

Thank you for buying this product. For the purpose of completely understanding the function and operation of this product, please read all guides in this instruction. The description in this instruction is subject to the change due to the possible future variation of product's function without notice.

6.2" touch screen, Bluetooth, DVD, CD, USB, Television, Receiver, car-player

# Instruction



|  |    |
|--|----|
| 1. Description of product's functions .....            | 2  |
| 2. Basic operation .....                               | 3  |
| 2.1 Operation for remote control .....                 | 3  |
| 2.1.1 Schematic diagram of remote control .....        | 3  |
| 2.1.2 Description of remote control .....              | 3  |
| 2.2 Connection of tail-wire of player .....            | 4  |
| 2.3 Functional diagram of car-DVD panel .....          | 6  |
| 2.4 Operation for buttons of panel .....               | 6  |
| 3. Operation for touch screen and main functions ..... | 7  |
| 3.1 Operation for DVD/SD card/ USB .....               | 7  |
| 3.2 Operation for function of TV .....                 | 9  |
| 3.3 Operation for function of receiver .....           | 10 |
| 3.4 Operation for function of A/V .....                | 11 |
| 3.5 Operation for function of Bluetooth .....          | 11 |
| 3.6 Operation for function of IPOD .....               | 12 |
| 3.7 Operation for function of setting functions .....  | 12 |
| 3.8 Operation for function of rearview mirror .....    | 15 |
| 3.9 Operation for function of GPS .....                | 15 |
| 4. Installation schematic diagram for car-DVD .....    | 15 |
| 5. Safety notice .....                                 | 16 |
| 5.1 Warning .....                                      | 16 |
| 5.2 Safety notice .....                                | 16 |
| 5.3 Notice for disc operation .....                    | 16 |
| 6. Performance and parameters of main device .....     | 17 |
| 7. Simple troubleshooting .....                        | 18 |

# **1. Description of product's functions**

## **1.1 Product's functions**

- A. Playing of multi-format discs such as CD, VCD, DVD, MP3, MP4 etc;
- B. Worldwide AM/FM receiver + Digital RDS receiver
- C. Globally systematic TV receiver or digital television DVB-T
- D. Standard 45W×4 speak-power output for vehicle
- E. 6.2" touching TFT digital LCD with 800\*480 pixels
- F. Back-up rearview function make your drive safer
- G. Fully systematic compatibility of video input PAL/SECAM/NTSC
- H. GPS for vehicle compatible of each country's map in the world
- I. Standard fixed panel and direct insert of SD/MMC card from front panel applies to most types of vehicles.
- J. Hand-free speak/answer with Bluetooth and built-in microphone can be used normal despite of both driving and working; if a call is coming, the former working mode automatically turns into mute.
- K. The mould designed by our company makes the volume arrow shaped, with pretty appearance.
- L. Stable power startup with low voltage does not affect the ignition, with replaceable power fuse available.
- M. Fully systematic infrared remote control ensure the safe operation when panel is failed.
- N. Human-based buttons, touch interface and colorful OSD make the stereo effect complete.
- O. iPod function.
- P. Two-channel audio/video output, two-channel audio/video input facilitate the connection to external devices.
- Q. All adjusted parameters is automatically memorized and recovered to distributing mode.

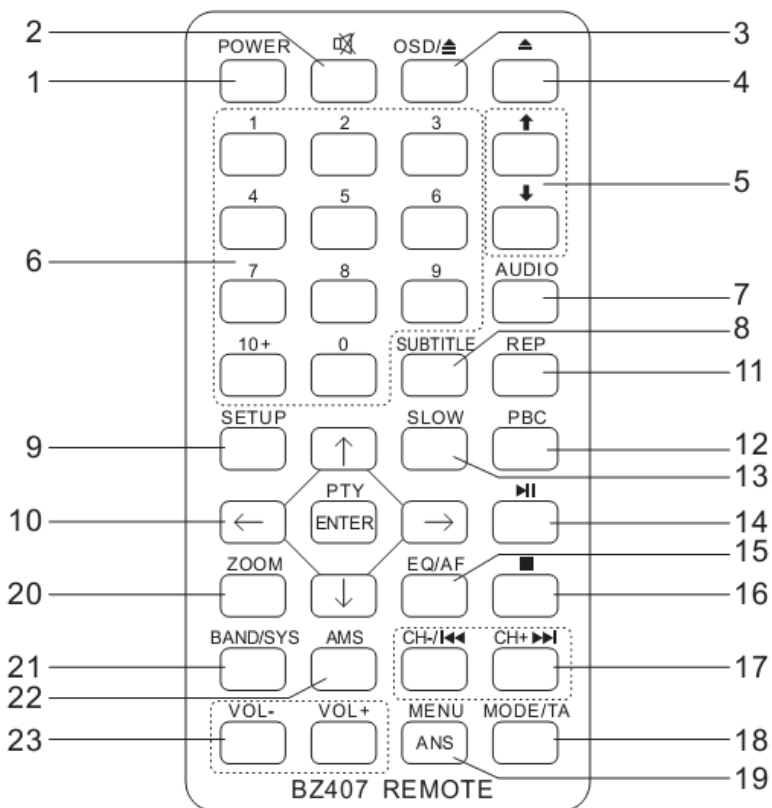
## **1.2 Application**

Furnished with high-quality colorful LCD, build-in DVD, FM, AM, TV, IPOD, back-up rearview mirror interface, four audio outputs ....., this product features entertainment, easy installation, convenient connection, low energy consumption, non flash, wide visual angle, real color and gentle lightness etc, and applicable for any type of vehicle.

## 2. Basic operation

### 2.1 Operation for remote control

#### 2.1.1 Schematic diagram of remote control



#### 2.1.2 Description of remote control

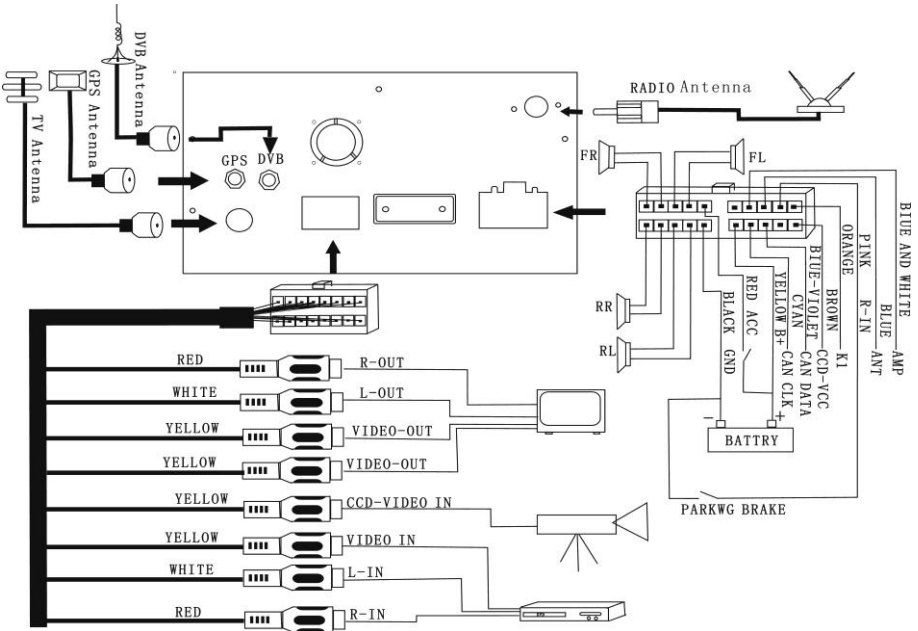
1. Power on/off button: Press this key to turn on or off the car-DVD, electricity-saved mode (lamp of buttons is off and no picture is in screen, the former mode is recovered by randomly touching screen) entered by a long press.
2. Mute button: Press the button for entering mute mode, press it again to recover the voice.
3. OSD button: press this button once to display the current playing time, press it twice to display the remaining time, press it at three times for the cancellation.
4. Disc-in/out button: Press this button for disc in/out in any mode.
5. Slide-up/down button: Press this button select upward or downward the single of screen.

6. Numeral buttons: Press these numeral buttons for the selection of songs.
7. Sound channel shifting button: Press this key to shift various sound channels in DVD mode.
8. Subtitle shifting button: press this key to select different subtitle display in DVD mode (only for the disc with many subtitle displays)
9. Setup button: press this button for entering into menu setup in DVD mode.
10. Up/Down/Left/Right/Enter buttons: These buttons are used for the setting of DVD.
11. Repeat button: Press this button to repeat the single song, all songs and cancel repeat function.
12. PBC button: Press this button to return to the subtitle mode in DVD mode.
13. Slow button: Press this button to enter the slow-speed play (1/2, 1/3, 1/4, 1/5, 1/6, 1/7) and cancel slow-speed play.
14. Play/pause button: press this button to shift play/pause function in DVD mode.
15. EA/AF button: Used for the selection of electronic sound equalizer; press this key to activate and close the RDS function
16. Stop button: Press this button to stop playing in DVD mode.
17. Last/Next song choosing button: Press this button to enter next song in DVD mod, press this button to enter next frequency band in receiver of TV mode.
18. Mode selecting button: press this button to select modes (DVD, receiver, multi-disc box, TV.....)
19. Function button (menu button): Press this button to enter menu displaying interface
20. Zoom button: Press this button to zoom up video picture, shift 2, 3, 4, 1/2, 1/3, 1/4 and cancel the function.
21. (PAL/SECAM/NTSC) Band/System button: Press this button to select FM1, FM2, FM3, AM1, AM2 in receiver mode, and select the systems of TV in TV mode.
22. AMS button: A long press on this button for the automatic search and save of band; a short press on this button for the selection for saved TV or radio channels.
23. Volume buttons: Press this combination of buttons to adjust the volume.

## 2.2 Connection of tail-wire of player

- 1.ANT Antenna power line (blue): Antenna power line must be connected to control terminate of vehicle wire. 2.R-IN Brake line (pink): When this line is connected with brake line, the screen will be automatically off until brake is stamped during running, unless this line is connected with ground wire to cancel this function for the normal usage without limitation.

3. CCD-VCC Back-up rearview detecting line (brown): back-up rearview line must connect to reverse gear (reverse circuit)
4. AMP (blue and white): Power amplifier control line
6. ACC +12V line for key (red): This line is connected with ignition line.
7. GND Ground wire (black): This line is grounded.
8. B+ 12V main power line (yellow): this line is connected with DC 12V power line of battery cell of vehicle.
9. (CAN CLK: Cyan and white CAN DATA: Blue and black) CAN BUS control line



**Note:** The socket of antenna is connected outside the vehicle

Tail-line meaning in Chinese and English:

B+: 电源正极 (黄色), Power positive (yellow)

ACC: 车钥匙 (红色), Vehicle key (red)

GND : 地线 (黑色), Ground wire (black)

AMP: 外接功放控制线 (棕色) External power amplifier control line (brown)

ANT: 天线电源线 (蓝色) Antenna power line (blue)

R-IN: 刹车线 (粉红色) Brake line (pink)

FL+: 前左喇叭输出正极 (绿色) Front left speaker output positive (green)

FL-: 前左喇叭输出负极 (绿黑色) Front left speaker output negative (green and black)

FR+: 前右喇叭输出正极 (紫色) Front Right speaker output positive (Purple)  
FR-: 前右喇叭输出负极 (紫黑色) Front Right speaker output negative (Purple and black)

RL+: 后左喇叭输出正极 (白色) Rear left speaker output positive (white)

RL-: 后左喇叭输出负极 (白黑色) Rear left speaker output negative (white and black)

RR+: 后右喇叭输出正极 (灰色) Rear right speaker output positive (gray)

RR-: 后右喇叭输出负极 (灰黑色) Rear right speaker output negative (gray and black)

AUDIO-L OUT: 音频左声道输出

AUDIO-R OUT: 音频右声道输出

AUDIO-L IN: 音频左声道输入

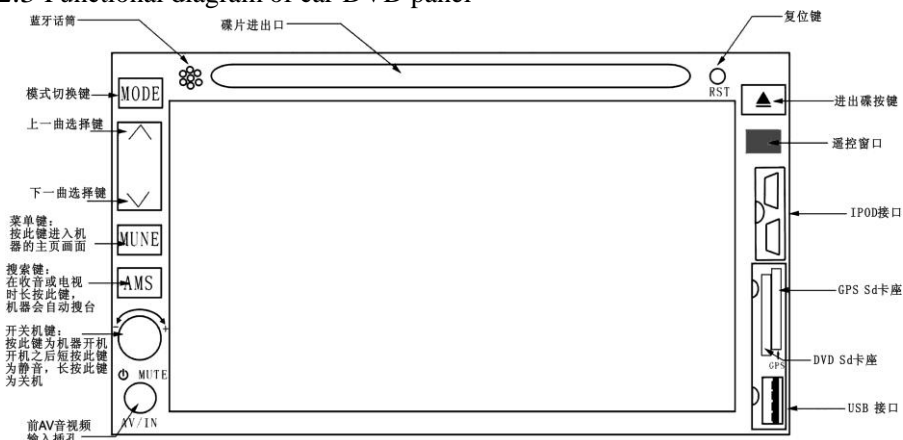
AUDIO-R IN: 音频右声道输入

VIDEO OUT: 视频输出

VIDEO IN: 外接视频输入

CCD VIDEO IN: 倒车后视视频输入

## 2.3 Functional diagram of car-DVD panel



### 图片中英文对照:

蓝牙话筒: Bluetooth microphone

碟片进出口: Entry/exit of disc

复位键: Reset

进出碟按键: Button for disc in/out

遥控窗口: Remote control window

IPOD 接口: IPOD interface

GPS SD 卡座: Socket for GPS SD card

DVD Sd 卡座: Socket for DVD Sd card

USB 接口: USB interface

前 AV 视频输入插口: Front AV video input socket

开关机键: 按此键为机器开机, 开机之后按此键为静音, 长按此键为关机 Power on/off button: Press this button to start up the player; press this button for mute after startup; a long press on this button makes the player shut down.

搜索键: 在收音或电视时长按此键, 机器会自动搜台 Search button: A long press on this button in Radio or TV mode will make the player automatically search channel

菜单键: 按此键进入机器的主页画面 Menu button: Press this button for entering home page

下一曲选择键: Next-song-selecting button

上一曲选择键: Last-song-selecting button

模式切换键: Mode shifting button

### Note:

Taking all efforts on improvement of product, the company will continuously upgrade the version of products. There may be fewer differences between the function, appearance as well as the internal design of product and the description in this instruction. The company will pay attention to the changed details.

## 2.4 Operation for buttons in panel

### 2.4.1 Mode button (MODE)

Press “MODE” button to shift DVD/Radio/TV/AV/Bluetooth etc; Restart the player after turning it off, the player will automatically enter the prior mode. If a disc is put into, the play will automatically enter into DVD mode to read the disc despite of the current mode; A long press on this button for touching correction in any mode.

### 2.4.2 Last song button (∧)

Press “∧” button for upward selection in DVD, USB, SD mode, a long press on this button for fast rewind; press this button in radio or TV mode to select last channel, a long press on this button for upward scan in single step.

### 2.4.3 Next song button (∨)

Press “∨” button for downward selection in DVD, USB, SD mode, a long press on this button for quick play; press this button in radio or TV mode to



select next channel, a long press on this button for downward scan in single step.

#### 2.4.4 Menu button (MEUN)

A short press on this button to enter home page; A long press on this button to turn off the screen (Screen turns into black, but audio is still outputted)

#### 2.4.5 Search button (AMS)

In radio and TV mode, A long press on this button for the automatic scan, a short press for channel browse

#### 2.4.6 Power on/off/mute button (⏻/MUTE)

After connecting the power supply to player, press “⏻” for startup, a short press on this button for mute, a long press on this button for shutdown; this button can be rotated in left or right, left or right rotation respectively reduce or increase the volume.

#### 2.4.7 Disc-out button (⏏)

Press (⏏) on panel to automatically make disc in/out.

#### 2.4.8 Reset

When player is under abnormal system or crash, press this button to recover the normal work of system

### 3. Operation for touch screen and main functions

When pressing the power on/off button on panel or remote control, the screen will display the warning statement: “Danger! It is allowed to watch video when you are driving!” Then the player turns into play mode automatically as follows:

Main menu as shown in OSD001 could either realize the desired operation, or shift various mode by MODE button.



OSD001

#### 3.1 Operation for DVD/SD card/USB

##### 3.1.1 Operation for DVD (⏻)

- 1) Insert CD or select icon “⏻” on screen, the player will enter into DVD mode as shown in OSD0002; The player will be automatically shifted into DVD mode after disc is inserted, whichever mode is the player in previously.

(Note: the surface of disc with pattern is up) the disc will be read 10 seconds later.



OSD0002



OSD0012

- 2) After the disc is loaded, click any area on screen for the display of touching operation key (as shown in OSD00013), which may realize the desired operation. The desired operation can also be implemented through panel.



OSD00013



Note: Only in case that disc is inserted into the player, selecting icon in main menu can make the player enter into DVD.

- (1) Play/pause: (II▶) press play/pause key on screen to implement the corresponding operation, and display it on upper-left corner of the screen at the same time.
- (2) Choosing last/next song: (◀▶) click last/next song key to choose former program or next program.
- (3) Fast forwarding/fast rewind: (◀▶▶▶) click fast forwarding/fast rewind key to fast forward or fast rewind.
- (4) Volume control: (🔊🔇) press (🔊🔇) key to adjust the volume until mute.
- (5) Mute: (🔇) press this key to display (🔊) on screen, which means player is in mute mode; press it again to cancel the mute mode.
- (6) Menu key: (MENU) click (MENU) key on screen, the player enters menu mode (disc is required to support menu); click PCB key for VCD

disc

- (7) Repeat key: (REPEAT) click (REPEAT) key to select section repeatedly, song repeatedly and close it.
- (8) Main menu: Press (STOP) key to enter main menu (OSD0001)

## 2. Operation for SD card


- 1) Insert SD card or select icon “

OSD00014


- 2) After the SD card is loaded, touching keys as shown in OSD00013 will appear, which may realize the desired operation. The desired operation can also be implemented through panel. Press “Back” key to return to main menu.

Note: Only in case that SD card is inserted into the player, selecting icon of SD card in main menu can make the player enter into SD.

## 2. Operation for USB

- 1) Insert USB card or select icon “






### 3.2 Operation for TV function ()


Enter into TV mode by “MODE” key on panel or remote control, or enter into TV mode by icon “

10




OSD00015

- 3.3.1 Automatic search of TV: Press “” key in TV mode or on remote control to enter in automatic search of TV frequency band.
- 3.3.2 Selection for saving channel: Press “”, ” on panel or remote control to select the saved TV channel; or select the favorable TV channel.
- 3.3.3 Manual search: Press “”, ” on panel or remote control to search next channel and play the corresponding program.

Note: Different TV system in different region may cause mute when selecting different system. Please shift TV system through “”key on panel or remote control (PAL:B/G,I,D/K;NTSC:M;SECAM:DK,B/G)

### 3.3 Operation for Radio function ()



Enter radio mode by “MODE” key on panel or remote control, or by icon “” on main menu, as shown in OSD0004, with max 30 band saved





OSD0004


- 3.3.1 Automatic search: A long press on key “AMS” to enter automatic search of radio band, and automatic determination and save of the searched band.



Automatically skip to the originally saved band after the completion of automatic search.

3.3.2 Fine turning function: Adjust TV band by key ,  on screen or panel to obtain the best receiving effect; select different saved bands by numeral keys on remote control to obtain the favorable frequency band.


3.3.3 Half-automatic search: a long press on key ,  to automatically search adjacent frequency band or next frequency band.



3.3.4 Press key FM/AM to directly shift FM1, FM2, FM3, AM1, AM

3.3.5 Long press on key  for the automatic search of radio channel; a short press for browse.


3.3.6  is RDS TA function switch key,  is RDS function switch key

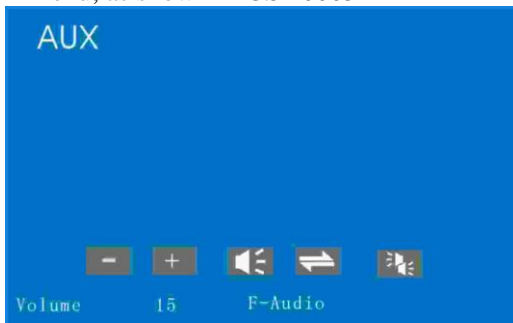
3.3.7  is RDS radio-type display switch  is radio-stereo switch

3.3.8  is menu key, for the section of volume, treble, bass, tuning such as front and rear, left and right etc

3.3.9  is mute switch;  is home page key, and press this key to return to home page mode

#### 3.4 Operation for A/V function ()


Enter AV mode by key “MODE” on panel or remote control, or by icon  on main menu, as shown in OSD0005




OSD0005

3.4.1 Respectively connect incoming lines of AV to audio-left input (AUDIO-L IN), audio-right input (VIDEO-R IN) and external video input (VIDEO IN) of tail line.


3.4.2 The player will work in AV mode through icon of AV in main menu, “MODE” key in remote control or panel.

3.4.3. The rear/front AV of player could be shifted through key  on touch screen (headset jack on panel is front AV socket) click character “AUX” to return to main menu.

### 3.5 Operation for Bluetooth

The player will enter Bluetooth mode by key MODE on panel or remote control, or by icon  in main menu, as shown in OSD0007

3.5.1 Open cell phone Bluetooth function to search equipment with name of “Bluetooth or CAR KIT”, type “0000” as password; cell phone can be used after connection.


3.5.2 Bidirection key  is used to transfer the voice between cell phone and hand-free device.

3.5.3 In order to connect Bluetooth faster, please dial “red hang-up key of 2009” to clear memory in player.

3.5.4 Bluetooth mode is automatically entered into if speak or answer a phone in any mode.



OSD0007

Click key  to return to main menu.

“”Dialing


“”Cancelling

“”Hang-up

“”Shift between Bluetooth and cell phone

“”—“”Numeral key “”“”Special sign key



### 3.6 Operation for IPOD


The player will enter into IPOD mode by key “MODE” on panel or remote control, or by icon  on main menu, as shown in OSD1007






OSD1007


3.6.1 Insert USB MINI plug of IPOD into USB socket of the player, and insert the earphone plug into front AV socket of the player. (the player will automatically shift to IPOD mode from any mode when connecting IPOD to the player)



3.6.2 Repeat playing and random playing can be realized by respectively clicking key “” and “”



3.6.3 Click “” to return to main menu

“” for repeat playing; “” for random playing

3.7 Operation for setting function 


System setting menu will be entered when choosing setting icon () on main menu, as shown in OSD0011


3.7.1 () Setting of picture ()


Choose “” to enter setting of picture in setting menu as shown in OSD0009, for adjusting each value of lightness, contrast and color by +/-; click key “” to return to main menu.



OSD0009

3.7.2 Setting of audio ()


Choose “” to enter setting of audio in setting menu as shown in

OSD0010, and control each sound channel by adjusting key left/right/front/rear as shown in figure. Main volume is adjusted through +/- on setting menu of audio. Click key “” to return to main menu.



OSD0010


### 3.7.3 Setting of radio region/language

Click icon “” in setting menu to set the region of radio (China, Europe, America, Japan, Russia) as shown in OSD00016




OSD00016

This menu could also be used for the selection of different language required by customer.

Click key “” to enter into main menu

Note: Only three different languages such as Chinese, English and Russian can be supported in this player.






### 3.7.4 Other setting ()

Select icon “” in setting menu to enter other setting menu as shown in OSD0011





OSD0011

- 1): Click icon (  ) in menu to set hour, minute, second of time
- 2): Click ON/OFF key below icon (  ) in menu to turn on/off voice identification function of navigation.
- 3): Click ON/OFF key below icon (  ) in menu to turn on/off mirror function of picture during reverse. (The picture played in screen is transposed in left and right when mirror is functioning)
- 4): Click ON/OFF key below icon (  ) in menu to turn on/off the key voice.
- 5): Click 12/24 key below icon (  ) in menu to set time as 12-hour system or 24-hour system.

#### 4. Calibration of touch screen

A long press on key (MOND) is required to calibrate the touch screen when the key in touch screen is offset. As shown in OSD0013.



OSD0013

Touch cursor “+” in the center for about 2 seconds, and the cursor will move to right corner; the cursor will move to four corners in order, and the calibration will be completed after four touches; then the player will automatically quit calibration mode.

### 3.8 Operation for rearview mirror

3.8.1 For the vehicle furnished with reverse camera, the picture from camera may be automatically shifted for the observation of the situation behind the vehicle to ensure safe drive.

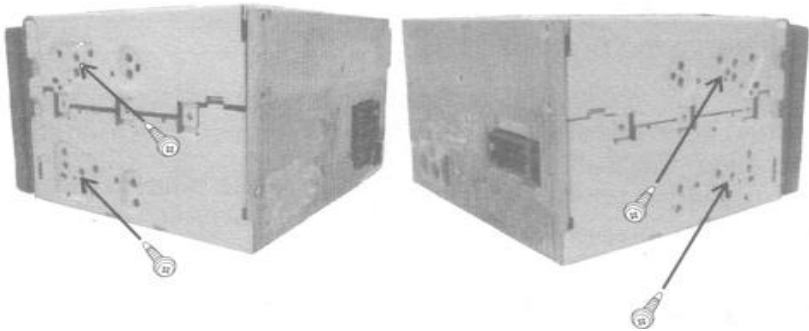
3.8.2 Only the following conditions make this function realized:

- (a): Camera must be mounted at tail of vehicle.
- (b): Reverse control line “CAM” must be connected with reverse gear or reverse lamp powered by 12V.
- (c): Video output of video must connect to video input of terminate of CCD-VIDEO.

### 3.9 Operation for GPS

Refer to Operation Instruction of GPS for more details.

## 4. Installation schematic diagram for car-DVD



There are 5 screws on each side

1 Mount car-DVD in right place

2 Check whether the circuit is connected in accordance with circuit diagram in manual (refer to page 5-6 for relevant information)

3 Tighten the screw

Note:

This product is installed based on the instruction of person with professional knowledge. Consult person working in the near shop engaging in the maintenance of vehicle stereo for problem occurring during installation.

1. Only the voltage of DC 9-14V is allowed for this product.
2. The circuit connection is subject to the method as specified in manual (refer to page 4 or 5), and the improper connection may result in this product unusable.
3. Connect power line after ensuring that the connection of other lines is completed.
4. All terminators exposed outside shall be insulated well to prevent short circuit.

5. All circuits shall be fixed without any loosening before the installation of this product.
6. Please carefully read the manual of product before the connection of this product.
7. By reason of high precision of this product, please do not store this product in the places where is (i) under sunlight or high temperature, or (ii) unsafe or vibrated; or (iii) dry or wet.
8. Please use the standard screws provided by our company when installation, the usage of other screws may damage the player.

## **5. Safety notice**

### **5.1 Warning**

1. In order to ensure the normal work of the product, please do not expose the product in wet or rainy condition.
2. Strictly comply with traffic rules to avoid traffic accident; Please do not watch the video during drive, and turn off the video during drive.
3. Please pay attention to the radiation included in this product
4. Only person with professional knowledge is allowed to open this product; please send it to professional maintenance center for the repair, and do not repair it by yourself.

### **5.2 Safety notice**

1. Please turn off the screen during drive
2. Attention shall be paid not to put wet or humid object on this product in case of short circuit, fire or other unexpected dangers.
3. Do not park vehicle under sunlight for a long time in case of too high temperature inside the vehicle; ensure the temperature inside the vehicle is not too high if this product is required to be started up.
4. This product is powered with 12V DC.
5. Please do not put the object not same as disk into the tray.
6. Please do not make the volume too high during drive in case of unexpected traffic accident.

### **5.3 Notice for disc operation**

1. Do not use discs with unusable defects such as dirt or scratch etc.
2. Do not put fine and sharp object on disc in case scratch.
3. Do not put the disc in the sunny, dirty and wet place.

4. Do not use pirated compact discs.
5. Please wipe the surface of disc with soft wet cloth. The liquid exclusive to disc instead of indecomposable liquid is required for the too dirty surface of disc.

## 6. Performance and parameters of main device

### 6.1 Performance and parameters of main device

|                        |  |
|------------------------|--|
| Voltage:               | DC 9-16V   |
| Max current:           | 10A  |
| Allowable temp. scope: | 0°C-40°C   |
| Diameter (L*H*W):      | Installing size (about): 182*52*165mm<br>Panel size (about): 188*52*12mm |
| Weight (About):        | 2.0KG (not including accessories)  |

| Specifications |                                       |                                   |
|----------------|---------------------------------------|-----------------------------------|
| FM             | FM Frequency                          | 76.0—108.0MHz                     |
|                | Noise-limited sensitivity ( S/N 30db) | 15dB                              |
|                | Noise-signal ratio                    | >50dB                             |
|                | Antenna impedance                     | 50                                |
| AM             | MW Frequency                          | 522-1620KHZ                       |
|                | Noise-limited sensitivity ( S/N 30db) | 35dBu                             |
|                | Noise-signal ratio                    | >40dB                             |
|                | Antenna impedance                     | 50                                |
| TV             | VHF-L Frequency band                  | 49.25-93.25MHZ                    |
|                | VHF-H Frequency band                  | 168.25.-223.25MHZ                 |
|                | UHF Frequency band                    | 471.25-863.25MHZ                  |
|                | Receiving mode                        | PAL:B/G,I,D/K;NTSC:M;SECAM:DK,B/G |
|                | Antenna impedance                     | 75                                |
| Audio          | Noise-signal ratio                    | 80db                              |
|                | Max output power                      | 60W x 4CH                         |
| Video          | Video output amplitude                | 1+/-0.2V                          |
|                | Video resolution                      | ≥500                              |

## **7. Simple troubleshooting**

1. No audio is output
  - (1) Check whether the player is in mute mode, if so, turn off mute
  - (2) Check whether volume is lowest, if so, please set it.
  - (3) Check whether speaker is broken.
  - (4) Check audio adjustment is in analog mode
2. Disc can not be read
  - (1) Check whether player is in DVD mode, if not, please shift it to DVD mode.
  - (2) Check whether there is a disc in the tray, if not, please put a disc in.
  - (3) Check whether disc is put into DVD, if not, please improperly put a disc in.
  - (4) Check whether the disc is scratched, damaged or dirty, if so, please replace it
  - (5) Long time's parking outside may result in laser head wet, which may give rise to hardly read disc. Turn on the switch and wait a half hour

### **Attention:**

Please do not try to disassemble this product if a trouble occurs. In order to avoid severer mistake or unnecessary loss, please send this product to professional person or after-sale personnel of our company for the repair.