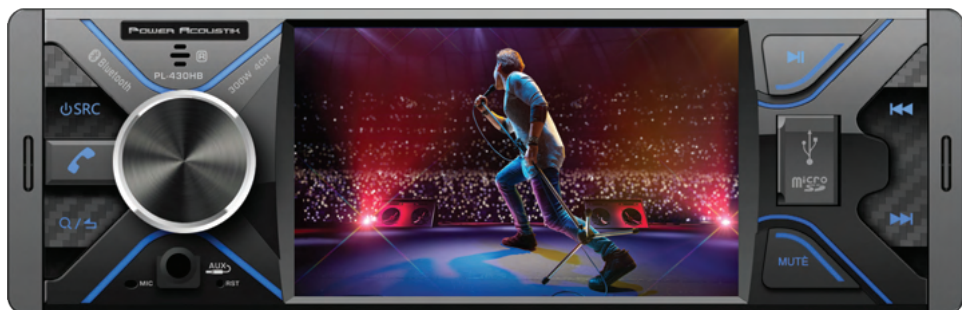


## AV Center

1 DIN 4.3" Monitor  
MP3/MP4  
USB/SD  
Built-in AM/FM Radio  
Support Bluetooth  
Support Phone Link



**X300**  
WATT  
4CH. AMPLIFIER



### **Safety Warning and Considerations**

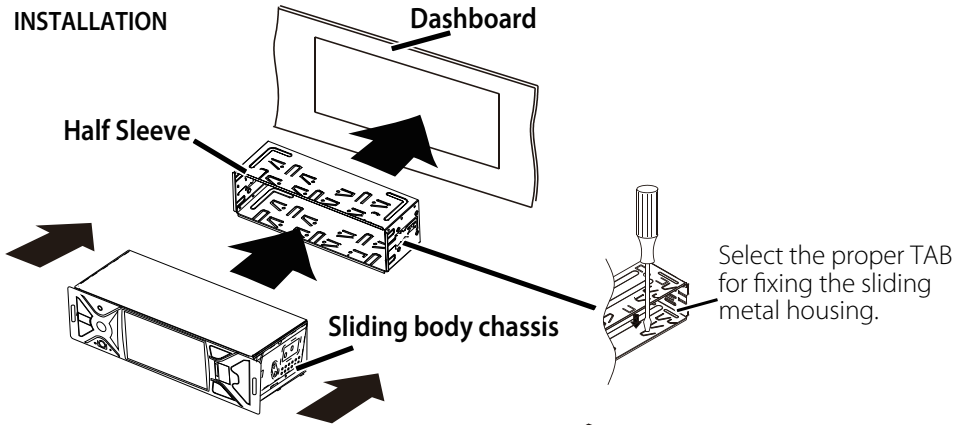
- Clean only with a dry cloth or other similar materials.
- Install your product in a dry location that does not interfere with your vehicle's equipment.
- Do not block any ventilation openings when installing this product.
- Do not mount in the engine compartment of your vehicle or any hot surfaces.
- Securely mount the product so that it does not come loose in the event of a collision or as a result of repeated vibrations that might occur during regular operation.
- Installation of the apparatus must be done with great care to prevent damage to your vehicle's fuel lines, power, and electrical wiring, hydraulic brake lines, and other systems. If possible, always visit your nearest Power Acoustik dealer to perform the installation.
- Do not run any wiring outside or underneath the vehicle. Keep all wires inside the car.
- Take the necessary precautions when making connections to the vehicle's battery to avoid any potential shock.
- Protect all system wires from sharp edges by carefully routing them, always use rubber grommets to protect wiring and cables whenever installing them through metal opening.
- Secure all wiring using cable ties or wire clamps to protect them from moving parts and sharp edges.

Refer all servicing to qualified service professionals. Service is required when the head unit has been damaged. Such as the power input terminals are damaged, liquid has been spilled, or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

- Fuses shall be replaced only with the correct type and fuse value, and only when the apparatus is powered off.
- Exposure to high sound pressure levels may lead to permanent hearing loss. Take every precaution to protect your hearing.
- This product is designed specifically for use with 12V negative-ground systems only. Using this product in systems with positive ground and / or voltages other than 12V may damage the product and your system.

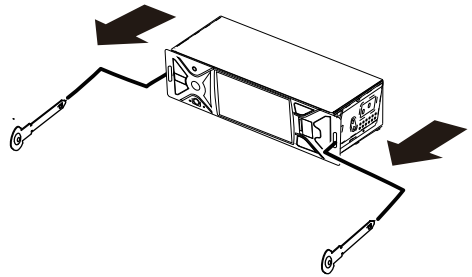
# INSTALLATION/ UN-INSTALLATION & ACCESSORIES

## INSTALLATION



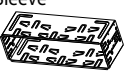

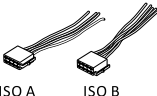




## UNINSTALLATION

Insert the 2 release keys deeply into the slot.  
 With the inserted keys to pull out the unit halfway.  
 Pull the unit all the way with your hands, being carefully not to drop it.



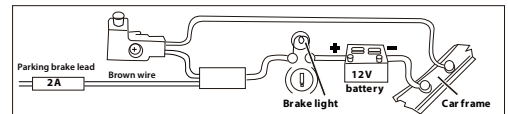
## ACCESSORIES

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

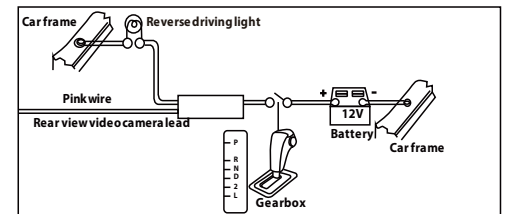
(1) Sleeve  X1	(2) Release Key  X2
(3) ISO Cable (A+B)  ISO A ISO B	(4) Harness  X1
(6) User Manual  X1	(5) Microphone Cable  X1
	(7) Remote Control  X1

## Parking wire

**Note:** The parking wire is connected with brake signal; for safety, the programs can be seen on the headunits touch screen.



Connecting the reverse signal at taillight on the car (12V+ Required for Signal).



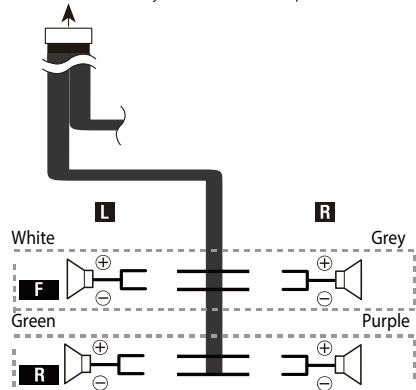
After connecting, when you start up the reverse gear, the unit will receive the picture from car rear view camera.

**Note:** To watch video the parking wire should be connected the brake signal.

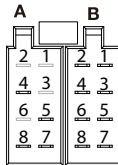
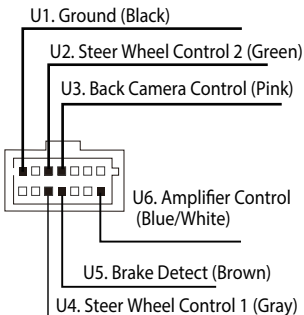
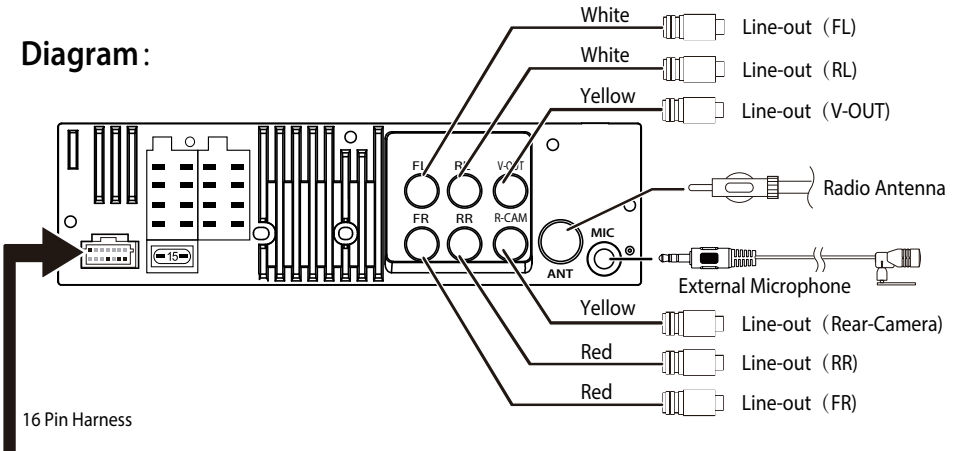
## Speaker Connection

- We recommended using car speaker with minimum 40 Watt potential.
- Headunits potential power may result in damaging your OE speakers at higher volumes.
- Use 4Ω -8Ω (Ohm impedance) speakers only; using higher or lesser impedance may damage the headunit.
- Speaker cables and / or optional external power amplifiers must always be about 30cm away from the antenna and / or antenna extension parts.
- Do not connect the speaker leads of the power harness to battery; otherwise, the unit will be seriously damaged.
- Before connecting the speaker leads the harness to the speakers, check the speaker wiring in your car.

Connect the speakers according to the following diagram, incorrect connections will damage the headunit or your vehicle's speakers.



## Diagram :

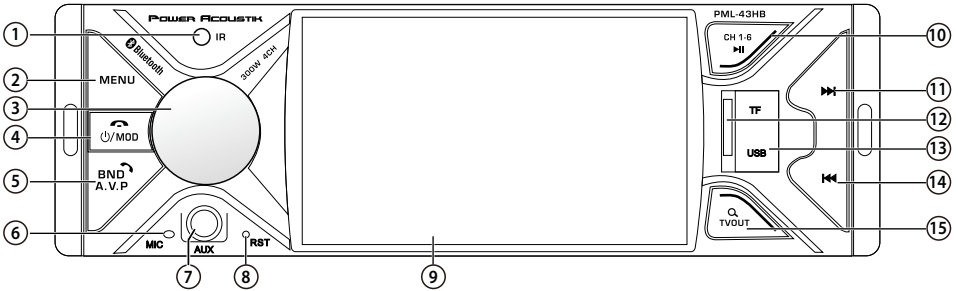


A	Color	Function
1	NC	
2	NC	
3	NC	
4	Yellow	Battery +
5	Blue	ANT
6	Orange	Illumination
7	Red	ACC
8	Black	Ground

B	Color	Function
1	Purple(+)	
2	Purple/Black(-)	Rear Right
3	Gray(+)	
4	Gray/Black(-)	Front Right
5	White(+)	
6	White/Black(-)	Front Left
7	Green(+)	
8	Green/Black(-)	Rear Left

Fuse: Max.15 Ampere  
Voltage: 12V DC; Negative Ground

# PANNEL FUNCTION INTRODUCTION



## 1 IR Sensor of Remote

•IR remote control signal receiving window.

## 2 MENU Button

•In any mode, press MENU to pop-up menu options, then Rotate the Vol-button to select desired mode.

•[USB/SD] Long press to enter folder selection page.

Rotate the Vol-button to select the desired file then press to playback.

Press the ►► or ◀◀ to exchange select file and folder(Music/Video/Photo) area.

## 3 Vol button /Rotary Control/Selection Button

•In operation, rotate to adjust the sound output level.

•Long press to switch Off Mute or Unmute.

•In Pop-menu & setting menu, rotate to selection.

•In operation, short press repeatedly to enter selection Menu, then rotate to select desired value:

Bass: -7~ +7

Treble:-7~ +7

Balance: L7~ R7

Fader: R7~ F7

EQ: BEAT>JAZZ>POP>ROCK>CLASSIC>OFF.

Loud: On / Off.

## 4 ⏻/MOD/📶 Button

•When the unit is turn off, short press to turn on the unit.

Long press to turn off thr unit.

•In any mode, short press to select desired mode.

•[Bluetooth ], short press to hang-up the talking phone or reject the incoming call.

## 5 BND/A.V.P/🔄 Button

•[Radio], press repeatedly to select Band: FM1>FM2>FM3>AM1>AM2.

•[USB/SD], short press to select Music/Video/Photo to playback.

•[Bluetooth], press answer the incoming call or redial out.

## 6 Mic

•Built-inmicrophone.

## 7 AUX jack

•Insert an external device to this port in order to have sound output of that external device through the unit.

## 8 Reset Button

•If the unit or the connected unit fails to operate properly, the unit returns to factory settings when this button is pressed.

## 9 4.3 inch TFT Panel

## 10 CH 1-6 ►| Button

•[Radio], press repeatedly to select desired stored station.

•[USB/SD], press to select Play or Pause.

## 11 ►►|

•[Radio] Press and hold to active manual seek, then press ►►|to step upward. Press previous button ◀◀ to step down. Press to auto seek up.

•[USB/SD Music] Press repeatedly to shift track next for playback. Press and hold to active fast forward speeds for playback.

[Bluetooth Music] Press repeatedly to shift track next for playback. Long press to re-dial the latest call log.

## PANNEL FUNCTION INTRODUCTION & REMOTE CONTROL

•[USB/SD file page] Press to access to right file selection area.

### 12 TF Card

•Insert TF Card for playback.

### 13 USB port

•Connect USB for digital playback.  
•Connect your mobile phone for charging.

### 14 I◀◀

•[Radio] Press and hold to active manual seek, then press ▶▶▶ to step upward. Press previous button I◀◀ to step down. Press to auto seek up.

•[USB/SD Music] Press repeatedly to shift track previous for playback. Press and hold to active fast rewind for playback.

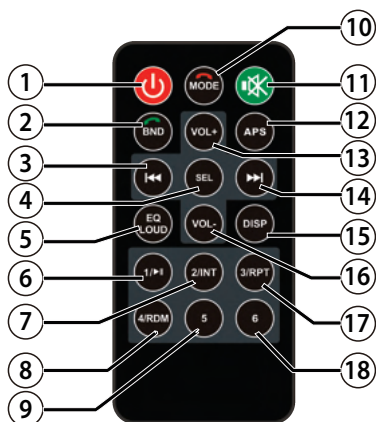
[Bluetooth Music] Press repeatedly to shift track Previous for playback. Long press to dis-connect the phone, press again to re-connect.

### 15 Q TVOUT button

•[Radio] Short press to Prescan search, each scanned station will be play for 3 sec. Long press to Auto Search.

•[Video] Press to transfer the video out, at same time, the unit display will be black. Press again, stop video out, the unit display will turn on.

## REMOTE CONTROL



### 1 ⏻ Button

•Press to Power on / Power off.

### 2 BAND / ↶ Button

•[Radio], press repeatedly to select Band: FM1>FM2>FM3>AM1>AM2.

•[Bluetooth], press answer the incoming call or redial out.

### 3 I◀◀

•[Radio] Press and hold to active manual seek, then press ▶▶▶ to step upward. Press previous button I◀◀ to step down. Press to auto seek up.

•[USB/SD Music] Press repeatedly to shift track previous for playback. Press and hold to active fast rewind for playback.

[Bluetooth Music] Press repeatedly to shift track Previous for playback. Long press to dis-connect the phone, press again to re-connect.

### 4 Selection Button

•In operation, short press repeatedly to enter selection Menu, then press or to select desired value:

Bass: -7~ +7

Treble:-7~ +7

Balance: L7~ R7

Fader: R7~ F7

EQ: BEAT>JAZZ>POP>ROCK>CLASSIC>OFF.

Loud: On / Off.

### 5 EQ/Loud Button

•Short press to select desired preset EQs

EQ: BEAT>JAZZ>POP>ROCK>CLASSIC>OFF.

•Long press to select Loud is On/Off.

### 6 1/▶▶ Button

•[Radio] Press to select preset 1 radio station for broadcasting.

•[USB/SD/BT Music] Press to Play or Pause.

### 7 2/INT Button

•[Radio] Press to select preset 2 radio station for broadcasting.

•[USB/SD Music] Press to active INTRO or not.

8 4/RDM Button

- [Radio] Press to select preset 4 radio station for broadcasting.
- [USB/SD Music] Press to active Random or not.

9 5 Button

- [Radio] Press to select preset 5 radio station for broadcasting.

10 MOD/📞 Button

- In any mode, short press to select desired mode.
- [Bluetooth], short press to hang-up the talking phone or reject the incoming call.

11 Mute Button

- Press to Mute or Unmute.

12 APS Button

- [Radio] Short press to Prescan search, each scanned station will be play for 3 sec. Long press to Auto Search.

13 VOL+ Button

- Press to increase the Volume value.

14 ▶▶

- [Radio] Press and hold to active manual seek, then press ▶▶ to step upward. Press previous button ◀◀ to step down. Press to auto seek up.
- [USB/SD Music] Press repeatedly to shift track next for playback. Press and hold to active fast forward speeds for playback.
- [Bluetooth Music] Press repeatedly to shift track next for playback. Long press to re-dial the latest call log.

15 DISP Button

- Press to display the informations.

16 VOL- Button

- Press to decrease the Volume value.

17 3/RPT Button

- [Radio] Press to select preset 3 radio station for broadcasting.
- [USB/SD/BT Music] Press to active Repeat or not.

18 6 Button

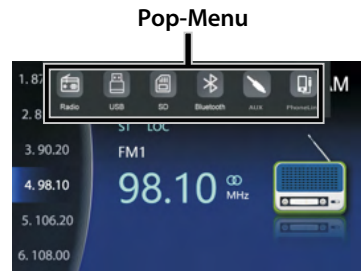
- [Radio] Press to select preset 6 radio station for broadcasting.

**PML-43HB** is a 1-DIN car audio with following functions:

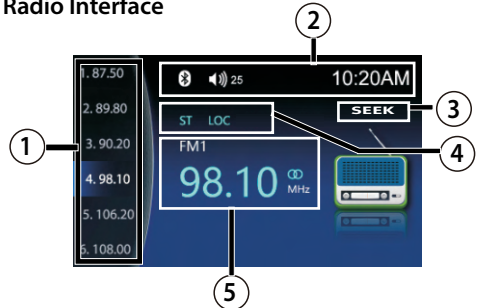
**Radio, Bluetooth, USB, SD, AUX, Camera, PhoneLink.**

**Menu Selection**

- In any mode, press MENU to **Pop-up** menu options, then Rotate the Vol-button to select desired mode: Radio, USB, SD, Bluetooth, AUX in, RCAM, PhoneLink.




**Radio Interface**

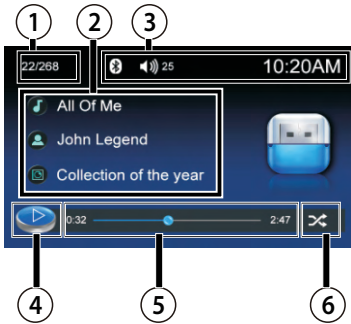


- 1 Preset station.
- 2 Display the headunit information: BT icon, Volume, USB icon, SD icon, time...
- 3 When the radio function is activated, will display the icon: ST, LOC...
- 4 MANUAL SEEK:  
Long press ▶▶ or ◀◀ butto to active Manual Seek, then press repeatedly to step up or down.  
SEEK:  
Long press ▶▶ or ◀◀ butto to Seek up or Seek down.
- 5 Display current playback station's information: Band, Frequency...

**Note: How to store the station.**

1. Search for the desired frequency.
2. Press  button to active the preset station area.
3. Rotate the Vol-button to select the desired preset station.
4. Press the Vol-button to store the station.

**Music (USB/SD) Interface**



- 1 Current playback track sequence number.
- 2 Current playback track ID3 information.
- 3 Display the headunit information: BT icon, Volume, USB icon, SD icon,time...
- 4 Play /Pause status indicator.
- 5 Play time indicator.
- 6 Indicate INTRO/ REPEAT / RANDOM icon.

**Folder Interface**



- 1 Selection area: Music / Movie / Photo.
- 2 Selection area: Select desired file to playback.

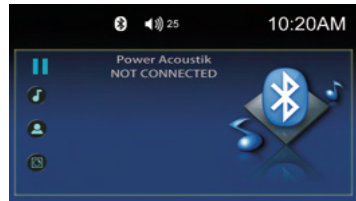
**Note: How to Select the file.**

•[USB/SD] Long press to enter folder selection page.  
 Rotate the Vol-button to select the Music/ Video/Photo, then ② area will display all the folders and files.  
 Press the ►► to access the ② area, then rotate the Vol-button to select the desire file, press Vol-button to confirm to start play.  
 Press the ◀◀ to back the ① area.

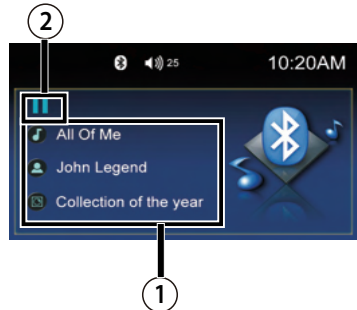
**Bluetooth Pairing**

Turn On the Bluetooth of the Mobile phone/ Bluetooth device, you can see the Power Acoustik. Select the Power Acoustik for pairing and connection.

**No Paired**



**Bluetooth Music**

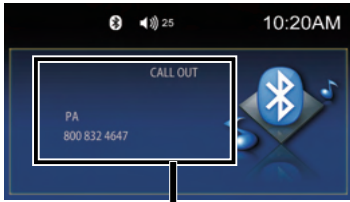


- 1 Current playback track ID3 information.
- 2 Play /Pause status indicator.



# FUNCTIONS APPLICATION

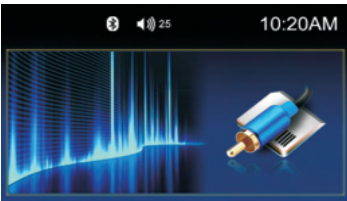
## Bluetooth Phone



1

1 Show Dials & Receives Calls Logs.

## AUX IN



The Audio source with RCA cable can through the source unit to play the Audio.

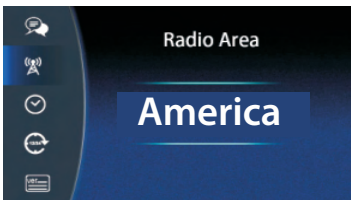
## Setting Menu

### Language



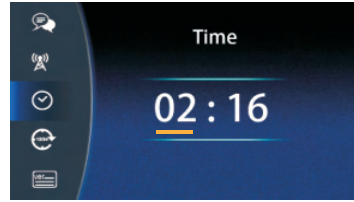
Rotate the Vol-button to select the desired language, press again to confirm.

### Radio Area



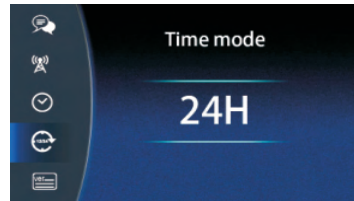
Rotate the Vol-button to select the desired Radio Area, press again to confirm.

## Time



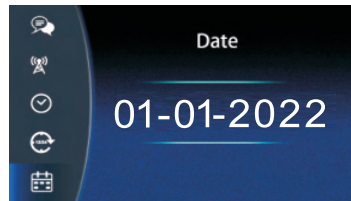
Press Vol-button to select the Hour / Minute, press again to active adjustment, then rotate Vol-Button to adjust time.

## Time Mode



Rotate the Vol-button to select 12H or 24H time format.

## Date



Press Vol-button to select the Month / date/Year, press again to active adjustment, then rotate Vol-Button to adjust date.

## PAL/NTSC



Rotate the Vol-button to select PAL or NTSC video format.

**LED Color**



Rotate the Vol-button to LED Color: AUTO, WHITE, PURPLE, CYAN, YELLOW, RED, BLUE, GREEN

**Steering wheel controls**



Make the cursor correspond to the function to be adjusted, then press the steering wheel button to highlight the button icon of the device. After learning in order, press Exit to complete the operation.

**Video warning**



Rotate the Vol-button to select Video warning is On or Off.

Note: When driving, watching video is forbidden.

**Factory Default**



Press the Vol-button, will display Pop-menu: Factory default. The rotate to select "Yes" or "No", press again to confirm.

**Version**



**Rear view camera**

To use a rear view camera, the REVERSE lead connection is required. For connecting a rear view camera.

**Displaying the picture from the rear view camera**

The rear view screen is displayed when you shift the gear to the reverse (R) position.



## COMMON TROUBLE-SHOOTING

Problem	Cause	Correct action
Cannot power on	Check fuse	Replace fuse
	Other factors causing MPU to malfunction	Press <b>RST</b> button on the panel by penpoint, then, power on
After ignition switch off, setting information are lost	Change battery or fuse	Reset information and save
Poor performance of radio station	Weak signal	Move the car to another place, then try again
No Picture/Image	Other factors causing MPU to malfunction	Press <b>RST</b> button on the panel by penpoint, then, power on
Cannot watch video during driving	Video viewing is not allowed during driving	Park the car in, put the car in "P" position, pull up the hand brake, parking brake wire must be grounded.
Screen show overcurrent caution	Once the USB current is overload the maximum limit, the headunit will protect by itself.	Please pull out the USB and restart the headunit
Bluetooth is not connected	Not connecting to the device	Make sure the device is within range. Device's Bluetooth connection needs to be turned ON. Go to Setting>GeneralSetting>BT > BT Connection>Power ON. Pair and connect the device like new.

### FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult your Power Acoustik dealer.

## LIMITED 90-DAY CONSUMER WARRANTY

## LIMITED ONE-YEAR CONSUMER WARRANTY WITH PURCHASE AND INSTALLATION BY A

## Power Acoustik AUTHORIZED DEALER

Power Acoustik promises to the original purchaser, to repair or replace this product with a new or refurbished unit (at Power Acoustik's sole and absolute discretion) should it prove to be defective in workmanship or material under normal use, for a period of one-year from the date of purchase from the Power Acoustik authorized dealer, PROVIDED the product was purchased and installed by a Power Acoustik authorized dealer. During this one-year period, there will be no charge for product repair or replacement, PROVIDE the unit is returned to Power Acoustik, return shipping pre-paid, along with the required proof of installation, the bill of sale or other dated proof of purchase, and the consumer's contact information.

If the unit is installed by anyone other than a Power Acoustik authorized dealer, the warranty period will be 90-days from the date of purchase. This warranty is non-transferable and does not apply to any unit that has been modified or used in a manner contrary to its intended purpose, and does not cover damage to the unit caused by installation or removal of the unit. During this 90-day period, there will be no charge for the repair or replacement PROVIDED the unit is returned to Power Acoustik, return shipping prepaid, along with the bill of sale or other dated proof of purchase and the consumer's contact information.

This warranty is void if the product has been damaged by accident or unreasonable use, neglect, improper service or other causes not arising out of defects in materials or construction. This warranty does not cover the elimination of externally generated static or noise, or the correction of antenna problems or weak reception, damage to speakers, accessories, electrical systems, cosmetic damage or damage due to negligence, misuse, failure to follow operating instructions, accidental spills or customer applied cleaners, damage due to environmental causes such as floods, airborne fallout, chemicals, salt, hail, lightening or extreme temperatures, damage due to accidents, road hazards, fire, theft, loss or vandalism, damage due to improper connection to equipment of another manufacturer, modification of existing equipment, or Product which has been opened or tampered for any reason. Units which are found to be damaged by abuse resulting in thermally damaged voice coils are not covered by this warranty but may be replaced at the absolute and sole discretion of Power Acoustik. Unit must be returned to Power Acoustik, postage pre-paid, with bill of sale or other dated proof of purchase bearing the following information: consumer's name, telephone number, and address, authorized dealer's name and address, and product description. Please contact Power Acoustik warranty office at **800-832-4647** or **repairs@poweracoustik.com** to obtain a Return Authorization number prior to shipping the product.

**Note:** This warranty does not cover labor costs for the removal and reinstallation of the unit. IN ORDER FOR THE ONE-YEAR WARRANTY TO BE VALID, YOUR UNIT MUST BE SHIPPED WITH PROOF OF INSTALLATION BY A POWER ACOUSTIK AUTHORIZED DEALER. ALL UNITS RECEIVED BY POWER ACOUSTIK FOR WARRANTY REPAIR WITHOUT PROOF OF POWER ACOUSTIK AUTHORIZED DEALER INSTALLATION AND PURCHASE WILL BE COVERED BY THE LIMITED 1 YEAR WARRANTY.

BY PURCHASING THIS PRODUCT, ALL WARRANTIES INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND WARRANTY OF NON-INFRINGEMENT OF INTELLECTUAL PROPERTY ARE EXPRESSLY EXCLUDED TO THE MAXIMUM EXTENT ALLOWED BY LAW, AND POWER ACOUSTIK NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY LIABILITY IN CONNECTION WITH THE SALE OF THE PRODUCT. POWER ACOUSTIK HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING ITS AUTHORIZED DEALERS OR INSTALLERS. BY PURCHASING THIS PRODUCT, THE CONSUMER AGREES AND CONSENTS THAT ALL DISPUTES BETWEEN THE CONSUMER AND POWER ACOUSTIK SHALL BE RESOLVED IN ACCORDANCE WITH CALIFORNIA LAWS IN LOS ANGELES COUNTY, CALIFORNIA. Some states do not allow limitation on how long an implied warranty lasts.

In such states, the limitation or exclusions of this Limited Warranty may not apply. Some states do not allow the exclusion or limitation of incidental or consequential damages. In such states, the exclusion or limitation of this Limited Warranty may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights which vary from state to state.

**General**

Power Supply .....	DC10~16Volts
Grounding System .....	Negative Ground
Current Drain.....	15A(Max.)
RMS Power Output.....	4x18w/channel
Speaker Impedance.....	4~8ohms per channel
Frequency Response.....	20Hz~20KHz
Operating Temperature .....	-20~+60 C
Dimensions .....	188mm(W)x140mm(D)x60mm(H)

**TFT Display**

TFT Screen size.....	4.3inch
Resolution.....	800x480 pixels

**FM Radio**

Frequency Range (USA).....	87.5~107.9MHz
Frequency Range (Europe) .....	87.5~108MHz
Usable Sensitivity (S/N=30dB).....	≤15dB
S/N Ratio.....	≥55dB
Stereo Separation.....	≥30dB

**AM**

Frequency Range (USA) .....	530~1710KHz
Frequency Range (Europe) .....	522~1620KHz
Usable Sensitivity(S/N=20dB) .....	≤40dB
S/N Ratio.....	≥45dB

**Line-Out**

Maximum Output Level (10K ohms load).....	≥2V RMS
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# **POWER ACOUSTIK®**

Headquarters

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Technical Support: (800) 832-4647.

Email: [tech-support@poweracoustik.com](mailto:tech-support@poweracoustik.com)



[www.PowerAcoustik.com](http://www.PowerAcoustik.com)