Welcome!

Thanks for buying our car audio-video navigator. We will sincerely provide you with excellent pre-sales/after-sales service.

For proper use, please read this Instruction and observe the following rules:

1. The navigator is grounded via +12V negative power source power and the use of it will be secure if the negative power source is connected to the metal casing of a car.
2. Do connect the speaker (-) lead wires to (one) terminal of the speaker. Don’t connect the speaker (-) lead wires to the car body for connecting all speakers one another. Don’t start up until all connections are correct.
3. Don’t put the remote controller in the place subject to high-temperature or direct-sunlight. It is possible for the remote controller to work abnormally in the direct-sunlight place.
4. Prior to replacement of burned-out fuse, please examine whether a machine has distinctive burn-out signs such as peculiar smell, smoke emission, etc. arising from burn out inside machine, if not, the fuse of the same specification can be replaced.
5. Don’t jam vent holes and cooling plates to avoid fire arising from bad heat emission of the machine.
6. Don’t install the navigator in the place that may divert attention of a driver.
7. Do start up the motor followed by the navigator, or the electric quantity of battery may be exhausted, thus causing the failure to start the car.
8. Don’t let the display screen exposed to direct sunlight.
9. Please be careful with the magnetic parts of the machine, and don’t put such magnetic products as credit card/cassette magnetic tape, watch near the machine, otherwise, such products may be damaged or information therein may be lost.
10. Don’t work under extremely high or low temperature, and please confirm whether the temperature ranges from +60 °C to -10 °C.
11. Don’t remodel the machine, or the accident may arise.
12. The machine only fits 12CM CD (unable to play 8CM CD).
13. Upon completion of installation, please use a small round tool to press the RES button once to initialize the system before using the machine (after replacing car battery).
Attention before Installation

⚠️ Please carefully read all the instructions before installation. It is suggested that the machine be installed by the professional car audio dealer.

⚠️ The machine is applicable to the vehicle 12V-power system (earth connection is required). Don't directly install the machine on the truck or the bus with 24V, otherwise, the machine may be damaged.

⚠️ Please use the copyrighted disc. Don't use the non-standard or poor-quality disc, otherwise, the machine fault may be caused or the service life may be affected.

⚠️ Don't replace the power fuse privately without the guidance of professional personnel. The improper use of the fuse may damage the machine trigger off fire alarm.

⚠️ To avoid breaking traffic rules, the driver may not watch the program or operate the machine when driving, to prevent the unnecessary traffic accident (except that passengers watch program through back display).

⚠️ For safety and proper use of the machine, please request professional personnel of dealer to install the machine. Don't remove or repair the machine randomly, to avoid damaging the machine or occurrence of accident. Please contact the local service center.

⚠️ The mechanical drive unit for display screen of the machine is adopted as the fully-automatic precise transmission components. Don't push, pull or rotate the machine, nor strike the TFT screen forcibly, to prevent the damage to product.

⚠️ Don't put the machine in a wet place or water to avoid electric shock arising from short circuit, unnecessary damage and occurrence of fire.

⚠️ Precaution: To avoid short circuit, do switch off the car and cut off the connection between ACC and B+ before installation.

Thank you for buying our high-quality car audio-video series of products. With the state-of-the-art micro-processing technique, TFT module, optimal design, advanced drive circuit and built-in anti-interference control circuit, the product features high resolution, bright color, vivid pictures, stable and dynamic display, fully catering to your visual experience. The display is with the functions of fully-automatic expansion, which can completely meet modern people's demand for the compact, precise and built-in products.

This machine features touch screen (the touch key can bring you the special feeling of concise and concise), panel control and remote operation. The picture in operation interface, which is formed through decoding chip, appears to be more beautiful and vivid. The design of full-touch multi-level menu can provide you the convenience brought by touch function and the audio-visual enjoyment brought by high-tech at any moment.

Additionally, this machine also owns the unique troubleshooting function. In other words, in case of any fault at any time in any place (excluding mechanical fault), once you've told the fault phenomenon to us, we can reprogram the corresponding fault phenomenon, send the downloaded resource to customer through network, upgrade the system and clear the fault through disc, USB interface and SD interface, and thus lower the repair rate. All the adjustment parameters have the fully-automatic memory, being able to recover the function automatically. The built-in

Functions of this machine include touch operation, radio, simulated TV, Bluetooth, DVD reading, SD interface, USB interface, JPD interface, reversing video input, AV external video input, video output, power amplifier, etc. As one of the product series, this product can be arranged with different accessories and functions according the demand of customer. To guarantee your vital interests, please check the package list of product according to the product model you bought. For the proper installation and use, please read the instruction in details.

Warranty

Warranty scope and period: The warranty period for entire machine is one year since sale date. (Note: The machine can be returned if there is any fault within one month. The warranty period for LCD screen and core mechanism is three months.) The warranty is not available for the machine fault caused by systemic fault (including reverse power connection, over-voltage or low-voltage current, etc.).
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Use and Maintenance of Video Disc

The machine only fits the following video discs:

<table>
<thead>
<tr>
<th>Category</th>
<th>Signal</th>
<th>Recorded Contents</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>DVD</td>
<td>🕼</td>
<td>Voice, image</td>
<td>12cm</td>
</tr>
<tr>
<td>VCD</td>
<td>🎭</td>
<td>Voice, image</td>
<td>12cm</td>
</tr>
<tr>
<td>CD</td>
<td>🎶</td>
<td>Voice</td>
<td>12cm</td>
</tr>
<tr>
<td>MP3</td>
<td>🎫</td>
<td>Voice</td>
<td>12cm</td>
</tr>
<tr>
<td>MP4</td>
<td>🎪</td>
<td>Voice, image</td>
<td>12cm</td>
</tr>
</tbody>
</table>

※ Features of DVD Discs

Different DVD discs contain different feature combinations, which is mainly caused by coding designers and manufacturers. The following icons indicate some features of DVD discs.

<table>
<thead>
<tr>
<th>Symbols</th>
<th>Meanings</th>
</tr>
</thead>
<tbody>
<tr>
<td>🎤</td>
<td>Indicate the number of sound paths recorded by video disc. One video disc can only record information of 8 audio paths at most.</td>
</tr>
<tr>
<td>🎨</td>
<td>Indicate multi-lingual captions available in discs.</td>
</tr>
<tr>
<td>🌍</td>
<td>Indicate the number of vision angles of images as shot (9 at most)</td>
</tr>
</tbody>
</table>

Remote Control Maintenance

Replace the remote controller lithium battery

In case the operation distance of the remote controller becomes shorter or it cannot work, please replace a new CR2025 lithium battery, and do recognize the specification and the polarity thereof during replacement.

1. Press the battery case, and take it out in the direction of arrow.
2. Put the battery battery in the battery case with the side "+" upward.
3. Insert the battery case into the remote controller, and bear a "Hinge" after the battery position is confirmed correct.

⚠️ Cautions:

--- Don't use a rechargeable battery.
--- Don’t put batteries into fire, because burning may result in explosion.
--- Don't use a metallic clipper to rip the battery.
--- Don’t take down battery or change the battery.
--- In case of leakage, please clean battery compartment, and then put a battery into it.
--- Please replace the new battery in case remote control is very close to or very hard to make the cliché.
--- Don’t expose remote controller or power direct sunbeams to infrared receiver lead to prevent shield/gate remote signal.
--- It will be optional if remote control is used 2m away from the machine and within 30° included angle.

Fuse Replacement

Do ensure the ampere of the used fuse compatible with that of the replaced one. In case of fuse broken, please check power connection and then replace fuse. In case of fuse broken after replacement, the reason may be internal fault. In this case, please contact the local dealer.

⚠️ Warning: Don’t use the fuse with rated ampere exceeding that of the fuse installed on the machine, or the machine may be damaged.
Basic Operations

Reset the machine (press RESET on the panel).
Prior to use of the system for the first time or upon replacement of the battery, do reset the machine and use
the menu to set the system to the initial state.

Note: In case the display is disorder on the display screen, press the RESET button to reset to the initial state.

Start up/shut down the Machine

On/Off button on the panel and the remote controller.
Press PWR button to start up the machine. Press the PWR button to shut down the machine. If the on-state lasts
long, press the PWR button to silence state. If long, press each button to shut down the machine. You can also
press the PWR button on the remote controller to start up/shut down the machine.

Video disc playing

The machine will switch to DVD mode automatically after the video disc is put into the port. If there is video disc in it, it can enter DVD mode only by clicking the disc player in the main menu. Then the system will read the disc
automatically. The disc will come out by pressing when playing.

Mode switch (panel MODE button and mode button on the remote controller)
Press this button to switch circularly:
Radio - Disc player (DVD) - External input - TV - Navigation - Bluetooth - iPod

It is in radio mode when it is electrified for the first time. (DISC mode can be switched when there is video disc in the host. The USB-SD switch is available under this connection).

Wave band setting: (BAND button on the panel of the host and the wave band button on the remote controller)
This button is wave band button when it is in radio mode. It circulates as follows:

FM1 -- FM2 -- FM3 -- AM2 -- AM1

Tune in radio: the system will tune to the radio frequency from the high (low) radio frequency automatically by long pressing the "DN" UP" icon on the radio interface.

Store radio frequency:
The machine can automatically scan radio frequency by long pressing the "Scanning" (automatic scan) button, store in the catalog of each radio frequency of each wave band and display the stored frequency of the radio. Select the radio frequency by pressing the catalog button of the frequency and number 1 to 6 on the remote controller.

Volume adjustment (panel VOL + button and the volume + and volume - on the remote controller)
Press VOL , then the volume is increased while VOL + is tuned down.
Mute functions (interface and "Mute" button)
The sound will be closed after pressing the mute button and it will display "mute opened" icon on the display screen at this time; by pressing it again, the sound is opened (mute cancelled).

USB playing
When USB is connected, press MODE or click main menu USB to access USB mode. The system will read USB information first, then scan songs, pictures and videos in USB. For detailed operations, please refer to page 9 (USB play)

GPS navigation functions
When the machine has GPS function, inserting the navigation SD card, clicking the navigation icon on the main interface or the MODE on the panel to switch to navigation mode, the machine will enter navigation state (by pressing the POWER button on the panel or the power button on the remote controller under the
non-rearview state, it can be directly switched to the navigation state, press again to return to the original state). For detailed operations, please refer to page 11.

Screen angle adjustment
The viewing screen angle can be adjusted up and down by clicking up and down icon 4 after entering setting menu under each mode. (For detailed operations, please refer to page 10!)

Main Menu

1. Radio mode
2. Disc play mode (when disc available in a deck)
3. External input
4. USB play (USB is connected)
5. SD play (USB is connected)
6. Basic System Menu Setting
7. TV function (optional)
8. Real-time navigation function (With this function, the machine is enabled)
9. Bluetooth mode

1. Radio
Click “Radio” or “MODE” in the main menu to select “RADIO” and get access to the following radio interface.

[1] Scanning
Press “scanning”, the system will scan the radio searched by the machine and stay there for a little while to audition; long pressing is automatically searching for radio and the system will search for radio in all channels. It will automatically store the broadcasting state whose signal is strong enough or accepting state is good into the channel catalogue of the broadcasting cast frequency.

Click “FM” “AM” on the picture to select different wave band, including "FM1/FM2/AM1/AM2".

[3] Mute functions
Click the "mute" icon on the interface and the mute button on the remote controller to open/close mute.

Press "VOL+ VOL-" on the panel or " " " on the interface to adjust the volume within "0 to 39".
[5] Select radio frequency/receive radio frequency
Directly click the radio frequency stored in the frequency catalogue on the interface
to receive this radio frequency, press "DN" "UP" button to slightly adjust the radio
frequency up/down, and automatically scan the radio from high (low) frequency by
long pressing.

[6] Sound effect set-up
Including: enharmonic (open/close), sound effect (close, rock/popular/classical),
dimensional sound (open/close), and far/close process (open/close).
Super bass (open/close)

[7] System process display shortcut key
(Video disc indicator) display whether there is disc in the machine at the
present state.
(Dimensional sound indicator) display whether radio that the machine received
has dimensional sound at present state.
(Bluetooth connection indicator) display connection of Bluetooth at present
state.

[8] Radio standard set-up
Click <Setup> button on the interface to enter the following menu:

Select <ENTER> to enter the following menu

Click <Audio> beside radio to choose standard of radio, including Russia, Europe,
America 1, America 2 and Japan.

[9] RDS (Selectable function)
If there is no RDS or RDS is closed, it is ineffectual.

[10] Back to main menu
Click <Main Menu> on the interface to return to main menu.

2. DVD Play
Caution: Please use standard genuine discs, keep the discs clean, and form the good habit of use to ensure
the normal service life of the machine. The machine is only compatible with IESC disc!

DVD Playing
After starting the machine and gently put DVD into disc entry, the disc can be sucked into the
machine, the system can automatically read the disc, the directory menu inside DVD can be
displayed on the screen, the user can directly select the options of the disc directory menu to
execute the execute such disc operations as play, language selection, sound selection, chapter,
etc.
The system will bounce out the play control menu by clicking the upper area at the center of the touch screen when playing disc, and then click again to close the play control menu. As follows:

1. Click to return to the main menu
2. Click to select the former one
3. Click to select the next one
4. Play/pause

5. Click play to stop
6. Retreat quickly (switch at 2, 4, 8, 16 and 20 times)
7. Forward fast (switch at 2, 4, 8, 16 and 20 times)
8. Page button
9. Volume up and down
10. Multifunctional button (sequence of click: VOL (volume) - BAS (bass) - TRE (treble) - BAL (left/right loudspeaker) - FAD (forward/back loudspeaker) adjust according to individual interests)
11. Turn up the volume
12. Letting down of the screen
13. Ascending of the screen
14. Menu play
15. Mute
16. Next page
17. Display information of the playing disc
18. Volume adjustment
19. Enharmonic
20. Repeat
21. Downward
22. Upward
23. Random
24. Next page
VCD Play

After gently putting DVD into disc entry, the disc can be loaded into the machine, and the system can automatically switch to the mode of VCD play. The system will bounce out the play control menu by clicking the upper area at the center of the touch screen when playing disc, and then click again to close the play control menu. As follows:

The function of the above menus is identical with that of play menu of DVD disc. PBC function acts on VCD2.0 disc only.

Note: The above functions can be performed via the corresponding keys of the remote controller.

3. AUX IN Play

AUX IN play can be enabled by connecting to the interfaces behind the machine: AUX audio frequency, AUX video input, play, alien tone and video source. All controls can be performed on the player of original sound and video source. Click the "AV Input" on the main menu or press the "MODE" button to enable the playing of alien tone and video source.

4. USB/Functions

When USB is connected, click the "USB" or press "MODE" button for selection to access USB/SD play.

Browsing songs, pictures and videos stored on the USB is available.

Attention:
1. MP4 play format: AVI, VOB, DAT...
2. When playing the contents in MP3/WMA format, the operation menu function is similar to CD/MP3/WMA disc play.
3. When playing the contents in JPEG format, the operation menu function is similar to JPEG file play.
4. When playing the contents in MPEG format, the operation menu function is similar to DVD disc play.

5. SD function

This button is effective when the machine does not have GPS function. Click to enter SD function, the operation of which is the same with USB.

If the machine has GPS function, SD slot is GPS navigation map slot. Then
machine does not have ordinary SD card function. It can access SD card from
GPS interface.

6. System basic set-up

Click the on the top right corner of the interface to access system basic set-up,
as follows:

![Picture 1](image1)

![Picture 2](image2)

- Sound effect setting: open/close, rock, pop, classical
- Super bass: open/close
- Equalizer: open/close
- Listening place: left, right, close
- Video: soft, sharp, standard, bright
- Treble setting: -7 to 7
- Bass setting: -7 to 7
- Volume control of backwards and forwards and left and right: set the volume of the
  backwards and forwards and left and right according to the users' interests.
- Back: click "Back" button to retreat from the setup menu.
- Click "Next page" to access picture 2, including:
  - Selection of radio standard: Russia, Europe, America 1, America 2 and Japan
  - RDS: open/close
  - Selection of TV standard: PAL I/PAL II/PAL II/PAL M/PAL N/NTSC M/SOM BG/SOM
  - D/K: SOM
  - Bluetooth: open/close
  - Time setup: including selection of time standard (12/24), time setup (hour/minute)
  - Antenna setup: click "->" on the interface to adjust antenna (-1 to 1)
  - Chroma setup: click "-" on the interface to adjust chroma (-7 to 7)
  - Contrast setup: click "-" on the interface to adjust contrast (-7 to 7)
  - Brightness setup: click "-" on the interface to adjust brightness (-7 to 7)
  - Confirm: save the present setting and retreat from the setup menu.
  - Angle adjustment: click up and down angle icon to adjust the viewing angle
    according to individual interest.
  - Click on the interface to return to main menu.

7. TV Function

Click the TV icon in the main interface or press the "SRC" on the panel/remote controller to switch to TV mode.
Including: setting, standard, criterion, channel -, channel +, scan, confirm, mute and so on.

★Setup: click to enter system setup menu, turn to page 6 (system basic setup)
★Standard selection: selection of TV standard (PAL / PAL DK / PAL BG / PAL M / PAL MN / SOM BG / SOM DK / SOM L /)
★Criterion: click to back to the tolerant standard
★Channel -: last radio frequency
★Channel +: next radio frequency
★Scanning: click to scan automatically and store the radio frequency. It can store 99 radio at most.
★Volume up and down: click on the interface to adjust the volume (0 to 39).
★Mute: click "Mute" on the interface or "Mute" on the remote controller to open/close mute.
★Adjustment of panel angle: click " " on the interface to control the descending angle of the panel; click " " on the interface to control the ascending angle of the panel
★Selection of TV channel: click the radio frequency stored on the interface, and then the system will play this broadcasting state.
★Radio switch: click " " on the interface to select last radio frequency and the next radio frequency.
★Fine adjustment: click " " on the interface, and then the system will finely adjust the frequency of the radio to low/high frequency.
★Click on the interface to return to the main menu

8. GPS navigation function (selectable function)

A. Operate navigation software

Plug the navigation software SD card, at the control interface as follow:

Click navigation " " icon, the system will enter navigation interface. Navigation software operation please refer to navigation software operation elucidation.

B. Audio player interface operation

As the following control interface:
Click ➤ icon, the system will enter audio player interface as follow:

Select the playing audio file, single click icon ➤ to play music.

Single click icon ➤ to stop.
Single click icon ➤ to pause.
Single click icon ➤ to select next file.
Single click icon ➤ to select previous file.
Single click icon ➤ to play in turn.
Single click icon ➤ to repeat playing all files.
Single click icon ➤ to repeat playing single file.
Playing speed can be adjusted by clicking “play bar” freely.

C. Video player interface operation

Single click icon ➤ to exit audio player interface.

As the following control interface:

Click ➤ icon, enter the video player main interface, as follow:
Click icon "\[img01\]", select video file's store path, enter the following interface:

Single click icon "\[img02\]" can add video files, as follow:

Select playing video file, as follow:

Single click icon "\[img03\]" to add playing video file and back to video player interface.

Single click icon "\[img04\]" and back to video player interface.

Single click icon "\[img05\]" or "\[img06\]" to select next or previous file.

Single click icon "\[img07\]" to delete file.

Double click file name can back to video player interface too, as follow:
Single click icon [ ] to play video.
Single click icon [ ] to stop.
Single click icon [ ] to pause.
Single click icon [ ] to mute.
Single click icon [ ] to full screen, then click screen can change to normal screen.
Single click icon [ ] to play faster.
Single click icon [ ] to select next episode.
Single click icon [ ] to select previous episode.
Single click icon [ ] to exit video player interface.
Volume can be adjusted by click "volume bar " freely.
Playing speed can be adjusted by click "play bar " freely.

D. Imageviewer interface operation

As the following control interface:

Click icon [ ], enter the imageviewer main interface, as follow:

Click icon [ ], select image file's store path, enter the following interface:
Double click file name can back to image viewer interface too, as follow:

Single click icon "X" to full screen, then click screen can change to normal screen.

Single click icon "X" to exit image viewer interface.

E. Setting option

As the following control interface:

Single click icon "X" to delete file.
Click “<button>” icon, enter the setting main interface, as follow:

a. Click “<button>” icon, enter the volume setting interface, as follow:

Single click icon “<button>” to add the volume.
Single click icon “<button>” to minus the volume.
Single click icon “<button>” to back to the setting main interface.

b. Click “<button>” icon, enter the backlight setting interface, as follow:

Single click icon “<button>” to add the brightness.
Single click icon “<button>” to minus the brightness.
Single click icon “<button>” to back to the setting main interface.
c. Click “**” icon, enter the navigation setting interface, as follow:

Choose navigation software store path, as follow:
interface. When touch screen is corrected completely, the system memory the correction result, and will not lose the result if power off, needn't correct every time. The factory mode has corrected the result well already.

e. Click " " icon, enter the language setting interface, as follow:

```
English
Italiano
Español
```

Select language, click " " to confirm.

Single click icon " " to back to the setting main interface.

f. Click " " icon, enter the system setting interface, as follow:

```
Product ID:
System Version:
Serial No.
```

Notice:
There could be GPS signal receiving malfunction under the following situation. This is not the problem of the product. Put goods on GPS antenna; paste sun film with metal content on the front window of the car; electric wave produced by other devices in the car interrupts GPS signal (such as some wireless alarm, MP3 CD player, photographing alarm using GPS and other GPS devices); use the wire to connect signal connector, at this time electric wave interruption could be avoid through mobile signal receiver (antenna).

Coudy day: signal receiver antenna can not directly be under the bridge, trussle, in the tunnel or underground driveway, underground parking area; the
car is parked indoors or the car is surrounded by mansions; when GPS signal receiving state is not good, the time for the car to confirm the present location when driving is much longer than that of the car when stopping. When the internal stand-by battery of the signal receiver is used up, the time for signal receiving for the first time would be longer. (The function of the stand-by battery is to shorten the time that the GPS signal receiver needs to receive signal for the first time. Generally it adopts rechargeable battery, with service life of 2 to 3 years under the condition of continual use. Service life is different according to different using frequency.)

Safety notice
To guarantee your safety, please read the following safety notice carefully:
- Please follow traffic rules and pay attention to the local traffic marks when navigating.
- Driver must not operate when driving. You must always keep your car under good control. If operating while driving, it would cause accident because you do not pay attention to the front. Please pull over the car when operating, go on to drive after finishing operation.
- Do not watch the screen of the display for a long time when driving.
- There would be problem if using together with other hardware or software. Please make sure before purchase.
- It would cause operation fault or malfunction if contaminants enter the memory slot or interior of the product.
- Situations that causes the sensibility of the satellite signal descends or can not receive signal are: color the antenna; paste sun film on the front window; put goods on the antenna; snow pile up on the front window; all these can affect the receipt of the signal. Please eliminate these factors or select exterior antenna device to avoid.
- Certain devices in the car could possibly affect the receipt of the GPS signal. The navigation function can not ensure the GPS signal receiving effect of all the cars.
- Please put the navigation device in the car if the temperature in the car increases because of direct sunlight and other causes. Rapid increase of the temperature in the car may lead to explosion of the navigator. Do not put the navigator in the car if the temperature is very high in summer.
- Malfunction is possible owing to pasting photo or coloring on the GPS antenna or terminal and it could affect the receipt of the signal.
- This product may be incompatible with devices, accessories (such as GPS signal receiver) which are not provided by our company. Our company is not responsible for all the product malfunctions caused by this.
- Proper environment temperature for the GPS signal receiver to operate is 0 to 50 degree centigrade.
- Under the temperature of -20 degree centigrade or -50 to -80 degree centigrade, GPS signal receipt will work normally. Problems may be aroused in summer or winter, please keep the inside of the car under proper temperature.
- Electronic map and actual road and landform may be a little different. Information supplied by this product is only for reference.
- Normal operation can be ensured only when using the navigation accessories supplied together with the navigation device.
• Do not register location, search location or operate other programs when driving. Operate after parking the car in a safe place. It is very dangerous to operate system or checking picture during driving. Please pay attention to surrounding traffic and passers by.

⚠️ Notice
The GPS receiver can calculate the present location only by receiving at least more than 3 satellite signals. Please contact factory to change the outside antenna if it cannot receive satellite signal or the satellite signal is not stable because of the car.

9. Bluetooth
Click "Bluetooth" of the main menu or "MODE" on the panel to access Bluetooth state, as follows:

Including the following submenus: number key (0 to 9), *, #, receive ( ), hang up ( ), volume - ( ), volume + ( ), Bluetooth switch button ( ).

delete ( ), call recorder ( ), mobile phone music ( ), match ( ), system setup ( ) and other control buttons.

① Bluetooth Connection
In standby mode, after you click the Pairing key on the touch screen, "Pairing is Awaiting" will be displayed on the host to enable your cell phone with the Bluetooth function to search out the FLAIRCOMM for connection. The default password of connection is "0000". After your cell phone is connected to the host, the connection prompt "OK" will appear, and the Bluetooth icon will flash no more.

② Bluetooth Operation
① Phone Dialing
After the cell phone is connected to the machine successfully, you can give someone a call, with operation as follows:
Press the Figure Key on the Bluetooth interface and enter the phone number you want to dial. In case of input error, you can press the Backspace Key for deletion. After finishing entering, press the Dial Key. To switch answer between the machine and your cell phone, press the Switch Key. When phone rings, press the Answer Key to answer the phone.

② Call record
Click ( ) to enter call record selection, as follows:
8. Play music
After connecting phone with this machine, selecting long-distance music control function and opening the player of your phone, click ‘Music’ to select song and begin operation. As follows:

Including: play/pause, last song, next song

(3). Click ‘→’ ‘←’ to control the viewable angle of the panel; click ‘←’ to back to main menu.

10. iPod (Optional Function)
When the machine is with iPod function, connect to iPod via the iPod interface behind the machine, click iPod on the main menu or press MODE button to enter iPod play, in this case, the current mode and song can be displayed on the display screen of the machine, whereby you can perform the operation. For relevant operations, please see the instructions of your iPod.

11. Reverse Rearview
Manual: Click the “Rearview Mirror” on the main interface or the “SRC Key” on the panel/Mode on the remote controller to switch to the rearview mirror mode. (This function can be available only when the webcam is installed).
Automatic: First connect the reverse line to the reverse gear (valid when the reverse level is high), then perform the reversal operation, in this case, forcefully switch to the reverse rearview mirror in any mode. After the reverse action is end, the system will return to the previous state.
Remote control function

1. Power
2. Mode switch/long press to retreat disc
3. Waveband of radio and DVD standard switch/DVD system setup menu
4. Cursor up
5. Cursor down
6. DVD system setup confirm button
7. Stop playing
8. Cursor down of DVD system setup menu
9. Automatic radio scan and store
10. DVD program on/off of radio dimensional sound
11. Far and near distance selection of radio/DVD disorder play
12. Long press to retreat next program quickly of DVD.
   Select next one of TV program
13. DVD PBS menu
14. DVD screen
15. Numbers
16. Mode
17. DVD disc play/stop
18. DVD disc caption switch
19. DVD disc title menu
20. DVD system setup menu
21. Right cursor of DVD system setup menu
22. DVD slow prevent
23. DVD play slowly
24. DVD image amplify
   Instructions for special keys of remote controller in DISC (DVD, VCD, CD and MP3) playing:

- Amplify image size
  Press ZOOM "amplify" key repeatedly on the remote controller, it will show the following function sequence:
  For example:
  
  │ amplify 2 │ amplify 3 │ amplify 4 │ amplify 1.2 │
  ├───────────┼───────────┼───────────┼───────────┤
  │ amplify closed │ amplify 1.4 │ amplify 1.3 │

  Notice: if there is no image output from the MP3, this function is ineffective when playing MP3.

- Play display
  Under the play state, press DISP on the touch screen or OSD key on the remote controller repeatedly to show title, chapter, time, track of audio frequency, audio frequency disclosure, and angle.
  For example:

<table>
<thead>
<tr>
<th>DVD</th>
<th>title</th>
<th>chapter</th>
<th>hour</th>
<th>minute</th>
<th>second</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISC</td>
<td>00: 24: 58</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

  Notice: this function is available only in DVD disc, VCD disc and CD disc.

- Selected play
  Under the play state, it will show play menu of selecting time by pressing GOTO key on the remote controller; input chapter or time at designated place and click "confirm", but it can not input time and chapter at the same time.
  For example:

<table>
<thead>
<tr>
<th>DVD</th>
<th>title</th>
<th>chapter</th>
<th>hour</th>
<th>minute</th>
<th>second</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISC</td>
<td>00: 24: 58</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

  Notice: the length of time and chapter can not exceed that of the disc content.
  Notice: this function is available only in DVD disc, VCD disc and CD disc.
* Multi-languages play
  Under the play state, it will show pictures with different languages by pressing SUB-T key on the remote controller repeatedly, and then select the caption you need. You can close caption if you do not want to display caption on screen. This machine supports 32 kinds of caption.
  For example:
  ![Caption Options]

  Notice: this function is available when the disc supports. There will be more selections if the disc supports more captions.

* Multi-dialogues play
  Under the play state, it will show different dialogues by pressing AUDIO key on the touch screen and remote controller repeatedly, and then select the one you need. This machine supports 8 kinds of languages.
  For example:
  ![Audio Frequency Options]

  Notice: this function is available when the disc supports. There will be more selections if the disc supports more audio frequencies.

* Switch of sound channel
  Under the play state, it can switch sound channel by pressing AUDIO key on the remote controller repeatedly. The left sound channel is accompanying sound, right sound channel is original sound and dimensional sound channel is signal of accompanying sound and original sound.
  For example:
  ![Sound Channel Options]

  Notice: this function is available under VCD play state.

* Random play
  Under the play state, it opens random play by pressing random on the touch screen or RND key on the remote controller, and then the player will play the program selected by random. Press again to close random play, and then the machine will play in sequence.

* Multi-angle play
  Under the play state, it will show pictures of different angles by pressing ANGLE key on the remote controller, such as far angle, near angle, left angle, and right angle. Its sequence is as follows:
  For example:
  ![Angle Options]

  Notice: this function is available under VCD play state.

* Programming play
  Under the play state, it can set the play sequence of the program through programming play function. Operation method: press PROG key, programming picture will be shown on the screen, input program number in the yellow shadow frame; press cursor up and down to move the shadow frame and type another program number; press play key to enter programming state; if you want to program several programs, follow the same method to input several program numbers, and then press play. Program number could be typed in through number 0 to 9.
  Notice: this function is available under VCD play state.

* Number key
  Under the play state, it can directly select the songs on the disc by pressing number 0 to 9 on the remote controller. After pressing 10+ and inputting any number from 0 to 9 within 2 seconds, it is the number of the program that equals to 10 and the any number from 0 to 9.
  Notice: the input is available if the number you input is bigger than the total programs on the disc.
## Product Specifications:

### Disc Compatibility

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Power voltage</td>
<td>12V/11V</td>
</tr>
<tr>
<td>Load</td>
<td>0.4</td>
</tr>
<tr>
<td>Maximum power output</td>
<td>0.8*4</td>
</tr>
<tr>
<td>Volume control</td>
<td>Low: 1000Hz High: 1000Hz</td>
</tr>
<tr>
<td>Output interface</td>
<td>Audio: dual-channel independent output Video: composite signal (4V) output</td>
</tr>
<tr>
<td>Input interface</td>
<td>Audio: dual-channel independent input Video: composite signal (4V) input DVD: multi-disc bus input</td>
</tr>
<tr>
<td>Video characteristic</td>
<td>Video amplitude: 1.0V-P-P (load of 75Ω) Frequency characteristic: 20-20kHz (±1dB)</td>
</tr>
<tr>
<td>Machine dimensions</td>
<td>168<em>173</em>40mm (depth<em>width</em>height)</td>
</tr>
<tr>
<td>Machine weight</td>
<td>2.7kg</td>
</tr>
<tr>
<td>Using temperature</td>
<td>-10°C to +40°C</td>
</tr>
<tr>
<td>Using humidity</td>
<td>5-99% (no water condensation)</td>
</tr>
</tbody>
</table>

### DVD Part

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Video standard</td>
<td>Automatic/NTSC/PAL</td>
</tr>
<tr>
<td>Sound channel</td>
<td>Dual-channel</td>
</tr>
<tr>
<td>Signal-to-sound ratio</td>
<td>75dB (1KHz, 0dB)</td>
</tr>
<tr>
<td>Frequency response</td>
<td>40Hz-16kHz</td>
</tr>
<tr>
<td>Separation degree</td>
<td>55dB</td>
</tr>
<tr>
<td>Dynamic range</td>
<td>80dB</td>
</tr>
<tr>
<td>Distortion degree</td>
<td>0.4%</td>
</tr>
</tbody>
</table>

### VCD/CD Part

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
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<tbody>
<tr>
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<tr>
<td>Dynamic range</td>
<td>80dB</td>
</tr>
<tr>
<td>Distortion degree</td>
<td>0.4%</td>
</tr>
</tbody>
</table>

### FM Time Part

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency range</td>
<td>80.5-108MHz</td>
</tr>
<tr>
<td>Out-of-service sensitivity</td>
<td>25dB</td>
</tr>
<tr>
<td>Service sensitivity</td>
<td>30dB</td>
</tr>
<tr>
<td>Signal-to-sound ratio</td>
<td>65dB (1KHz, 0dB)</td>
</tr>
<tr>
<td>Separation degree</td>
<td>75dB</td>
</tr>
<tr>
<td>Frequency response</td>
<td>40Hz-16kHz</td>
</tr>
<tr>
<td>Medium frequency range</td>
<td>30-35kHz</td>
</tr>
</tbody>
</table>

### AM Time Part

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency range</td>
<td>522-1620kHz</td>
</tr>
<tr>
<td>Out-of-service sensitivity</td>
<td>45dB</td>
</tr>
<tr>
<td>Service sensitivity</td>
<td>25dB</td>
</tr>
<tr>
<td>Signal-to-sound ratio</td>
<td>45dB (1KHz, 0dB)</td>
</tr>
<tr>
<td>Medium frequency range</td>
<td>450kHz</td>
</tr>
<tr>
<td>Frequency response</td>
<td>450Hz-16kHz</td>
</tr>
</tbody>
</table>
# Troubleshooting

<table>
<thead>
<tr>
<th>Faults</th>
<th>Cause and Solution</th>
</tr>
</thead>
</table>
| Power failure           | 1. Check whether the connection of power cord is correct and the contact is good.  
                         | 2. Whether the fuse is burnt out. Please replace the fuse of same model if so.                                                                 |
| Disc reading failure    | 1. Whether there is disc in machine or the disc is played;  
                         | 2. The area code of disc and machine can’t match with each other;  
                         | 3. The format of disc is wrong;  
                         | 4. Please replace another disc or clean the disc if the disc is damaged or rusted;  
                         | 5. Take out the disc and identify the machine for 1-2 hours if the machine is wetted and even condensed.                                      |
| No picture              | 1. Whether the disc played can support picture;  
                         | 2. Press ‘RESET’ once and restart the machine if the picture of display screen is confusing;  
                         | 3. Inspect whether the antenna is connected well if there is power supply but no picture;  
                         | 4. Inspect whether the video cable is connected well if the external TV has no picture.                                                   |
| Picture                  | 1. Correct the position of antenna if the picture of TV program is not clear;  
                         | 2. Reset the output standard of TV or DCD;  
                         | 3. Disconnect the external TV or video output, and avoid the influence of external TV system on video function through video connection.      |
| Blank screen             | 1. Reset the output standard of TV or DCD;  
                         | 2. Select the source format from DVD menu.                                                                                                    |
| Display failure          | If power the disc is broken or has been damaged. Please replace another disc or clean the disc.                                                  |
| Symbol of machine fault  | 1. Check whether the disc is installed or not installed;  
                         | 2. Whether the disc can support the function of option.                                                                                     |
| No sound or incomplete audio output | 1. Check whether the disc is standard;  
                         | 2. Inspect whether the system is under the mute state or the volume is turned off;  
                         | 3. Whether the output standard of TV is correct;  
                         | 4. Correct by pushing the “channel” or “language” button;  
                         | 5. There will be no sound output under the following states: panel skip forward/skip backward etc.                                          |
| Remote control failure   | 1. Whether there is any obstruction between remote controller and machine;  
                         | 2. Whether the remote controller is pointed to the receiving module;  
                         | 3. Check whether the battery is installed correctly;  
                         | 4. Check the electric quantity of battery of the remote controller.                                                                       |
| No option                | 1. Check whether the display setting of machine is correct;  
                         | 2. Whether the disc can support the function of option.                                                                                     |
| Sound loop               | The disc is installed or damaged.                                                                                                                                                 |
| Radio receiving failure  | Whether the radio connection is perfect.                                                                                                                                       |
| Disc loading failure     | There has been disc in machine already.                                                                                                                                           |