

CAR AUDIO

AM/FM Bluetooth DVD Player Navigation



Reminder

1. for your safety, please do not watch video programs or frequent operations in the process of driving, please turn down the volume as much as possible to avoid the impact of safe driving, and obey the traffic regulations.
2. Do not attempt to disassemble the machine to repair, if in the use of the process of failure, please shut off the power immediately and contact the company's sales department or dealers. This product is made of high precision electronic components Xu crossing, if the unauthorized removal or modification will lead to damage the
3. please treasure your products carefully, the dish mouth must be kept clean, Don't forced anything into the dish mouth.

1、Basic Button Operation

POW Button

Short press to power on/off.

MODE Button

Short press to choose the playing mode.

▶▶ Button

Under the radio mode, short press is auto search the stations forwardly, long press is manual search the stations forwardly. Under the music playing mode, short press is playing next song, long press is quick playing forwardly.

◀◀ Button

Under the radio mode, short press is auto search the stations backwardly, long press is manual search the stations backwardly. Under the music playing mode, short press is playing last song, long press is quick playing backwardly.

BAND Button

Under the radio mode, short press to choose band as follow: FM1-FM2-FM3-AM1-AM2. Long press to auto search the station.

Under music playing mode, short press to change to band function.

VOL-/VOL+ Button

Rotating to adjust the volume. Short press enter into SEL function.

☰ Button

Short press to open the screen, then separated into 3 times short press to adjust the position as like.

☷ Button

Short press to close the screen, then separated into 3 times short press to adjust the position as like.

☞ Button

Short press to detach the front panel and close the screen meanwhile.

⬆ Button

Short press to auto take out the disc.

2、Instructions for

一、The main interface



Return button. When user presses it, return to the operating mode.



Theme style change button. When user presses it, you can select different style and background.



Short cut setting menu button. When user in any interface presses it, it will show the menu. Details please review below.



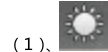
Mute button. When user presses it, you could select mute on or off.



Bluetooth button
When Bluetooth is connected to the cell phone, this icon will be showed.
It will change to Blue Tooth mode at any interface, when you press it.



Screen brightness adjustment button. 5 models totally



(1). Day model, just be showed the brightest.



(2). Dusk model, will be showed darker than the above one.



(3). Evening model will be showed darker than the above one.



(4). The user model, user can adjust screen brightness, setting instruction and backlight brightness instruction,

(5). Screen off model. the screen brightness is off in this model, when you touch any part of screen, it can return to the day model.



(6). LL model, when ILL message input, user can adjust the screen brightness. Details please review below.



Disc control button. When user presses it, you can control the disc in and out.



Display area of date, week and time.








Above for the user mode select keys. Users can be left or right after clicking select different mode.

Radio model: click and enter radio interface, details please review description as below.










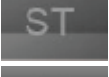

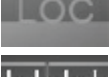

Disc mode: click and enter play interface, details please review description as below.

USB mode: click and enter play interface, details please review description as below.
SD card mode: click and enter play interface, details please review description as below.
External audio and video input mode: click and enter External audio and video I nterface, details please review description as below.
Television mode: click and enter TV interface (optional)
Bluetooth telephone mode: click and enter Bluetooth interface, details please review description as below.
IPOD play mode: click and enter IPOD interface (optional)
GPS navigation mode: click and enter GPS interface
System setting mode: click and enter setting interface, details description as below.

2、Radio interface

- (1) .  HOME knob: return to main interface.
- (2) .  Off screen knob: off screen display, you can touch any position to show recover after the screen off.
- (3) . Radio frequency information display area
- (4) .  Radio memory frequency information display area, Click the area to switch between different frequency points.
(18 FM stations, 12 FM stations.)
- (5) . Radio state display area
- (6) . Radio control selection button. Users can left and right click to select different functions
-  Scan backward: after clicking frequency will automatic scan to the decrease direction, when come across the broadcasting station, it will stop scanning.
-  Backward adjustment: Click the frequency to trimming a step length from the direction of backward.



		Band switch: click the radio jump to the next band.
	Forward adjustment: the direction of the increase in the frequency of a step forward in the direction of the	
	Forward scan: the frequency of the increase in the direction of the increase in the direction of automatic scanning, when the station stopped scanning	
	Radio frequency memory activation region, after sliding up and down click the area to Change between different frequency points. (18 FM stations, 12 FM stations.)	
	Radio frequency memory activation region	
	Automatic frequency scan: jump to scan the end of the radio after click the radio and save the scanned station	
	Save frequency view: after clicking radio will scan the frequency saved, signal broadcasting station will stop 5 seconds to radio, click again to cancel scan.	
	Stereo switch: when listening to FM, click can convert stereo / mono.	
	Stereo switch indicator: The current state is a stereo state.	
	Far away / proximity switch: when listening to FM, click can convert Far away / proximity	
	Far away / proximity switch state indicator: show proximity.	
	Radio frequency needle. Can drag to the specified radio frequency. When you don't operate the radio in 5 seconds, the radio interface will automatic hidden title and menu control (for example, radio interface two). Click the blank area to recover the original display.	

3、Display interface (disc、USB、SD)



The contents of the current play CD, click to return to the main interface.



USB icon: the contents of the current play U disk, click to return to the main interface.



Short cut setting menu button. When user in any interface presses it, it will show the menu. Details please review below.



Off screen knob: off screen display, you can touch any position to show recover after the screen off.

Users can drag the function block below, and then click on the choice of different functions.



Last song: when playing, press the last song; you can jump to last song playing.



Next song: when playing, press the next song; you can jump to the next song playing.



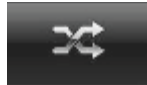
Play / pause: when playing, press the play / pause button to pause or start playing.



Stop: when playing, press on stop knob, play will stop.



Repeat: setting player file playback mode. The machine will provide a number of repeat options when playing different media. (For example, repeat single, repeat single chapter, all repeat and so on)



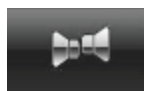
Random: Set the playback file random play mode, press can set the random on / off.



Angle: when play DVD angle, press this knob, you can select the angel control.



Enlarge or reduce: when play video, press this knob, you can select the current video enlarge or reduce.



Sound channel: when play, press this knob, you can switch between different channels.



Sub label: When DVD plays, press this knob, can switch between different language subtitles.



Menu/ PBC: when DVD disc plays, press this knob to return the menu play; when VCD disc plays, press this knob to select PBC plays.



Keyboard switch: press this knob to open a digital keyboard or direction control keyboard to enter the input. When select keyboard switch, will convert digital keyboard and keyboard control direction selection. (For example, play interface Two and Three.)



Enter the menu play state, you can drag the progress bar to achieve the fast forward and rewind function. When in the playing state, click the screen at any position can show the play information and functions keys. Not operate in

5 seconds, the play information and function keys will disappear.

Enter normal play state

When choosing the keyboard switch. It will convert digital keyboard and key board selection direction (Like two or three player interface)

Numbers keyboard input. Clicking the number 0-9 to select the number of songs and input, Click OK to play

4、 External signal input (AUX) interface



Its display video when input the video signal

5、 Analog TV interface












TV control function



The contents of current play TV, click to return the main interface







Quick settings menu button. When the user presses at any interface, the menu will be displayed. Quick setting menu. (more details, please check Quick setting menu)

	Close the screen button: close the screen display; the screen will be recovery display. After the click any position of display. Users can drag the bottom of the Function block, clicking to choose the different functions.
	Backward the next step in the following: press this button, the TV station frequency is backward, reduce one step frequency, used in search.Radio signal quality adjustment.
	Search the next station: press this button, the TV will be automatically backward search, search a station signal will stop
	Jump to next station: press this button, the TV will jump to the next saved station.
	Jump to the previous station: press this button, the TV will jump to the previous saved radio.
	Search the previous station: press this button, The TV will automatically forward search; search a station signal to stop.
	To trim the previous step: press this button, the TV station frequency will forward, increase the frequency of one step, used in Adjust the signal quality after search the radio.
	Format conversion: press this button, TV will be Switching between in Seven medium format PAL-DK/PAL-I/PAL-BG/PAL-M/N/NTSC/SECAM-DK/SECAM-BG.
	Automatic station saving: press this button, the TV will come to the end of the radio scan, and save the scanted radio stations
	Signal station review: press this button, The TV will be view saving frequency point, the signal radio will be listening 5s. Click again to cancel the view.
	Keyboard switch: press this button to open the digital keyboard to input the station number. (See: TV interface (two))Digital keyboard input: click to choose the numbers 0-9 to input the selecting stations numbers, click OK to jump.

6、Bluetooth phone calling interface

Bluetooth dial-up interface

	Currently playing Bluetooth content, click to return the main interface
	Quick setting menu button. When the user presses at any interface, the Quick setting menu will be displayed. See quick setup menu for details.
	Off screen button: turn of the screen displayed, recovery the Screen display after the press the any position of the screen.
	Telephone control button: press to switch the Bluetooth dial-up interface.



Bluetooth music control buttons: press to switch the phone to Bluetooth music control interface.



Call log key: Press to switch Call recording interface



Contact key: Press to switch the address book interface



Link set key: review the connected Bluetooth device again.
Dial in the Bluetooth dial-up interface: using for the input.
Telephone control



Button Number 0: short press enter number "0", long press to enter number sign "+".



Button Number 1: press to enter number "1"



Button Number 2: press to enter number "2"



Button Number 3: press to enter number "3"



Button Number 4: press to enter number "4"



Button Number 5: press to enter number "5"



Button Number 6: press to enter number "6"



Button Number 7: press to enter number "7"



Button Number 8: press to enter number "8"



Button Number 9: press to enter number "9"



Button Number * : press to enter number "*" "



Button Number # : press to enter number "#"



Delete button: Click to delete the inputted number.



Phone Answer keys: click dialing after the phone number input complete; Click to answer the phone when the phone call in.



Hang up: you can hang up the phone when calling.

Bluetooth music interface



Bluetooth music Last song button: when the phone supports music play function, press can be controlled the Bluetooth Mobile playing last song



Bluetooth music play / pause button: when the mobile phone supports music playing function, press it can be controlled the Bluetooth mobile phone music player / pause songs play



Bluetooth music next song button: when the phone supports music play function, press it can be controlled the Bluetooth mobile phone play the next song.

Bluetooth calling record interface



Call out Record button: press this key, the display area will be display the numbers of cell phone call out.



Call in Record button: press this key, the display area will be display the number of cell phone call in



Not received called in record button: press this button, the screen will be display the mobile phone not received call in (call in not operation, the other side hang up Number.)
The middle display area: this display area will display the type number which selected by the user (incoming, outgoing, missed),
A screen can be displayed 4 days record, clicking the displayed number can be called.



Call records loading: folder in the call records (Call in record, call out record, missed call)



Under this button : It can be displayed 5 contacts name and numbers per page, using the location bar of the right side to select the required items but also can be key to page entry required



Bluetooth phone book search page
You can enter a contact phone number or phone number to fuzzy search.
By small keyboard

7、Settings interface

System settings interface

The setting feature selection bar: users can click to drag this feature bar, selecting the set of functions which need to be set up.



System settings














Sound settings



Display settings



Multimedia settings

	Bluetooth settings
	Date and time display settings
	Lighting setting
	Steering wheel setting
	Touch settings
	Factory mod setting
	System information
	The current setting state
	Screen off button, Close the screen display, point any position to recovery the screen display when the screen is off.
	Back button, press it can be return to the pervious functional setting screen
	System Settings feature selection: click on the system settings interface. As shown above, the upper and lower drag can be see the required set up project

- 1.Area setting bar: click to set the required area (e.g., Europe, America, Brazil, etc.). This settings main effect the radio frequency range and step
- 2.Language setting bar: click to set the system language (such as Chinese, ENGLISH, Indonesia, etc., XX)
- 3.Forward-looking switch: Click to enter the front camera selecting, if open when the closure of the visual system automatically transferred to the forward-looking display 5 seconds.
- 4.Instrument light detection settings: Click the item to switch on the instrument light detection; when the instrument light is detected, the keyboard lights and instrument lights will synchronize display
- 5.Brake switch: click the brake detection function to selects, if the system is playing video, it will automatically block the playing video, And prompts the user prohibit viewing the video information when driving.
- 6.Treble and bass control: click to switch the system Treble and bass output.
- 7.Button sound settings switch: click the button to switch the key tone; to define whether the sound is emitted when pressing.



Voice settings feature selection: Click to enter the system settings interface. As shown above, Up and down drag to see the project you need to set up

- 1.Sound settings
2. Surround settings

3. Voice settings

4. Loudness settings

1. Sound settings bar: Click this item to set the audio.

Audio settings are common to use: standard, custom, electronic, jazz, pop, rock, classical; each control point is 8 paces, include 60Hz, 150Hz, 400Hz, 1KHz, 3KHz, 7KHz, 15KHz, 20KHz

2. Surrounded settings bar: Here the following modes: No, music hall, church, soft, three-dimensional and live-site

3. The sound position bar: it can be set Front and back sounds balance, you can change the by the front and rear sliding bar, it also can be drag Red represents the point of the gold listening

4. Loudness switch: click to control the loudness of the sound, the system will enhance the sound loudness when open, which make it more penetration



Video settings: feature selection items: click to enter video settings interface.

Types totally are: standard, bright, soft, bright, and customized
Adjustment the brightness, contrast, color: color, sharpness,



Brightness setting button: Click to enter the brightness settings option



Contrast settings button: Click to enter the contrast settings options



Tone setting button: Click to enter the contrast setting options



Chrome settings button: Click to enter the chrome settings option



Sharpness setting button: Click to enter the clarity settings option

Video settings drag: when the user selects all setting items (brightness, contrast, hue, color, clarity), Touch or move the drag bar to set the size of the selected item.



Multimedia settings (mainly DVD and other media player settings)



Screen off button: screen display closed. When you close the screen, click anywhere on the screen to recovery display



Back button, Press it to return the previous functional screen

Audio language: Chinese, English, Japanese, French, Spanish, Portuguese, Latin, German

Subtitles language: Chinese, English, Japanese, French, Spanish, Portuguese, Latin, German, off

Menu language: Chinese, English, Japanese, French, Spanish, Portuguese, Latin, German, close

Change Password: child lock password

Level: not suitable for children to watch, suggesting the parents audience to watch, , not suitable for children under age of 13 years.
Watch, recommended limit the age of 17 years young people to watch, guidance for under the 17 years old to watch, not suitable for the age of Under 17 years old young people to watch, for adults to watch.
Picture size: 4:3 proportion of cutting mode, 16:9widescreen mode, box model



Bluetooth settings



Screen off button: screen display closed, When you close the screen, click anywhere on the screen to recovery display



Back button, Press it to return the previous function screen

Main functions:

The button of Bluetooth is enabled and disabled.

Bluetooth Name: native Bluetooth device name

Pairing password: the default codes is 0000

Automatic connection: when enter the car with paired a mobile phone, the initiative to start a connection or not active connection

Automatic telephone answering: but whether automatic answering when call in.

Automatically load the call record: whether loading the phone's call log into the machine when first connect.

Automatically load the phone book: whether loading the phone book to this machine when first time connect the phone

Call volume:

All of the above is the switch except the pairing password is input



Date time display settings



Screen off button: screen display closed, When you close the screen, click anywhere on the screen to recovery display



Back key, Press it to return the previous function screen

Time display settings: click to enter time settings interface, this interface has three options:

Date display mode: month, year, month, day, sun and moon

Time according to the display mode: 12 hours /24 hours system

Adjustment: as following picture

Up Adjust: Click up to adjust the corresponding item time or date

Down Adjust: Click down to adjust the corresponding item time or date



The backlight brightness function Set selection: click this item to enter the backlight brightness settings interface.
Backlight adjustment, colorful lights, automatic cycle time



Screen off button: screen display closed, When you close the screen, click anywhere on the screen to recovery display



Back button, Press it to return the previous function screen

Backlight adjustment:



The brightness setting drag bar: when the user selects the ILL is open, touch or move the drag strip bar can be set up the ILL brightness

User mode drag setting bar: when the display backlight is set into the user mode, touch or move the drag bar can be set the brightness

Colorful light:

There are three modes: automatic mode, after opening, according to the fixed number of colorful exhibit of lanterns sequence and parameter setting of interval cycle (15s/30s/45s/60s)

Monochrome mode, open the rear parameter is set to the color option (seven color selection).

Manual mode, after opening, the parameter is set to three colors to adjust the ratio of 255*255*255 color

Parameter settings (with the change of the mode of colorful lights)



Screen off button: screen display closed, When you close the screen, click anywhere on the screen to recovery display



Back button, Press it to return the previous function screen



Steering wheel setting

There are two options: whether open the steering wheel control function.

The steering wheel buttons setting select items, click to enter the steering wheel buttons Set interface



Track increase button learning: press and hold the learn function of the steering wheel buttons, click the track increase button,After learning, the corresponding learning frame gray will marked success in learning symbols ("√").













Volume adding button learning: press and hold this learning function of the steering wheel buttons, click the volume plus button After learning, the corresponding learning frame gray will marked success in learning symbols ("√"). This key is used to control the volume increase adjustment function.



Mode learning button: press and hold this learning function of the steering wheel buttons, click the mode button, After learning, the corresponding learning frame gray will marked success in learning symbols ("√"). This key is used to control conversion of the current play mode (radio, CD, USB, SD) function



Track reduces key learning: press and hold the learn function of the steering wheel buttons, click the track reduce button,After learning, the corresponding learning frame gray will marked success in learning symbols ("√"). This button used for play and control, radio and television - scanning function.

	Volume reduction button learning: press and hold this learning function of the steering wheel buttons, click the volume reduction button After learning, the corresponding learning frame gray will marked success in learning symbols ("√")This button is used to control the volume reduce adjustment function.
	Mute learning button, press and hold this learning function of the steering wheel buttons, click the Mute button After learning, the corresponding learning frame gray will marked success in learning symbols ("√")This button is used for converting mute switch function
	Phone call receiving button learning , press and hold this learning function of the steering wheel buttons, click the Phone call receiving buttonAfter learning, the corresponding learning frame gray will marked success in learning symbols ("√")This button is used to the phone call receive and relevant operate functions.
	Phone hand up learning button, press and hold this learning function of the steering wheel buttons, click the Phone hand up button After learning, the corresponding learning frame gray will marked success in learning symbols ("√")This button is used to the phone hang up related operate functions.
	Power (open and close) learning button, press and hold this learning function of the steering wheel buttons, click the power button After learning, the corresponding learning frame gray will marked success in learning symbols ("√")This button is used for operating system switch function.
	The complete Learning key: Click the button when all the features are completed, save the results of the study
	The give up button learning: when you want to learn again or know the error of learning, click the give up learning key System will give up all learning key memory. All keys will be learning again
	Touch correction settings feature select Items: click the item to enter the touch correctly confirmation interface
	Screen off button: screen display closed, When you close the screen, click anywhere on the screen to recovery display
	Back button, Press it to return the previous function screen

Touch correction interface

Touch calibration: the first touch calibration spot, when the correction cursor in this position clicking this spot.

Touch calibration: The second touch calibration spot, when the correction cursor in this position clicking this spot.

Touch calibration: The third touch calibration spot, when the correction cursor in this position clicking this spot.

Touch calibration: The fourth touch calibration spot, when the correction cursor in this position clicking this spot.

Touch calibration: The fifth touch calibration spot, when the correction cursor in this position clicking this spot.

Returns to the touch correction confirm interface If it's correct; returns to the first touch touch correction calibration if it is touch correction.

Touch confirmation button: Click to confirm complete touch correction, click to give up the correction.



Factory debug settings feature select Items: click this item to confirmation
Main menu only have: Change the Password (enter old password and then enter new password again)
Factory's default values adjusting (see below).
System default language changing: set the default area of the system
System default locale changing: setting system default area;
External input functions switch: external switch input function;
Bluetooth phone functions switch: system Bluetooth phone switch;
TV function switch: system TV function switch;
GPS function switch: system GPS functions switch;
IPOD function switch: system IPOD function switch;
MHL function switch: system MHL function switch;
Boot password function switch, Boot password function switch
Change Password: change the password into the factory settings, click enter the password input interface to re set the new password.



System version information option: click this item to enter the system version information interface.

8、Fast setting



Quickly setting menu button, click the button to enter the fast setting menu:

The first time pressing display is as follows, if there is no any operation, then automatically disappear after 5S.



There are two areas in this picture:



Here is the feature selection area



Here is the adjustment area

The following is a description of the function as the following: speaker / sound (custom, electronic, jazz, and pop, rock and roll, Classical) / loudness (ON/OFF) / (treble, tenor, bass equalizer) / voice / display position (brightness, contrastDegree, tone, color, clarity)



Speaker volume control: you can slide the volume regulation and also use the volume control key to operation



Audio control: you can click to select, standards, custom, electronic, jazz, pop, rock, classical sound mode



Loudness control switch: click the loudness of sound control, if open, system will enhance the sound loudness, make more penetration



Equalizer: used for the adjusting sound output.



Display state adjustment: with the choice of brightness adjustment, contrast, hue, color, clarity of the parameters, to achieve the best display effect



The sound field of the parallel adjustment: adjust the sound of the best sound listening position

3. Technical parameters

Tuner Part:

AM Frequency Range-----522KHz-1620KHz

Intermediate frequency-----450KHz

FM Frequency Range-----87.5MHz-108MHz

Intermediate frequency-----10.7MHz

Signal to noise ratio (S/N)----- $\geq 50\text{dB}$

Play Part:

signal to noise ratio (S/N)----- $\geq 50\text{dB}$

Channel Separation (1 KHZ)----- $\geq 50\text{dB}$

Voltage Harmonic Distortion----- $\leq 5\%$

Frequency Response-----100Hz-10kHz(+6dB)

Amplifier Part:

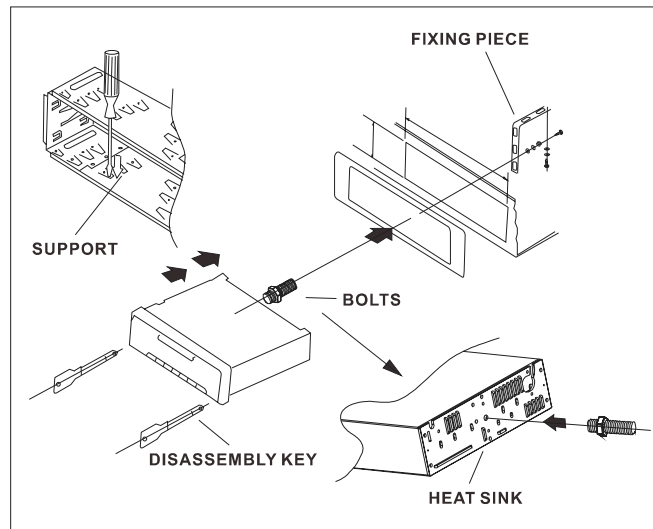
Out put-----speaker out put

Speaker Impedenc-----4 Ω -8 Ω

Power source-----12VDC car battery
(the negative pole connect ground, see on the unit in detail)

4、 Installation Diagram

1. Before install the main unit, please place the main unit at desired position, connect the speaker wire and power wire for test use.
2. After the working effect of the main unit is ideal, fix the main unit.



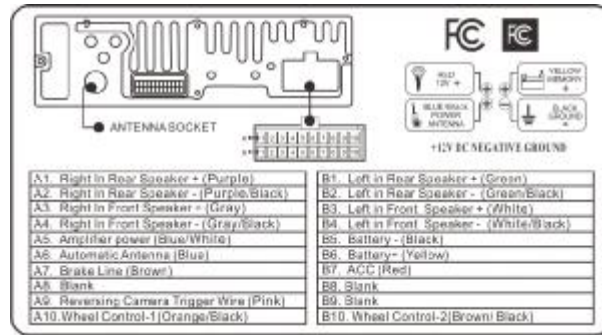
• Install the main unit

1. Install the support on the instrument panel of the car, bend the clamp of the support.
2. Connect the power wire and speaker wire, fix the fixing piece on the car.
3. Insert the antenna plug, push the main unit into the support, tighten the fixing nut of the fixing piece.

• Disassemble the main unit

Insert two disassembly keys into the left and right gap, make the keys hook the main unit, pull out it to remove the main unit from the support, then disassemble the connection wire and unplug the antenna plug.

5、Wiring Diagram



6、Trouble and solution

Fault	Reasons	Solutions
LCD doesn't display	1.Yellow wire is not connected with battery+. 2.Fuse of red wire is open. 3.The panel connector is dirty.	1 .Assure yellow wire is connected with battery+. 2. Replace fuse. 3. Clean the panel connector with absolute alcohol.
No sound	1.No power supply 2.Speaker wire is open circuit 3.SD/MMC card, U disk don't have song with corresponding format. 4.SD/MMC card, U disk golden finger is dirt which causes bad contact.	1. Connect the power wire 2. Connect speaker wire. 3. Check the contents of SD/MMC card, U disk. 4. Clean with absolute alcohol.
Low sound (not clear)	1.Power nternal resistance is high. 2.Antenna is bad contact.	Replace the power supply Tighten the antenna plug.
Mono track	1.One channel of speaker wire is open circuit. 2.Amplifier integrated circuit is damaged.	Connect speaker wire Replace the IC of amplifier.
System down	Power supplier not stable	Long press the reset button

Note: Technical data is subject to change without prior notice.

FCC Caution:

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.

Any Changes or modifications 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 the dealer or an experienced radio/TV technician for help.