregular shaped discs (heart-shaped discs, hexagonal discs, etc.) cannot be played on this player. Doing so could damage the player. Never use such discs.



TROUBLESHOOTING

	Symptom	Cause	Remedy
General	Power does not turn on. (No sound is produced.)	Fuse is blown	Replace with fuse of the same amperage. If the fuse blows again, consult your store of purchase
		In correct wiring	Consult your local retailer.
	No sound output when operating the unit with amplifiers or power antenna attached.	Power antennal lead is shorted to ground excessive current is required or remote on the amplifiers or power antenna.	1. Turn off the unit. 2. Remove all wires attached to the power antenna lead. Check each wire for a possible short to ground using an ohm meter. 3. Turn on the unit. 4. Reconnect each amplifier remote wire to the power antenna lead one by one. If the amplifiers turn off before all wires are attached, use an external replay to provide remote-on voltage (excessive current required).
			Nothing happens when buttons are pressed. Display is not Accurate
		Panel or main unit Connectors are dirty	Wipe the dirt off with a soft cloth moistened with cleaning alcohol.
CD	Sound is bad directly after power is turned on.	Compact disc is dirty	Clean the compact disc without scratches
		Compact disc is heavily scratched or warped	Replace with a compact disc without scratches.
	Sound is bad directly after power is turned on.	Water droplets may form on the internal lens when the car is parked in a humid place	Let it dry for about 1 hour with the power on.
LCD	Small LCD display error massage	When deck mechanism error, show ERROR 1	Reset the unit.
		When disc or servo error, it show ERROR 2	Change the disc or reset the unit.
		When USB error, t show ERROR 3	1.Remove the USB and insert it again 2. File error, please check the file. 3. Reset the unit.

TROUBLESHOOTING

SYMPTOM	CAUSE	SOLUTION
NO POWER	THE CAR IGNITION IS NOT ON.	IF THE POWER SUPPLY IS PROPERLY CONNECTED TO THE CAR ACCESSORY SWITCH THE IGNITION KEY TO "ACC".
	THE FUSE IS BLOWN.	REPLACE THE FUSE.
DISC CANNOT BE LOADED.	PRESENCE OF DISC INSIDE THE PLAYER	REMOVE THE DISC IN THE PLAYER THEN PUT A NEW UPWARD.
DISC CANNOT BE READ.	INSERTING THE DISC IN UPSIDE DOWN.	INSERT THE COMPACT DISC WITH THE LABEL FACING UPWARD.
	COMPACT DISC IS EXTREMELY DIRTY OR DEFECTIVE.	CLEAN THE DISC OR TRY TO PLAY A NEW ONE.
	TEMPERATURE INSIDE THE CAR IS TOO HIGH.	COOL OFF UNTIL THE AMBIENT TEMPERATURE RETURNS TO NORMAL.
NO SOUND	VOLUME IS IN MINIMUM.	ADJUST VOLUME TO A DESIRED LEVEL.
	WIRING IS NOT PROPERLY CONNECTED.	CHECK WIRING CONNECTION.
THE OPERATION KEYS DO NOT WORK.	THE BUILT-IN MICROCOMPUTER IS NOT OPERATING PROPERLY DUE TO NOISE.	PRESS THE POWER BUTTON FOR ABOUT 10 SECONDS TO RESET THE UNIT.
	FRONT PANEL IS NOT PROPERLY FIX INTO ITS PLACE.	
SOUND SKIPS.	THE INSTALLATION ANGLE IS MORE THAN 30 DEGREES.	ADJUST THE INSTALLATION ANGLE TO LESS THAN 30 DEGREES.
	THE DISC IS EXTREMELY DIRTY OR DEFECTIVE.	CLEAN THE COMPACT DISC/TRY TO PLAY A NEW ONE.
THE RADIO DOES NOT WORK, THE RADIO STATION AUTOMATIC SELECTION DOES NOT WORK.	THE ANTENNA CABLE IS NOT CONNECTED THE SIGNALS ARE TOO WEAK.	INSERT THE ANTENNA CABLE FIRMLY SELECT A STATION MANUALLY.

TECHNICAL SPECIFICATIONS

General	
Power supply:	11~16V DC
Current consumption:	max. 10 A
Maximum power output:	4 x 50W channels (max)
Compatible formats:	DVD/VCD//MP3/MP4/VIDEO/CDDA/PIC TURE CD/CD-R/-RW/DVD±R/±RW PLAYBACK
Dimensions (W x D x H) / weight:	178*170*50 mm/2 kg
Working temperature range:	-20°C - +60°C
ESP function:	10 sec. for Audio CD, 120 sec. for MP3
TFT display	
Screen size:	7inch
Resolution:	800*480 pixel
Aspect ratio:	4:3/16:9
Brightness:	460 cd/m ²
Contrast ratio:	500:1
FM Stereo Radio	
Frequency range(Europe Area):	87.5 – 108MHz(Step 50KHz)
Frequency range(U.S.A Area):	87.5 – 107.9MHz(Step 100KHz)
Frequency range(South America Area):	87.5 – 108MHz(Step 50KHz) 65-74MHz(Step 10KHz)
Frequency range(Russian Area):	87.5 – 107.9MHz(Step 200KHz)
Frequency range(Asia Area):	87.5 – 108MHz(Step 100KHz)
Preset memory stations:	18
AM/MW Radio	
Frequency range(Europe Area):	522kHz - 1620 KHz(Step 9KHz)
Frequency range(U.S.A Area):	530kHz - 1710 KHz(Step 10KHz)
Frequency range(South America Area):	520kHz - 1710 KHz(Step 10KHz)
Frequency range(Russian Area):	522kHz - 1620 KHz(Step 9KHz)
Frequency range(Asia Area):	531kHz - 1602 KHz(Step 10KHz)
Preset memory stations:	12
Audio specification	
Frequency response:	20 Hz-20 KHz
USB interface	
USB type	USB 2.0 full speed
Support format	mp3 , wma, mpeg1, mpeg2, avi

Specifications are subject to change without notice. Mass and dimension are approximate.