



# Car Audio System Operation Manual



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Note: This manual is subject to any change without further notice.

### Notice

Thank you for purchasing our multi-media products. Please read the manual carefully before use and keep it well for future reference. For your safety, do not watch video and operate the device when driving. When you are driving, please turn down the volume to the extent that you can clearly hear the sound outside the car. Before operation, please read this manual and other guidance of other systems to know well about relevant safety tips and warnings of this manual and device. When you finish reading it, put it at a convenient place for your reference at any time. Wish you a safe and nice drive.

- First be careful of the traffic safety and observe traffic regulations
- If there is difficulty in operating this system, please park your car in a safe place for operation.
- Do not let children operate this device to avoid hurt or damage to this device.
- Please observe traffic regulations while you are using GPS.
- Do not use it in places where electronic equipment or fire is forbidden, like gas station, winery, and electromagnetic interference, or it might cause danger.
- Do not maintain, repair or install this device on yourself. When it is connected to power, please do not install or maintain it, and leave it for

the trained staff who has received training of electronic equipment and installing of spare part of vehicle. It is very dangerous for inexperienced staff to install or maintain the device.

- Avoid keeping the device under direct sunlight, and do not place it in harmful environment, especially the LCD. If LCD is coincidentally close to the ventilation duct, make sure the cool wind or hot wind will not blow directly onto the device, or it may cause damage to the device, as well as to the car or human.
- It is forbidden to scrap LCD with sharp object. Do not press LCD hard with
- hard object, or it might cause damage to LCD or touch screen.
- To ensure the normal operation of the device, avoid fire or electric shock. Do not expose it in damp air, and spill liquid on it.
- The device can play disc of 12 mini meter automatically. It can only play one disc a time. Do not put disc of 8 mini meter or other objects inside it.

### Notes



Before installation, please remove the 2 screws on the top of the panel that help to absorb shocks to the main unit.

As this manual is intended for common use and may not cover each function of every device, the actual product shall prevail.

## I. Warnings

1. To avoid short circuit, please finish the installation and connection of this device before connecting it to power.
2. As to non-professional staff, please do not disassemble this device.  
There is laser inside. When it is exposed, it is harmful to human's eyes. Only professional staff can maintain it.
3. This device is equipped with 4 sound channels with big output. It is recommended to connect four loudspeakers. If it is only connected with two loudspeakers, it shall be insulated to avoid short circuit.
4. For this device is equipped with 4 sound channels with big output, it shall not be operated when the motor is turned off, avoiding reduce the voltage of battery and thus make it impossible to start the car.
5. In rainy days or extremely damp area, moist will condense on the internal part of the lens, which will cause malfunction of DVD. In this case, remove the disc and shut the power of DVD player. Wait until the condensed moist is evaporated, and it can work normally again.



6. When there is something wrong with the device, and it could not be solved, please use long and sharp object to softly press the reset button in order to restore it to the status when it is produced.

## II. Wiring Description

1. Before installation, please remove the two protective screws of the modules on the top cover of the main body. Then DVD can work normally. Refer to the following picture:

Step 1: Remove screws for fixture.

Step 2: Open instrument panel of vehicle and bracket.

Step 3: Make sure that the dimensions of the instrument panel are in accordance with the requirements, and fix it right into the left and right tapped hole on the side plate.

Step 4: Use the bracket to fix the device and fix it on to the instrument panel with screws.

Step 5: Finish installing instrument board.

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## Current Noise

The device is meticulously designed to counteract the noise disturbance possibly produced by the motor. There is noise-reduction system for every car. But in extremities or for very old cars, it may be necessary to identify the position of noise source, and acquire the control over it. It is necessary to find the specific source of noise and correct it. So this is better done by the dealers who are responsible for installation. If you have any problems, you better contact the multi-player installation center of vehicle for help.

## III. Operations

### Main Operation Interface Operation



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- |                      |                            |           |
|----------------------|----------------------------|-----------|
| 1. Radio             | 7. Bluetooth               | 16. Games |
| 2. DVD Player        | 8. Setup                   |           |
| 3. SD Card           | 9. AUX In                  |           |
| 4. USB Function      | 10. iPod                   |           |
| 5. TV                | 11. Rear Mirror            |           |
| 6. GPS Navigator     | 12. Bluetooth Music Player |           |
| (valid if integrated | 13. 6Disk                  |           |
| the GPS navigation   | 14. Steering Wheel         |           |
| function)            | 15. Car USB                |           |

Notes: Press and hold any icon on the main interface to move it to the target position.

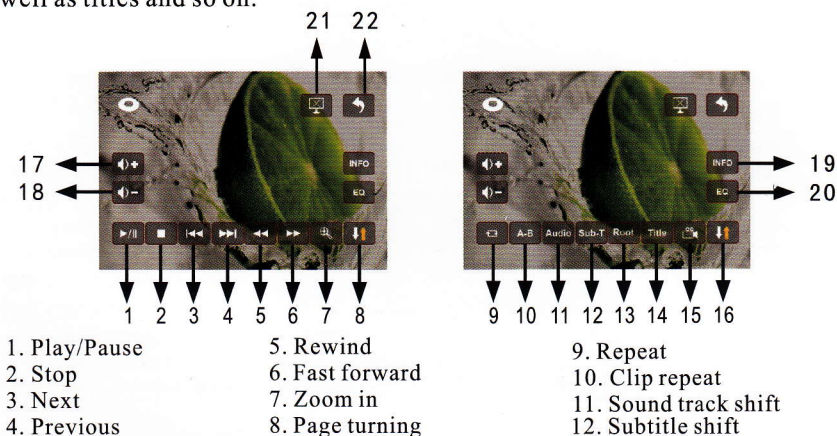
## DVD Playback

Warning: It is highly recommended to use standard genuine discs and keep them clean as well. To maximize the service life of this device, it is advisable to form good habits involving operation and maintenance. This device only supports 12cm discs.

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## DVD Playback

Insert a DVD disc into the slot of this device following startup. When loaded, the menu of this disc will appear on the screen. Click the target option to start playing the disc, select subtitle language and sound track as well as titles and so on.



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13. Click to enter the main menu
14. Click to enter the title menu
15. Angle shift
16. Page turning
17. Volume +
18. Volume -
19. Click to show up related information and again to cancel
20. Click to enter the EQ setup interface
21. Power conservation mode
22. Return to the previous level

## GPS Navigation

When incorporated GPS navigation function, insert the navigation SD card and click the navigation icon in the main interface or SRC, GPS on the panel to activate the navigation mode (Press the GPS button on the panel to shift into the navigation status directly in the non-rear-view status).

Notes: It is required to configure navigation route again when activated the navigation mode for the first or after reset. Otherwise, the system will prompt user with the message "Navigation path loading is failed".

## Navigation Path Setup

Click the Navigation Setup to enter the navigation setup interface. Select the corresponding navigation document in the format like xxx.exe. Take Careland map, select the document named Navione.exe.



## Radio Mode

Click the radio icon in the main interface or press FM or SRC on the panel to activate the radio mode in which an operation interface demonstrated in the picture below shows up first of all.





**(1)/(2) Broadcasting Station Selection/Reception**

Click a station stored in the frequency list in the main interface to receive broadcasting. Press ◀ and/or ▶ to tune up and down, and to start searching stations in high/low frequencies automatically, press and hold those 2 buttons. .

**(3) Waveband Selection**

Click the Band icon in the main interface or the Waveband button of the remote control to toggle between different wavebands like FM1/FM2/FM3/AM1/AM2. In radio mode, the preset cycle is as follows:

**(4) AS/PS Station Storage**

Press AS/PS to start scanning and then preview each stored station. Press and hold such icon to enable automatic station search throughout the entire frequency and subsequently save searched stations with signals strong enough or acceptable reception effect into the preset station frequency list.

**(5) Distance Selection**

Select LOC for local stations and DX for distance stations.

**(6) Automatic Search**

Press to enable automatic station search throughout the entire frequency and subsequently preview those searched stations with signals strong enough or acceptable reception effect for a while in turn.

**Bluetooth**

Click the Bluetooth icon in the main interface or the SRC button on the panel to activate the Bluetooth mode. Click the Bluetooth Setup icon to log into the Bluetooth configuration status and choose to enable or disable related options as shown below:

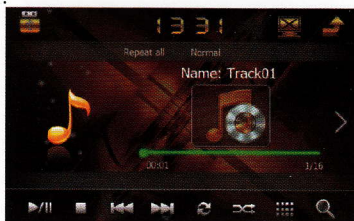
**Bluetooth Operation**

Access to the Bluetooth interface and select “Start to Pair” to search a device named CARDVD-BT for the purpose of pairing up the designated cell phone with this device. Once pair-up is completed, you can make calls as per the following steps: Dial the number you want to call via the Bluetooth numeric keypad. In case of entering wrong number, press (backspace) to delete. When number entry is finished, press (dial button) to send the call. Moreover, press (shift) to switch from the device to the cell phone or vice versa. If another call is coming in, pick it up via the receive button. When communication is over, press (hang-

up button) to terminate. In addition, you can also click Phone Book, Bluetooth Volume, Bluetooth Music and Call Log etc. in the interface to execute the corresponding functions (certain functions like Phone Book or Bluetooth Music etc. can only work on the premises that the cell phone paired up with the device supports those functions too).


## iPod, SD Card and USB Music Playback

If the function of iPod, SD card and USB music playback is incorporated into this device, you can connect an iPod via the iPod connector at the back of the device or press SRC on the panel to enable this function. Once enabled, the current playback mode and tracks will display on the screen and related operations like play/pause, fast forward, rewind, random and repeat etc. can be made on the screen as shown below.



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## AUX In/Brand Logo Setup

1. To play back incoming multimedia, connect the source player to this device via the AUX audio input and video input connectors at the back of the device. Nevertheless, controls over playback of such multimedia can merely execute via the source player rather than the device. To activate this function, click AUX In in the main interface or press SRC on the panel.
2. Click the AUX icon and change the volume to 2. Press and hold  to enter the brand logo interface. Side from left to right or vice versa to browse brand logos and select one as shown below.

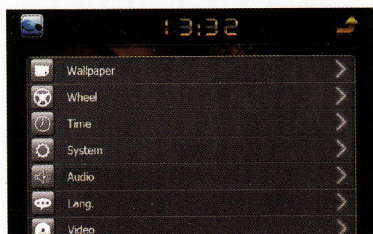


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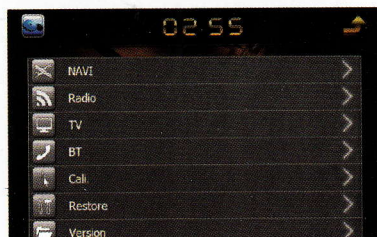


## Common Setup Operations

- (1) Click the Setup icon in the main interface to log into the setup interface in which options like Steering Wheel, Time, System, Sound Effect, Language, DVD, Navigation and Desktop as shown in the Picture 1 and Radio, TV Mode, Bluetooth, Touch Screen, Factory Settings and Version in the Picture 2 are offered.



Picture 1



Picture 2

### ①、Desktop

Click the Desktop icon to select a picture from P1, P2 and P3 as desktop as shown below:



### ②、Steering Wheel Learning

Click the Steering Wheel Learning icon or the Steering Wheel icon in the main interface to activate the steering wheel operation interface as shown below:



Operate in the steering wheel interface in accordance with the following: Press the button of the steering wheel and then the related button on the main unit, e.g. the Mode button, and finally, press ✓ to quit.

Remarks: Operate each button above in the way same as the Mode button.

### ③、Time

Click the Time icon to access to the time setup interface. To select time system, click the clock mode which is 12 hours to the left and 24 hours to the right. Buttons displayed in blue are open and gray closed. Slide the hour and minute buttons up and down to change hour and minute as shown below.

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- ④ Common System Setup: Options like Startup while Reversing, Rear Mirror Image, Button Sound, Picture-in-Picture and Screen Saver can be enabled or disabled.
- ⑤ Sound Effect: Click Sound Effect to enter the sound effect interface as shown below which contains several options such as EQ, Loudness, Bass, Middle and Treble etc.
- ⑥ Language Setup: The basic system language can be configured.
- ⑦ DVD Setup: Options like Subtitle, Divx Subtitle and Audio etc. can be set up.
- ⑧ Navigation Path Setup: Refer to the Page 4.
- ⑨ Radio Territory Setup: Select a territory from which radio frequency is picked up.
- ⑩ TV System: Configure the TV system.

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- ⑪ Bluetooth Setup: Options like Automatic Connection and Automatic Reception etc. are available.
- ⑫ Touch Screen Calibration: Enter the touch screen calibration interface. Press and hold the position of the central cursor till the calibration cursor moves to the left top corner automatically and then calibrate the left bottom corner, the right bottom corner and right top corner.
- ⑬ Factory Settings Restoration: Click the Factory Settings Restoration Icon to restore the current setup into default factory settings.
- ⑭ Version: Check out the software version information.

### TV Mode (optional, not included in standard configuration)

Notes: No Signal shows up on the screen when no channel is available.

Activate this mode via clicking the TV Mode icon in the main interface or SRC on the panel. Once activated, operate as per screen hints.

#### Games

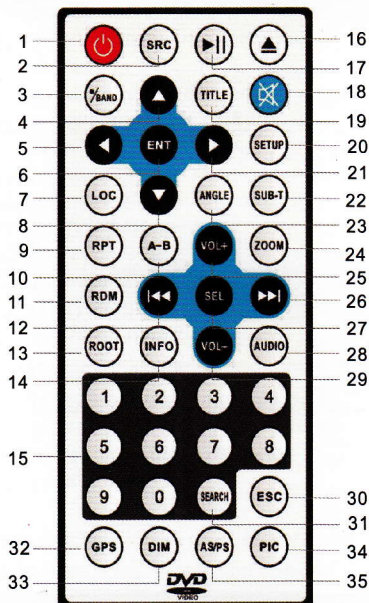
Click Games to enter the interface of integrated games and select your favorite game to play with.

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## IV. Remote Control Description

### remote control function

1. Power button
2. Mode switch
3. Radio waveband and stop (for DVD playback)
4. Up (used in the system setup menu)
5. Left (used in the system setup menu)
6. Enter (used in the system setup menu)
7. Remote/Short Distance of Radio
8. Down (used in the system setup menu)
9. Repeat
10. A-B repeat








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11. Random playback
12. Previous track (press) and rewind (press and hold) in the DVD mode and channel up in the TV mode
13. Enter the main menu of disc
14. DVD screen display
15. Numeric buttons
16. Eject/Close
17. DVD play/pause
18. Mute
19. DVD title menu
20. System setup menu
21. Right (used in the system setup menu)
22. DVD subtitle switch
23. DVD multi-angle playback mode
24. DVD image zoom-in
25. Volume +
26. Next track (press) and fast forward (press and hold) in the DVD mode and channel down in the TV mode
27. EQ setup menu
28. DVD sound track switch
29. Volume -
30. Quit
31. DVD preview
32. Navigation shortcut button
33. Screen brightness adjustment button
34. Up and down for brightness, contrast and hue selection in the image setup menu
35. Radio station auto-scan/auto-search






## V. Disc Use and Maintenance

The device can only support the following discs

Type of Disc	Disc Logo	Contents	Dimensions
DVD		Audio, Video	12 cm
VCD		Audio, Video	12 cm
CD		Audio	12 cm
MP3		Audio	12 cm
MP4		Audio, Video	12 cm

### ※ DVD Disc Features

Features vary from one DVD disc to another due to different designer and manufacturers. The table below lists some features with related logos.

Logo	Meaning
	It indicates the number of sound tracks and a disc can hold sound tracks as many as 8.
	It indicates subtitles in several languages.
	It indicates the number of shooting angles (9 angles as maximum)
	It indicates aspect ratio. "LB" stands for letterbox and "PS" Panscan. The logo exemplified to the left indicates changing the aspect ratio from 16:9 to LB.
	It indicates disc region code: ① America, Canada, East Island Countries of the Pacific Ocean ② Japan, West Europe, North Europe, Egypt, South Africa and Middle East Countries ③ Taiwan and Hong Kong of China, South Korea and Thailand ④ Australia, New Zealand, South Central Asia, South Pacific Island Countries and Oceania ⑤ Russia, Mongolia, India, Central Asia, East Europe, North Korea, North Africa, Northwest Countries of Asia 6. Mainland China

## Disc Storage

When not in use, please put the disc back into its box and then place such box vertically for storage. Do not put the disc in the environment which is rather cold, humid or scalding (including direct sunlight). Do not stick any thing to the disc or touch it with pencil, ball pen or other sharp-pointed writing tools as it might damage the disc. Do not use alcohol, diluter and detergent available on the market or the antistatic sprayer for the gramophone disc. For more information on disc maintenance, please refer to the disc operation manual. Do not load several discs into the device at one time.

## Unsuitable Discs

As discs spin at a high speed inside this device, cracked, damaged, deformed and other abnormal discs might cause damage to the device while spinning if loading those discs into the device.

**Declaration:** This device only accepts round discs. Therefore, do not put any irregularly-shaped disc into this device. Otherwise, the company shall not be liable for any damage resulted accordingly.

## Maintenance and Use of Discs

Handle the disc with one finger inside its central hole and the other along the edge so as not to leave any fingerprint, dust or scratch on the surface.

Damaged or smeared discs can not be played well. Although the label side of a disc contains no information, necessary attention is still required so as not to scratch such side as a defaced disc is probably not playable.

Wipe the disc clean in a radial manner from its center instead of turning the disc as wiping it clean. If necessary, use a piece of cloth dipped with alcohol or CD/DVD detergent available on the market to clean it thoroughly. Do not use benzene, diluter or other detergents, including those products designed to clean up ethylene discs.



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## VI. Troubleshooting

Faults	Solutions
No power	<ol style="list-style-type: none"> <li>1. Make sure the power cord is connected well and earthing is good.</li> <li>2. Check whether the fuse is burned. If it is burned, please replace it with the fuse of the same specifications.</li> </ol>
No loading	<ol style="list-style-type: none"> <li>1. Check whether the disc is placed upside down.</li> <li>2. Region code of the disc is different from that of the device.</li> <li>3. Wrong format of disc.</li> <li>4. The disc is damaged or dirty. Replace the disc or clean it.</li> <li>5. As to too much moist, remove the disc and connect the device with power for 1-2 hour.</li> </ol>
No image	<ol style="list-style-type: none"> <li>1. Check whether the disc played is supported by the device.</li> <li>2. If screen displays messy code, press RESET once to restart the machine.</li> </ol>

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No image	<ol style="list-style-type: none"> <li>When there is no video, check the antenna is connected well.</li> <li>There is no video of external TV. Check whether the video cable is connected well.</li> </ol>
Vague image	<ol style="list-style-type: none"> <li>If the image of TV program is vague, adjust the antenna to right position.</li> <li>Reset output format of TV or DVD.</li> <li>Remove the external TV connected to output interface, avoiding the disturbance to the clarity of the device from other systems.</li> </ol>
Malfunction in full screen	<ol style="list-style-type: none"> <li>Reset the format of TV or DVD.</li> <li>Select the format of screen from the menu of disc.</li> </ol>
Mark of unrecognized disc	The disc is damaged or broken. Please replace or clean it.
Malfunction in selecting song	Some tracks of disc prevents user to operate its preset play order.

Faults	Solutions
No sound or audio, incomplete output	<ol style="list-style-type: none"> <li>Make sure discs are legal ones.</li> <li>Check whether the system is mute and volume is on.</li> <li>Make sure video signal system is correct.</li> <li>Press audio button or language button to switch.</li> <li>There is no audio output in the following mode: pause/fast forward/fast backward.</li> </ol>
Malfunction of remote controller	<ol style="list-style-type: none"> <li>Make sure that there is no battier between the remote controller and device.</li> <li>Make sure the remote controller points at the receiver of the remote controller.</li> <li>Make sure the installation of battery is correct.</li> <li>Make sure the power of the battery for remote controller is adequate.</li> </ol>
No subtitle	<ol style="list-style-type: none"> <li>Make sure the setting of subtitle is on.</li> <li>Make sure that the disc supports the display of subtitle.</li> </ol>

Sound Skip	The disc is dirty or damaged.
No radio	Make sure that the antenna is connected well.
Unable to load disc	Make sure there is no disc inside the device.
Unable to locate the navigation path	Refer to the Page 4 to set up the navigation path again.
Started up while reversing	Follow Setup-System to enable or disable this function.
Opposite image in the rear mirror	Follow Setup-System to configure image direction.
No button sound	Follow Setup-System to enable or disable button sound.
Steering wheel not responded	Refer to the Page 10 to set up the steering wheel.

# VIII. Product Specifications

Compatible Disc DVD/SVCD/VCD/DVCD/CD/CD-R/CD-RW/MP4/MP3/Mr.OKO

Entire Body	
Supply Voltage	DC10V-15V
Load	4 ohm
Maximum Output	60w*4
Volume	± 7dB
	Bass 100Hz
	Treble 100Hz
Output Interface	Audio: 5 Sound Channel Separate Output
	Video: Compound Signal(AV) Output
Input Interface	Audio: 2 Sound Channel Separate Input
	Video: Compound Signal(AV) Input
	DVDC Multi-Disc Input
Video Features	VAD: 1.0VP-P (75 ohm load)
	Frequency Range: 20-20KHz(+1dB)
Dimensions of Device	184*178*50mm (Depth*Width*Height)
Dimensions of Installation	160*178*51mm (Depth*Width*Height)
Weight of Device	2.7 KG
Operation Temperature	-10°C+60°C
Operation Temperature	15~75% (no water drops condensed)

FM Tuning	
Frequency Range	87.5-108MHz
Detecting Sensitivity	23 dB
Operating Sensitivity	7 dB
SNR	65 dB(1KH 0dB)
Efficiency of Separation	32 dB
Frequency Response	40Hz-16KHz
Intermediate Frequency	10.7 MHz

DVD	
Video Signal System	Auto/NTSC/PAL
Number of Sound Channel	4 Channels
SNR	75dB(1Hz 0dB)
Frequency Response	40HKz-16HKz
Efficiency of Separation	55dB
Dynamic Range	80dB
Degree of Distortion	0.40%

VCD/DVD	
Video Signal System	Auto/NTSC/PAL
Number of Sound Channel	4 Channels
SNR	75dB(1Hz 0dB)
Frequency Response	40HKz-16HKz
Efficiency of Separation	55dB
Dynamic Range	80dB
Degree of Distortion	0.40%

AM Tuning	
Frequency Range	522-1620MHz
Detecting Sensitivity	45 dB
Operating Sensitivity	28 dB
SNR	45 dB(1KH 0dB)
Intermediate Frequency Range	450 KHz
Frequency Response	40Hz-16KHz