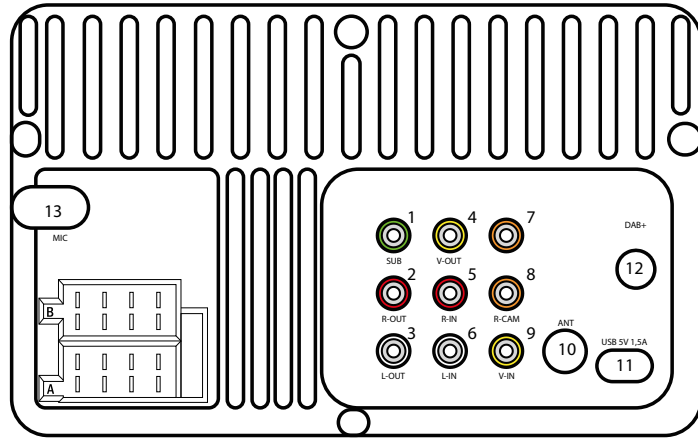


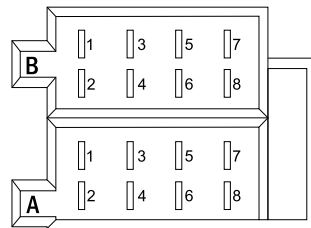
CALIBER



RMD 803DAB-BT CONNECTION DIAGRAM



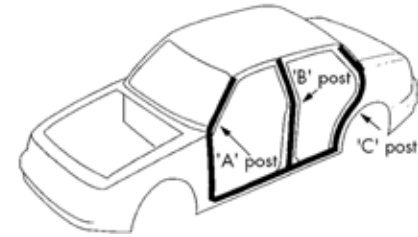
- 1 SUB-OUT
- 2 RIGHT-OUT
- 3 LEFT-OUT
- 4 VIDEO-OUT
- 5 AUX-AUDIO-R-IN
- 6 AUX-AUDIO-L-IN
- 7 N/A
- 8 REAR-CAM-IN
- 9 AUX-VIDEO-IN
- 10 RADIO-Antenna
- 11 USB 5VDC 1,5A (Charge output only)
- 12 DAB
- 13 MIC-IN



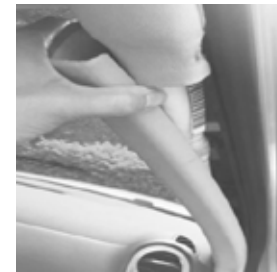
ISO SPEAKER CONNECTION

- | CONNECTOR A | CONNECTOR B |
|----------------|----------------------------|
| 1. BRAKING | 1. REAR RIGHT SPEAKER (+) |
| 2. REAR CAMERA | 2. REAR RIGHT SPEAKER (-) |
| 3. N/A | 3. FRONT RIGHT SPEAKER (+) |
| 4. BATTERY + | 4. FRONT RIGHT SPEAKER (-) |
| 5. AUTO ANT | 5. FRONT LEFT SPEAKER (+) |
| 6. ILL | 6. FRONT LEFT SPEAKER (-) |
| 7. ACC+12V | 7. REAR LEFT SPEAKER (+) |
| 8. GND | 8. REAR LEFT SPEAKER (-) |

DAB ANTENNA INSTALLATION



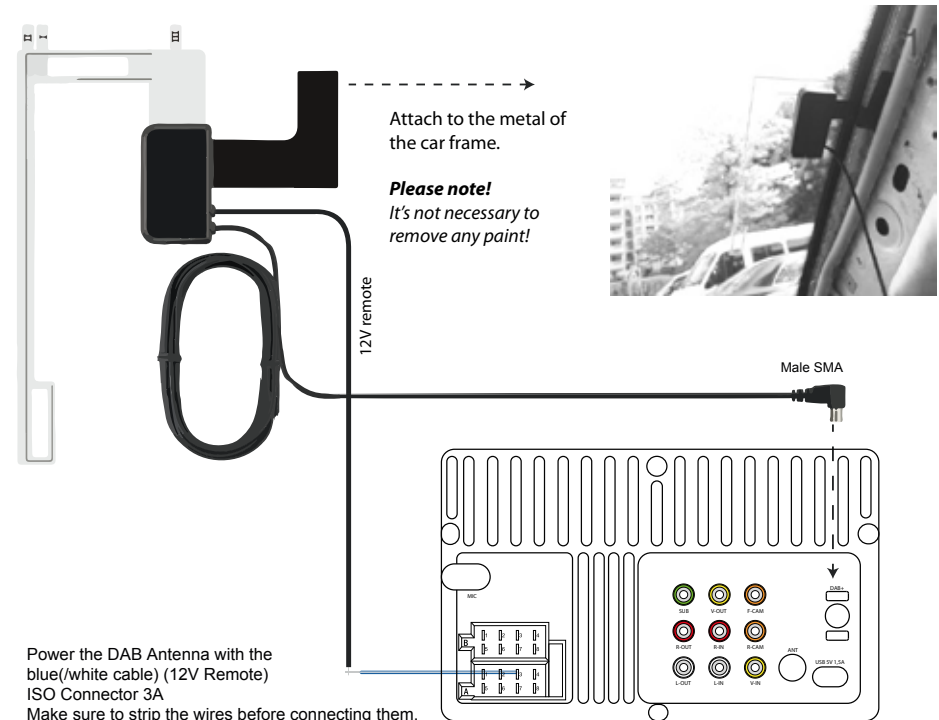
Place the antenna on the windshield near the 'A' post'



Remove the cover of the A-post



Stick the transparent part of the antenna on the windshield and put the black part on the metal frame.



Contents

1. Notes on installation	1
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1. Notes On Installation

The unit is designed for 12V DC negative ground operation system only. Before installing the unit, make sure your vehicle is connected to DC12V negative ground electrical system.

The negative battery terminal must be disconnected before making connections, which can decrease the chance of damaging the unit due to short circuit.

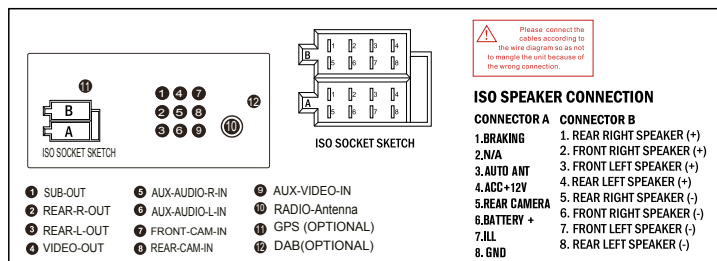
Be sure to connect the color coded leads correctly according to the diagram. Incorrect connection may cause the unit malfunction or damage the vehicle's electrical system.

Be sure to connect the speaker (-) leads to the speaker (-) terminal. Do not connect the left and right channel speaker cables to each other or to the vehicle body.

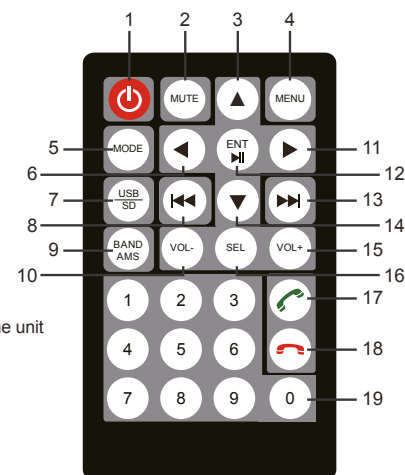
Do not block vent or radiator panel. Blocking them will cause heat build up inside and may result in fire.

After the completion of the installation and begin to play the unit (including replacing the battery), please press the RESET button on the front panel with pointed objects (such as ball-point pen) to set the unit to initial status.

2. Wiring Diagram



3. Remote Control Description



Basic Operations

Installing the lithium coin battery (CR2025)

- Aim the remote control directly at the remote sensor on the unit
- DO NOT expose the remote sensor to strong light (direct sunlight or artificial light)
- WARNING: To prevent accidents and damage
- DO NOT install any battery other than CR2025 or its equivalent
- Store the battery in a safe place where children cannot reach
- DO NOT charge, decompose, heat up the battery or dispose it in a fire.
- DO NOT poke or pierce the battery with tweezers or similar tools.
- Wrap the battery with tape for insulation when throwing it away for keeping it for future use.

- | | |
|---------------------|----------------------------|
| 1. Power switch | 11. Left |
| 2. Mute | 12. Confirm / Play / Pause |
| 3. Up | 13. Next song |
| 4. Menu | 14. Under the |
| 5. Mode switch | 15. Volume - |
| 6. Right | 16. Choice |
| 7. USB / SD | 17. Answer the phone |
| 8. Last song | 18. Hang up |
| 9. Band / Automatic | 19. Digital key |
| 10. Volume + | |

4. BASIC OPERATION

(1) Turn on/off the Host Unit

a) Turn on

If you plug out the car key to turn off the unit last time, insert the key again, and the unit will be turned on automatically.


If you press the PWR (power) button on the panel to turn off the unit last time, press the power button slightly again to turn on the unit.

b) Turn off

Pull out the car key, and the system will recognize the information to turn off the unit. Press and hold the PWR (power) button for more than 3s, and the system will turn off automatically.

(2) Enter system main interface


After startup of the system, operating mode before power-off is the default of the machine. For example, in the interface of radio mode,


touch icon  at top right corner to enter the system main interface.

After startup of the system, in any operating mode, press MENU button on panel to enter the system main interface as a shortcut.

The main interface is mainly composed of function mode icons. By touching the function icons, you may enter the corresponding operating mode.



Touch icon  to close screen display, but touching the screen in screen-off state may restore display.

Touch icon  to switch twelve different background images preset by the system.



Note



If touch the above-mentioned icon slightly, and "No Device" will be indicated, which represents no connection between the device and the host unit at present.

5. INTRODUCTION TO MAIN INTERFACE FUNCTION ICONS


	Enter radio mode, listen to FM/AM whole wave band broadcasting program.		Enter bluetooth interface connect bluetooth mobile phone to achieve handsfree talk function.
	Enter system setup interface.		Only connected to the phone can be used.
	Enter USB play mode (It is valid when the main unit is connected with USB device).		DAB radio.
	AUX play mode (External input audio, video signal).		Enter SD card play mode (It is valid when the main unit is equipped with multimedia play card slot).
	Multiple preset EQ JAZZ/ROCK/POP/CLASSIC.		Turn off screen display, touch the screen for returning to display.
	Change the background image of the main interface of the system (select the preset background image).		Function shortcut icon  /  on the radio state can switch the upper and lower program frequencies, when play can switch to previous and next song. ⏸ pause / play.
	Display date and time information.		

6. RADIO FUNCTION OPERATION

(1) Enter/Exit


- In the system main interface, touch icon  to enter radio interface.
- Touch icon  at top right corner of the radio interface to return to the system main interface and touch other function icons to exit from the radio mode.

Automatic searching stations



- In the radio mode, press and hold icon  to activate Auto-search status, the system will automatically save the channels according to the radio frequency once found.
- Touch the same icon again to stop searching when in searching process.



Notice:


- Before searching stations, you may touch icon  to select long or short distance searching. When "LOC" is displayed on the screen, only the local radio stations with strong signal can be searched; when "LOC" is hidden, long and short distance radio station searching can be synchronously searched.
- FM wave band can store 18 radio stations (FM1/2/3), and AM wave band can store 12 radio stations (AM1/2).

(2) Semi-automatic station searching and saving




- In the radio interface, press and hold (minimum 2 seconds) icon  /  to enter low frequency band / high frequency band semi-automatic searching state.
- When a radio station is reached, it automatically locks up. At this time, press and hold any button frequency icon below to save the radio frequency.
- Touch this icon to step forward 0.05 MHz for FM waveband and 9KHz for AM waveband.



(3) Wave band selection


In the radio interface, touch icon  to switch over among the wave bands of FM1, FM2, FM3, AM1 and AM2 in circulation.

(4) Select station to play

- Touch frequency icon  to select the corresponding radio station to listen to.
- When listening to FM wave band, touch icon  to select stereo or single track broadcasting.
- Touch icon  to enter audio setting interface.



Note

- When listening to AM wave band, stereo function operation is invalid.
- In AM wave band, LOC function setup is invalid.
- During searching radio stations, TUNE button on the panel can be used for adjusting frequency steadily.
- When selecting radio stations, if to touch the frequency icon for delay over 3 seconds, the system will only perform saving function.
- Touch icon  to enter each radio Station playing for 5 seconds in a browsing state, touch it again to recover normal broadcasting.





7. USB FUNCTION OPERATION

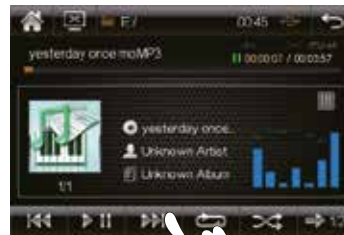
The item supports USB, the USB must be correctly connected before use, the system will switch-over to USB play mode automatically.

(1) Insert/Eject USB device

- Insert the U disk with multimedia folders in the USB interface through USB data lines or directly.
- When it is needed to eject the U disk, exit the USB play mode first and eject the U disk.

(2) Play interface operation

- Touch the icon  to enter USB play interface at the system main interface.
- System would first read supported media files in USB device. If there are media files of several different forms, it would enter music play.
- When playing music, it would enter music player interface. Use touch icon for more play controls.
- When playing music, ID3 and playing state of current music would be displayed in the middle of screen.
- Touch icon  to return to playing list. On the left it's file list and on right it is current file list.
- Touch icon  to page up and down. Touch the file name and listed music name to play.
- For detail instructions of several forms of media files, please refer to introductions of "DVD function operation".
- To exit USB player, touch icon  to return to system main interface. Then select other audio and video player.




8. SD CARD FUNCTION OPERATION

When the main unit is equipped with slot for multimedia storage card, this operation is available.






(1) Insert/Take out SD card

- Insert the SD card, with media information into the SD card slot directly until the card is locked.
- For taking out the SD card, exit from SD card playing status first, and then press the SD card slightly to cancel the locking status of the SD card and eject the card automatically.

(2) Enter to SD Card Playing Mode

- In the system main interface, touch icon  to enter SD card play interface.
- The system firstly reads the supported media document in the storage card.
- When there are various types of media document in the card, it will take the priority to enter music play state, as shown in the picture below.



- In playing state, touch icon  to return to list interface.
- Touch icon  /  /  to switch displaying files of different types and touch file name to start playing.
- If it is needed to exit SD play mode, touch icon  to return the system main interface, and then enter other play mode.



Note



- Due to the limit of screen resolution and compatibility of the video file format, some video files do not play well. You can transfer the files with formats compatible with the equipment.
- If the type of storage card does not match card slot of the main unit or there is no a SD card slot in the main unit, it can be connected to the USB port of the equipment to be played with a card reader and USB cable.

9. AUX FUNCTION OPERATION


The machine supports external video signal and input of two-way stereo audio signals.

When the vehicle has other multimedia equipment, the audio and video output signal can be connected to the audio and video input port.

(1) Enter/Exit

- In the system main interface, touch icon  to enter AUX(external audio/video)mode.
- Touch the top right corner of the screen to display the operation icons, touch icon  to return to the system main interface, and then touch other function icons to exit from AUX mode.

(2) Function operation

- In playing status, touch the screen and the invisible operational icons will be displayed.
- Touch icon  to turn off screen display, touch the screen for returning to display.



- Touch icon  to exit the AUX mode to the system main interface



Note

If the system fails to detect external audio or video signal input, the screen will display the prompt. "No Video Signal"

10. MIRROR LINK DESCRIPTION

(1) Notes

- Support Android two way control, version to Android 10; iOS 13 Version and latest, Model under iPhone X
- The connection must be under the screen unlocked
- Android phone's Bluetooth must be connected, to have sound output.







(2) Connecting way

- Connect the phone data cable.
- Open the phone developer option interface and turn on USB debugging.
- Automatic into mirror link interface, like below picture, download app according to prompts



(3) Corresponding to the role of the icon



-  Exit the mirror link
-  Volume adjustment
-  Return to the mobile home page (iOS not support)
-  Return to the previous operation (iOS not support)
-  Screen saver
-  Horizontal screen (iOS not support)



11. BLUETOOTH FUNCTION OPERATION

The system provides Bluetooth hands free communication function. if your mobile phone is Bluetooth enabled, it can establish a point-to-point connection with the system, providing telephone dial up and call answering phonebook, Bluetooth music play functions.

Tips: As the Bluetooth modules and software of cell phones with different brands are different, some functions may be different or even not compatible with other systems in actual use please forgive us for this.















BT name:CAR-BT

(1) Enter/Exit

- In the system main interface, touch icon  to enter Bluetooth interface.
- Touch icon  to exit from Bluetooth interface.



(2) Touch menu function description




 Enter the dial up interface	 Dial and answer
 Enter the phonebook	 Hang up or reject the incoming call
 Download mobile contacts	 Enter Bluetooth music play interface
 Shut off or resume the sound	 Switch over talk to mobile phone or the car amplifier
 Enter Bluetooth setting interface	 Delete the wrong number entered
 Display the answered phone number record	 Display the missed phone number record
 Display the missed phone number record	 Display the dialed phone number record

(3) Paired connection and disconnecting connection

Before using Bluetooth function of the system, it is a must to make paired connection with Bluetooth mobile phone, and connection will be completed with the mobile phone.



- Activate the Bluetooth function of the mobile phone.
- Select the hands free option, when the mobile phone has searched the device, the name " CAR -BT" will be displayed, select the name and connect the device in light of the tips.
- The password" 0000" must be entered during the connecting process and press" confirm".
- After this is done, "connected" will be displayed on the system screen.

(4) Dial a call

- In case of connection of the mobile phone with the system, you may touch numeric keys on the screen to enter telephone number.
- The entered characters are displayed in the number column, in case of a wrong entering, touch icon  for deletion one by one.
- When completing entering, touch icon  of green speaker to dial a call.
- During the phone call, touch icon  switch over the voice on the line between car sound and mobile phone.






(5) Answer a call



- In the state of Bluetooth connected, in case of call in, the system will automatically switch over to Bluetooth interface and play ring of the call in any mode, the phone call number will be displayed in the number column.
- Touch icon  or  to select answering the call or refusing the call.




(6) Telephone book

- Touch  icon to enter the phonebook.
-  download stored phone numbers in telephone directory book.
-  delete the wrong number entered.



- Touch icon  to download telephone directory book to the system , slide up and down the telephone list to page up and down.
 - When the user intends to make a phone call, touch and select the number in the phone list, and touch  icon.
 - In telephone directory book, quick search by initial word in small keyboard.
- Tips: This function could be used only after Bluetooth connection between phone and system.

(7) Play Bluetooth music

- In the main interface of Bluetooth, touch the icon  to enter the interface of playing Bluetooth music.
- If the connected mobile phone supports Bluetooth music play function, the audio played by the mobile phone can be transmitted to the car audio system for playing.
- In the state of connection of the equipment with Bluetooth, enable connection of mobile phone stereo and play music, at this time, audio signal of the mobile phone can be transmitted to the car audio system.
tips: Setup methods differ due to different mobile phones, the objective is to use this system as a Bluetooth earphone by setup, refer to the related instructions for detailed steps of setup.
- Touch five icons at left side of the screen to play music saved in the mobile phone.



- Exiting from Bluetooth play interface or closing music play function of the mobile phone will close the music play function of the Bluetooth.
Tips: 1.Only support Bluetooth mobile phone has "stereo player" or "telecontrol" function, which can operate music playing interface.
2.Music of the cell phone can be played only while in the Bluetooth music play interface.

12. DAB+ instructions

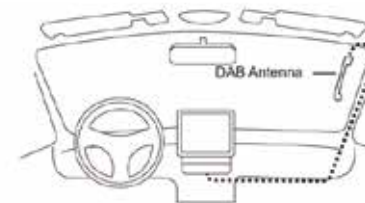
INSTALLATION OF DAB ANTENNA

For this operation, contact a professional installer.

- The DAB antenna supplied requires installation on the front windscreen in a vertical position (see figure).
- Clean the glass where you want to attach the antenna.
- Carefully remove the protective film from the adhesive on the antenna and place it in the chosen location. The antenna must be positioned so that the ground contact can be spread on the metal body of the car (it is not necessary to remove the paint).

- Position the cable (length 3 m) inside the car dashboard until you reach the position of the radio. Connect the cable with golden connector to the DAB antenna input on the rear of the car radio and secure it by screwing the connector.

If a second thinner black cable is present, it must be connected to the main power supply + 12V (key).



Caution:

- Do not install the antenna in a position that obstructs the driver's view.
- Do not place the cable and the antenna where they could interfere with the proper functioning of the AirBag or other safety devices or where they could impede the driving of the vehicle.
- The use on shielded glass reduces the antenna performance.



RADIO DAB OPERATIONS



13. SYSTEM SETUP

This section describes the system setup information, including general, audio, date & time, wallpaper and others.

(1) Enter exit

- Touch the icon  at the system main interface to enter system setting interface.
- Touch the icon  to exit the setting interface and return to system main interface.

(2) General settings

In the system setting interface, touch the icon  to enter the general settings interface.



a). Language(Language selection)

- 1). Set operating language of system through this function.
- 2). Touch xx icon to pop up the list of languages which are supported by system.
- 3). Touch language items to select the needed language in the system for operations.

b). Beep(Key-pressing tone)

If this option is enabled,you can hear click sound while operating

c). Key lights

When enter the key lights interface,you can choose the color you want.

d). Reversing mute(Mute when reversing vehicles)

Endble this option,and the system mutes when reversing vehicles.

e). Panel (Touch panel calibration)

Brightness

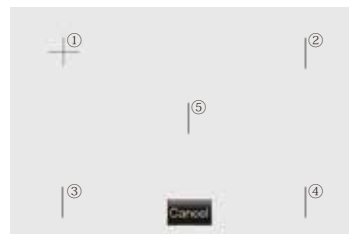
Set brightness of dimmer by sliding the icon

Touch panel calibration

- a). Use stylus click cross center,the order shall be the upper left,upper right,lower left,lower right,center of the panel to be calibrated.

- b). The calibration is completed.

- c). Touch icon  to exit.



Tips:The accuracy of coordinates clicked during calibration will affect the preciseness of touching panel.

f). Radio regional settings

Default area is "Europe" if it is used in territory of Europe.



g). Wallpaper

Touch in to can select a different background image.





j). System time & date settings

1). Year, month and day setting


Touch the icon  /  above and below the year, month and day display box to adjust the year, month and day respectively.


2). Hour, minute and second adjustment

Touch the icon  /  above and below the hour and minute display box to adjust the hour and minute respectively.



3). Time system

Touch icon  at the right side to set the time system as 12 hour system or 24 hour system.

Touch the icon  to save and exit the time & date setting interface.

k). About


Click to see the software version of the product
(If the customer requirements are different, the software used is different, the version is not the same).



(3) Audio setting

a). Sound field balance settings

In the sound setting interface, touch the icon  to switch to the sound field settings interface.

- 1). Gently hold the icon  in the seat center and slide forward, back, left and right to adjust the sound field balance, icon location is the center of the sound field, which can be adjusted according to the passenger's seat.



2). Bass

Slide the bass volume bar up and down to adjust the bass volume.

3). Treble

Slide the treble volume bar up and down to adjust the treble volume.

4). Loudness

When setting this option as on, the volume for the high frequency and low frequency will be increased when the volume is low, to make the loudness ratio for the low, middle and high frequency is equivalent to the loudness ratio for the high volume.

b). Surround settings

Touch Concert, Wide, Church, Live or Passive to select the default surround effect for the system.

(4) Video settings






a). Aspect ratio settings

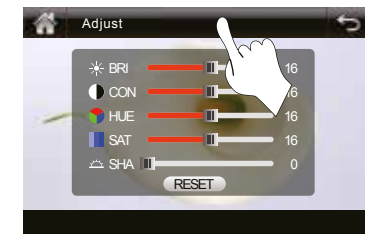
The default value is 16:9, in case of 4:3 PS options, the left and right margins of the picture will be cut while playing wide screen video, in case of 4:3LB options, there will be black mourning border on the top and the bottom while playing wide screen video.



b). Adjust settings

Touch icon  to enter video setting interface for setting display effect of video played.

-  : Brightness
-  : Contrast
-  : Hue
-  : Saturation
-  : Sharpness



1). Brightness

This is used to adjust the brightness of the pictures while playing the video.

2). Contrast

This is used to adjust the contrast of the pictures while playing the video.

3). Hue

This is used to adjust the hue of the pictures while playing the video.

4). Saturation

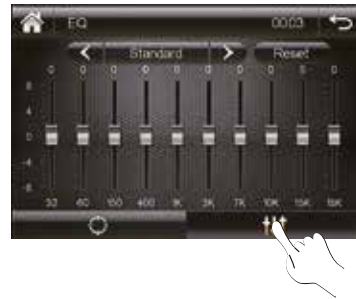
This is used to adjust the saturation of the pictures while playing the video.

5). Sharpness

This is used to adjust the sharpness of the pictures while playing the video.

Switch to audio settings interface

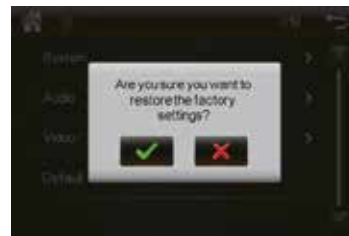
Switch to sound field b



(6) Default

a). When choose “√” the host restores the factory settings, will shut down and restart, when boot the host will restore the system default settings.

b). When choose “X” the host will cancel restore the system default settings.



DAT(.dat)	MPEG-1/MPEG-2	Dolby Digital(AC3) LPCM/MPEG-Audio (MP1/MP2/MP3)	720*480/576(30fps)
FLV(.flv)	H.264	LPCM/MP3 AAC-LC(2ch)	720*480/576 (30fps)
RMVB (.rm/.rmvb/.rmv/ra)	RV8/9/10	COOK AAC-LC(2ch) Dolby Digital(AC3)	1280*720 (30fps)
VOB(.vob)	MPEG-1/MPEG-2	Dolby Digital(AC3)	720*480/576 (30fps)
MP4/MOV (.mp4/.mov)	MP4V	Dolby Digital(AC3) WMA/LPCM AAC-LC(2ch) MPEG-Audio (MP1/MP2/MP3)	720*480/576 (30fps)
OGG Vorbis(.ogg)		OGG	
		WMA	WMA Only Support WMA7、WMA8、WMA9 (CBR,VBR) (Only Support 353)
	Audio	Bit Rate	Sampling Rate
	MP3	16kbps~320kbps	8K~48KHz
	WMA7、WMA8、WMA9 (only CBR、VBR) (Only Support 353 格式)	16kbps~320kbps	8K~48KHz

14. Audio/video support format list

This list only state that this unit support such kind of format, it doesn't state that all of the files can be supported, only for reference.

Container	Video Codec	Audio Codec	Resolution
AVI (.avi/.divx)	MP4V DIVX3.xx/4.xx/5.xx/6.xx Xvid MPEG-1	Dolby Digital(AC3) WMA/PCM/LPCM AAC-LC(2ch) MPEG-Audio (MP1/MP2/MP3)	720*480/576(30fps)
MPG (.mpg/.mpeg)	MPEG-1/MPEG-2	Dolby Digital(AC3) LPCM/MPEG-Audio (MP1/MP2/MP3)	720*480/576(30fps)

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