

# OWNER'S MANUAL



C a r A u d i o H i f i S y s t e m

•TOUCH SCREEN •2-DIN 7 " TFT LCD •DVD PLAYER

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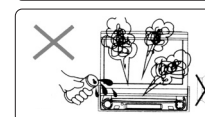
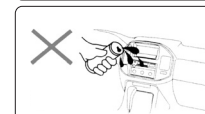
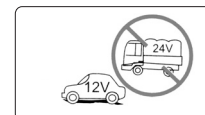
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## Warnings and Precautions

### Warnings

- 1、 Only connect the unit to a 12V power supply with negative grounding.
- 2、 Never install the unit where the operation for safety driving is restrained.
- 3、 Never use the video display function in the front when driving to prevent the violation of laws regulations and also to reduce the risk of traffic accident except using for rear view video camera.
- 4、 Never expose the unit, amplifier, speakers to moisture or water to prevent electronic sparks or fires.
- 5、 Please don't change the fuse in the power cord without professional guidance, improper fuse may cause damage to this using unit or even cause fire.
- 6、 Please power off the unit at once and send it back to the after-sales service center or the dealer/distributor you purchased from if one of the following symptoms is found:  
(a)NO audio output; (b)NO image output;(c)Water or other obstacle enters the unit; (d)Smoking;  
(e)Peculiar smell.
- 7、 To ensure safe driving, please adjust the volume to a safe and comfort level in case of emergency situations.



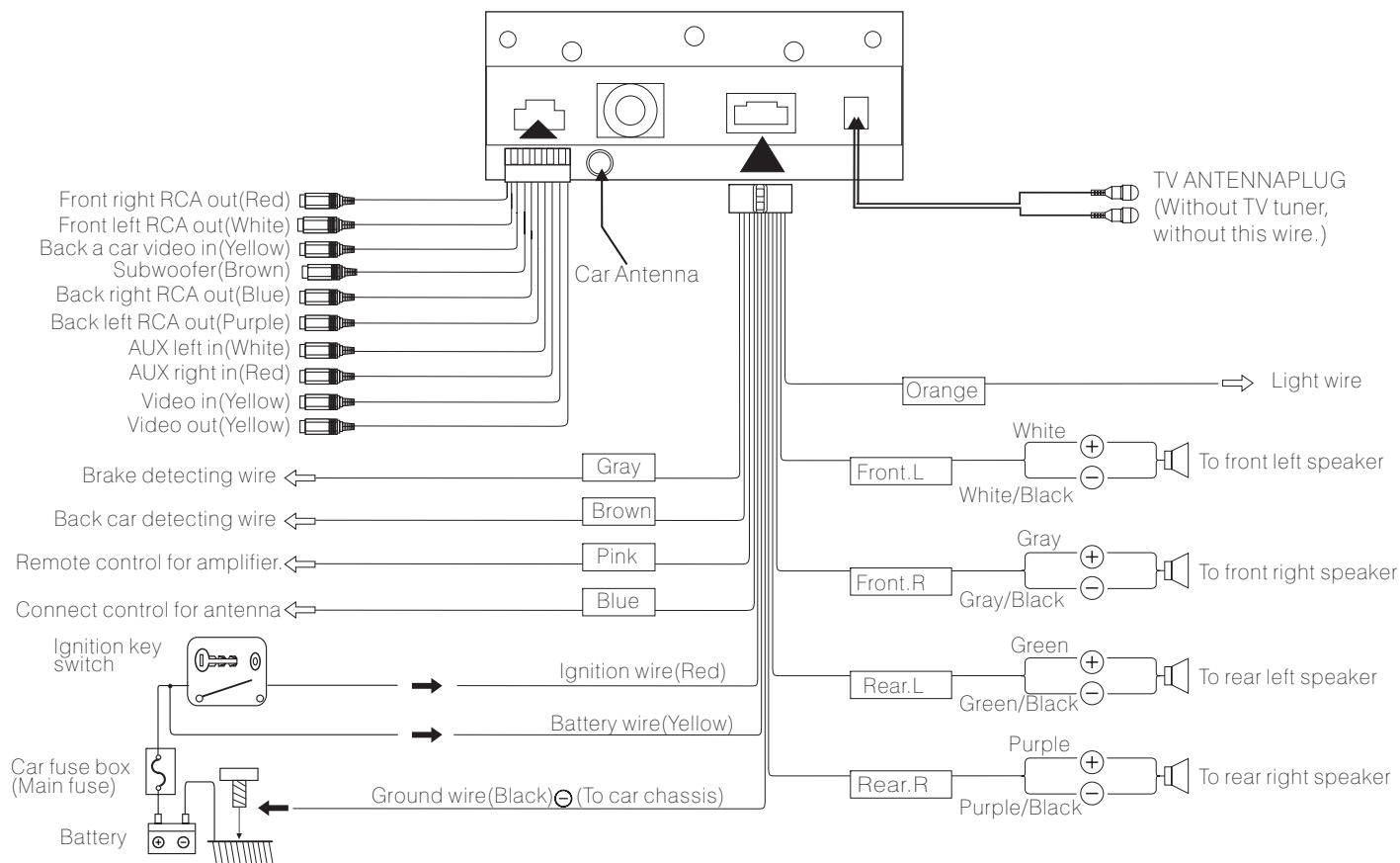
## Warnings and Precautions

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### Precautions

- 1、 Never disassemble or adjust the unit without any professional guide. For details, please consult any professional car shop/ dealer for inquiry.
- 2、 If the front panel or the TFT monitor is squalid, please use a clean silicone cloth and neutral detergent to wipe off the spot. Using a rough cloth and non-neutral detergent such as alcohol for cleaning may result in scratching or decoloration to the applicant.
- 3、 If any abnormal behavior of the unit is found, please refer to trouble shooting guide of this manual. If no relevant information is found , please press the [RESET] key on the front panel to resume factory default.
- 4、 If you have parked the car in hot or cold weather for a long time, please wait until the temperature in the car becomes normal before operating the unit.
- 5、 Using in-car heater in low temperature environment may result in beads coagulate inside the unit, DO NOT use the unit in this situation, eject the disc and wipe off the bead on the disc. If the unit still doesn't work after a few hours, please contact with after-sales service center.
- 6、 No fierce impact to the LCD monitor when it is in open position for preventing the damage to any mechanisms inside.
- 7、 To prevent the damage to the screen, avoid touching it with sharp objects.
- 8、 The monitor employs auto motorizing mechanism, please don't push, pull, or swivel the monitor manually to prevent damage to any mechanisms inside.
- 9、 To provide a clear demonstration and an alternative for easy understanding to the operation of this unit, graphic illustrations are used. However, these illustrations are some different from the actual images displayed in the unit.
- 10、 During operation the unit, "🚫" is displayed if the particular operation is not available or illegal.
- 11、 Operate the unit correctly according to this manual to prevent. Unnecessary problem. The guarantee won't be valid if the problem is caused by inappropriate operation.

## Electric Connection



## Install

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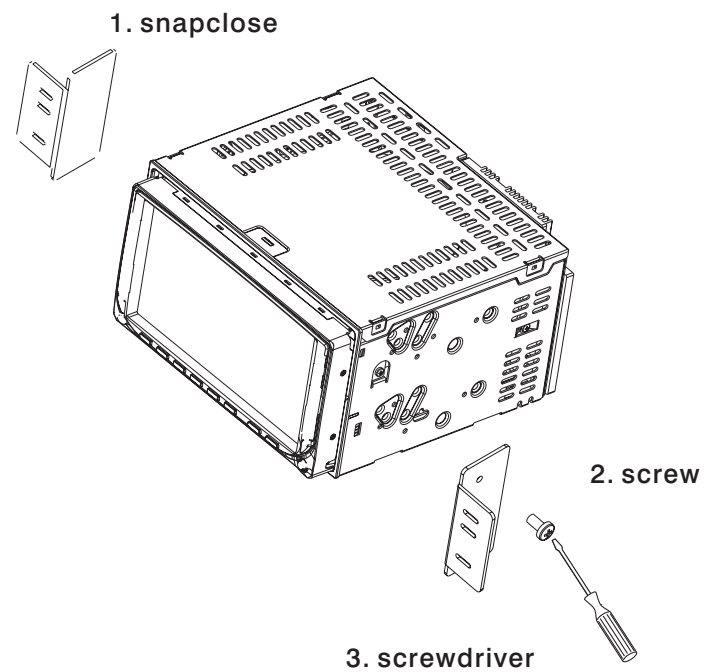
Before installing the receiver, fit it in the approximate place in your car and connect the equipment according to the speakers and electrical connections. When your system is operated properly, follow the instructions for permanent installation of your system.

### INSTALL THE UNIT

1. Install the snapclose.
2. Lock up the unit in a car through screwdriver.

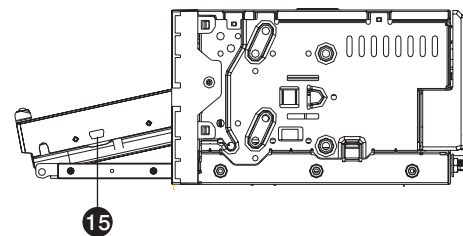
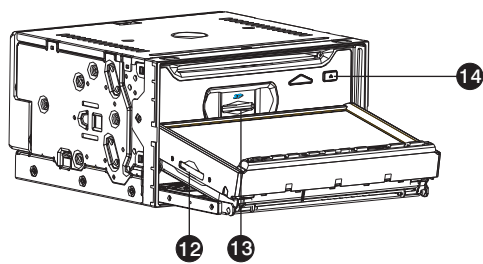
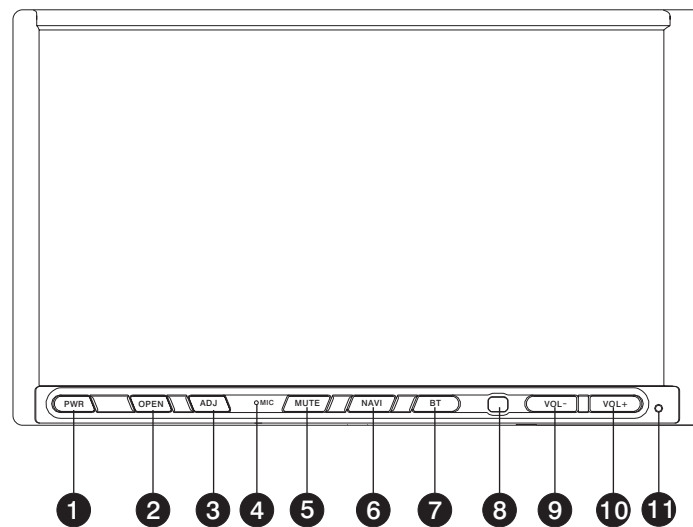
### REMOVE THE UNIT

1. Remove the unit through screwdriver.
2. Remove the snapclose . Make the unit deviate from the car, then take the connecting pin down.

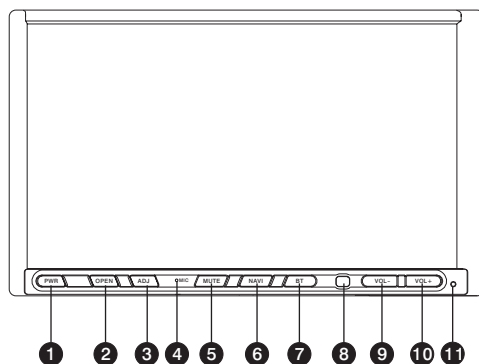


## General Features

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## General Features

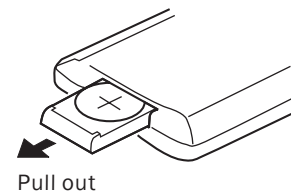


- ❶ SRC Button: Play SRC switch.
- ❷ OPEN Button: turn down button.
- ❸ ADJ Button: Display position Adjustment.
- ❹ MIC.
- ❺ MUTE Button: Mute.
- ❻ NAVI Button: switch to Navigation mode directly.
- ❼ BT Button: switch to BT mode directly.
- ❽ Signal received window.
- ❾ VOL- Button: decrease volume.
- ❿ VOL+ Button: increase volume.
- ⓫ Reset Button.
- ⓬ Map SD slot.
- ⓭ SD Slot.
- ⓮ [▲] Button: To eject the DISC.
- ⓯ USB Port.

Note: If unit not have BT, also not have mic. (❹)

## Remote Control

### Loading and replacing the battery

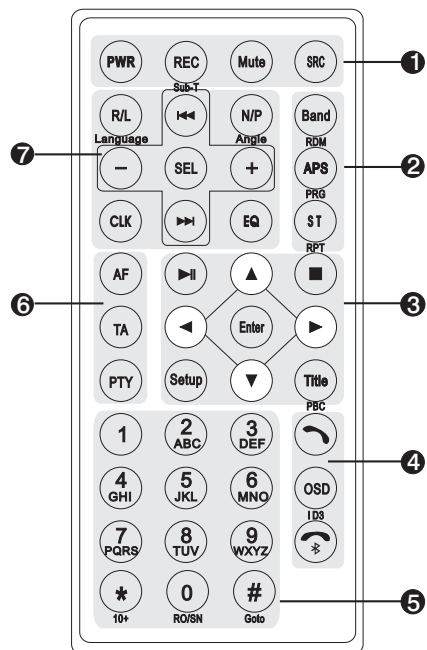


Notes of remote control using:

- ❶ Aim the remote controller at the remote sensor on the unit.
- ❷ Remove the battery from the remote control or insert a battery insulator if the battery has not been used for a month or longer.
- ❸ DO NOT store the remote control under direct sunlight or in high temperature environment, or it may not function properly.
- ❹ The battery can work for 6 months under normal condition. If the remote control can't work, please change the battery.
- ❺ Use (button shaped) lithium battery (CR-2025) only.
- ❻ DO NOT recharge, disassemble, heat or expose the battery in fire.
- ❼ Insert the battery in proper direction according to the (+) and (-) poles.
- ❽ Store the battery in a place where children cannot reach to avoid risk of accident.

## Remote Control

### ■ Button and Function



**Note:** Remote picture just for conference.

- ① [PWR] Button: Power
- [REC/Sub-T] Button: Transfer recording/Language switch
- [MUTE] Button: Mute
- [SRC] Button: Play source switch

- ② [BAND/RDM] Button: Band switch/Play randomly
- [APS/PRG] Button: Scan/Program
- [ST/RPT] Button: Stereo switch/Repeat
- ③ [▶||] Button: Play/Pause
- [■] Button: Stop
- [Setup] Button: Menu setting
- [Title] Button: Title Menu
- [ENTER] Button: Play/Confirm
- [▲][▼][◀][▶] Button: Up/down/left/right button
- ④ [📞] Button: Ring on
- [OSD/Id3] Button: Screen Display/Id3 information
- [📞] Button: Ring off
- ⑤ [0~9] Button: 0~9
- [GOTO] Button: GOTO search
- [RO/SN] Button: Radio scan
- ⑥ [AF] Button: Search stations automatically
- [TA] Button: Traffic broadcast
- [PTY] Button: Program style
- ⑦ [▶▶] Button: Forward/Next chapter
- [◀◀] Button: Rewind/Last chapter
- [+/-] Button: Increase/reduce volume
- [SEL] Button: System setting
- [CLK] Button: Clock display
- [EQ] Button: Sound effect
- [N.P/ANGLE] Button: Video switch/Angle Adjustment
- [R.L/LANGUAGE] Button: Left/right sound track switch dialogue language.

**Note:** This unit doesn't have RDS function, AF/TA/PTY neither.  
This unit doesn't have bluetooth function, [📞]/[📞] neither.

## Basic Operation

### SRC

Press [SRC] button shortly will turn the unit on.  
Press [SRC] button shortly turn off.

### Volume

#### Increasing Volume:

- Press the [VOL+] button can increase the volume.

#### Decreasing Volume:

- Press the [VOL-] button can decrease the volume

### MUTE

Press this button to turn off volume and again to resume.

### Eject

**EJECT:** Press [▲] to exit the disc.

**NOTE:** About 10 seconds after the disc ejected, if not taken out, the disc will be absorbed in again.

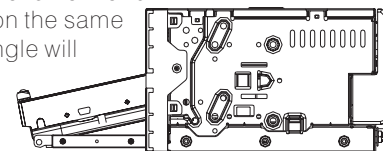
### OPEN

Press [OPEN] button, the screen will turn down, press again, it will back to originality.

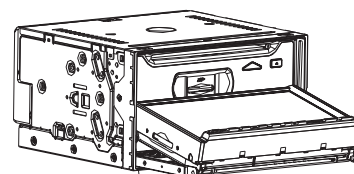
### Display position adjustment

#### • Press [ADJ] button can adjust angle of screen:

Press [ADJ] button repeatedly can adjust the screen angle gradually. The unit has 3 angles for adjustment. Each time you press the button, the screen will move from one angle to another angle on the same direction. The screen angle will move on the opposite direction if you operate it again.



- Turn on the unit again, the angle will back to original setting.



Adjust Angle

#### ▲ CAUTION

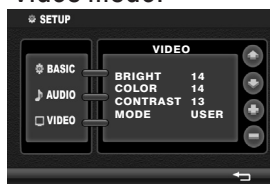
- Do not place any object on the screen, or push it rudely.
- Do not move the screen rudely.
- The movable range of the screen may be limited to different types of car and install positions, etc.

## Setup Operation

### SETUP

Enter the main menu, touch the setup button will display:

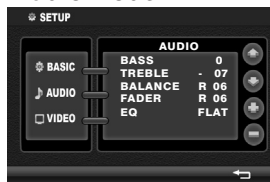
#### Video mode:



#### Menu operation

Touch [▲]/[▼] to choose menu.  
Touch [←]/[→] to adjust parameter.  
Touch [⏪] to back main menu.

#### Audio mode:



#### Menu operation

Touch [▲]/[▼] to choose menu.  
Touch [←]/[→] to adjust parameter.  
Touch [⏪] to back main menu.

#### Basic mode:



#### Menu operation

Touch [▲]/[▼] to choose menu.  
Touch [←]/[→] to adjust parameter.  
Touch [⏪] to back main menu.

#### Video setup

- Bright, Color, Contrast.

- Mode



#### Audio setup

- Audio setup: Bass, Treble, Balance, Fader setup between  $\pm 7$ .

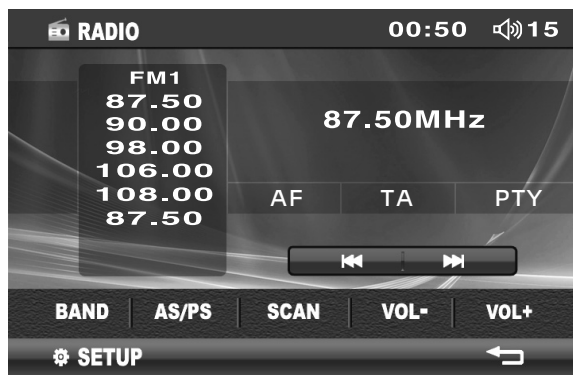
- EQ setting:



#### Basic setup

- Loud: ON and OFF
- Beep: ON and OFF
- Time Adjust: press [▲] or [▼] button to select hour/minute then press [←] or [→] button to setup.

## Radio Operation



**Note:** If the unit doesn't have RDS function, the touch-screen won't show "AF, TA and PTY".

### BAND

Press [BAND] on the screen to select among three FM or two AM bands. (FM1-FM2-FM3-AM1-AM2)



### Band Tune

#### Manually Tune

- Press [▶▶] button: adjust to higher frequency. (such as 87.5, 87.55...)
- Press [◀◀] button: adjust to lower frequency. (such as 105.5, 105.0...)

#### Automatically Tune

- Holding down the [▶▶] button: search higher frequency station, and will stop when meeting one.
- Holding down the [◀◀] button: search lower frequency station, and will stop when meeting one.

### Select station

#### Press [APS] icon

- Seek Tune:  
Under radio playing mode, long touch [APS] icon can seek and store strong frequency stations automatically.

## Radio Operation

### AF(Alternative Frequency)

- Turn "AF", the unit will switch to the stronger signal of the same station automatically.

### TA(Traffic announcement)

- Press TA, the unit will prior to seek the traffic information. If the machine receives the traffic information, it will choose this signal and quit other radio signal or CD program. If press TA again, other program will recover and the traffic information program will quit.

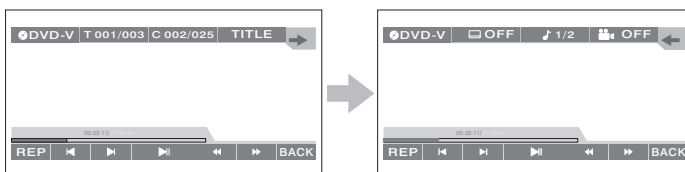
### PTY(Program type)

- Turn on "PTY" , then press "PTY" and 1-6 buttons to choose one certain program style . After this, the unit will scan the same style programs automatically. Such as select News programs. The unit will only scan News programs. Among AF, TA and PTY, TA has the absolute priority to be chosen.

**Note:** If the unit is without RDS function, pls skip this page.

## Play operation

Insert DVD disc, touchscreen will show menu as follows:



**Note:** Because the different situation of Disc REC, some of the CD-R, CD-RW, DVD-R, DVD-RW, DVD+R, DVD+RW Disc may can not be readed. And the Disc without final treatment can not be readed too. Regarding the final treatment, please make conference to the guide of REC set or REC manual.

### TITLE

**TITLE:** In play mode, press [TITLE] on the screen or remote control to back to the title menu, and re-select the items needed.

### REP

**Repeat mode:** When playing DVD, press [REP], you can switch on CHAPTER/OFF/TITLE/CANCEL.

### BACK

**Back to Multimedia:** When playing DVD, press [BACK], it will back to player media.



★ You can choose any icon to play or setup.

### Caption choose (OFF)

**Caption choose:** If DVD contain several language you can switch caption.

**Note:** when play DVD not have multi caption this function invalidation.

### Choose angle (OFF)

**Choose angle:** If DVD support multi angle function, touch [OFF] or press [ANGLE] icon or remote, you can switch different angle.

**Note:** when play DVD not have multi angle, this function invalidation.

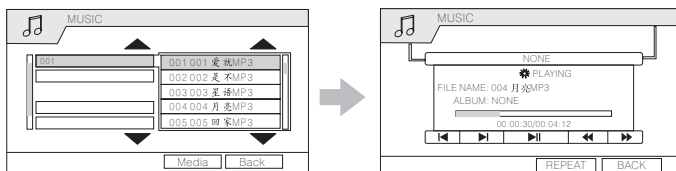
### Volume Control (1/3)

**Volume control:** Touch [1/3], can switch, between 1, have volume and music; 2, not have volume but have music; 3, volume and music separate.

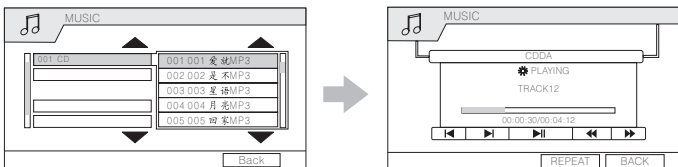
**Note:** general DVD only have two mode.

## Play operation

Insert MP3 disc, touchscreen will show menu as follows:



Insert CD disc, touchscreen will show menu as follows:



- In this menu, the menu on the right side is the sub-menu. You can press [▲][▼] to button to select the file and items you like.



**Chapter choose:** When play CD/MP3, press [◀] to choose the pre music, press [▶] to next music.



**Play/pause:** Press [▶] button to play or pause.

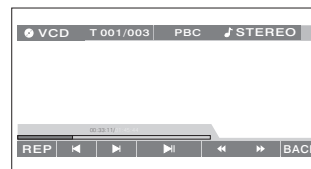


**Select chapter or section:** In the DVD mode, press [◀] to choose the last chapter; press [▶] to choose the next chapter.

### REPEAT

**Repeat mode:** When playing DVD, press [REP], you can switch on TRACK/OFF/FOLDER/ALL.

Insert VCD disc, touchscreen will show menu as follows:



### PBC

**PBC menu:** when playing VCD, press [PBC], you can switch between ON/OFF/CANCEL.

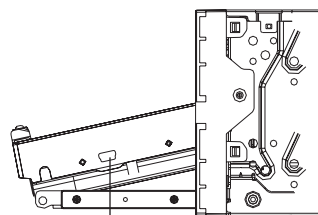
### REP

**Repeat mode:** when playing VCD, press [REP], you can switch between TRACK/OFF/ALL/CANCEL.

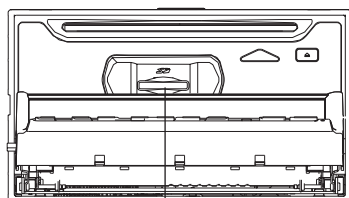
### Track switch

**Track switch:** you can switch STEREO/LEFT/RIGHT by touch the right up letter.

## USB/SD operation



USB



SD

### USB/SD mode

#### USB/SD mode

- Inset USB/SD, the play will to the USB/SD playing mode automatically.

### USB/SD play operation

#### PLAY/PAUSE:

- Press [▶||] button to play or pause.

#### ▶|, |◀ Select:

- Under USB or SD play mode, press [▶| |◀] button to select tracks.

#### Repeat mode:

- When playing, you can switch the function by touch [REPEAT].

CHAPTER

OFF

TITLE

CANCEL

**Note:** when playing, press [BAND] to radio mode.

## Bluetooth

The Bluetooth is wireless mode of transmission in short distance. Through Bluetooth function, the DVD unit establishes connection with Bluetooth handset. And then, these units can realize mutually controlling and file transferring.

### BT Choose

#### BT Choose:

Press [BT] or touch BT icon, can enter BT mode when calling.

### Working mode of Bluetooth

Bluetooth has the following functions:

#### A: Pairing

Make DVD Bluetooth function as handset's facility through pairing.

#### B: Connecting

After connecting with the handset, you can operate the mobile phone through DVD unit (such as H,F, call, call record etc.)

### Pairing

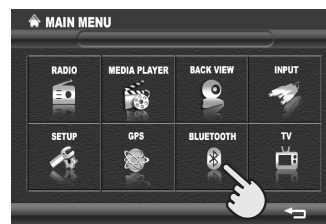
Phone set pairing step as follows:

A: Turn on Bluetooth, then touch On/Off icon to turn on this function. (NO.2)

B: Turn on handset's Bluetooth function.

C: When the mobile phone set finds the signal, input pairing number. Initial Pairing Code No. "0000"

D: After pairing, TFT screen shows pairing succeed and quit the pairing.



(NO.1)



(NO.2)

## Bluetooth

### Mobile phone

After connected, you can make phone call through, touch screen or phone record.

A: Making mobile phone call  
After making phone call, the [📞] will shining.

B: Making touch screen call  
Input the numbers on the screen, press [←] icon can correct the numbers;

Press [📞] icon to answer phone call;

Press [📞] icon to cancel or hang up.



### Answering

Answering functions as follows:

A: After connected, the unit can use the telephone function.

B: When there is a phone call, the Bluetooth will switch to phone function and show the calling number automatically.

C: Touch Transfer icon can switch to phone answer mode.  
Touch it again can return to Bluetooth function of the unit.



### Hang up

You can press the [📞] button to hang up.



**Note:** If the unit does not have this function, pls skip it.  
Some models of mobile phones are not supported by the Bluetooth module of this unit.

## TV tuner

### TV operation

You need install TV antenna, when receive program.

#### TV mode:

- Press [MENU] enter into main menu, then press TV icon to enter.



#### Channel seek:

- Press [AMS] can seek TV programs and restore them automatically.

#### Channel choose:

- [PREV]: choose channel up.  
[NEXT]: choose channel down.

#### Back:

- [ESC]: prss [ESC] back TV mode to main menu.

Without touch function, without these icons.



Note: If the unit does not have this function, please skip this page.

## GPS Navigation

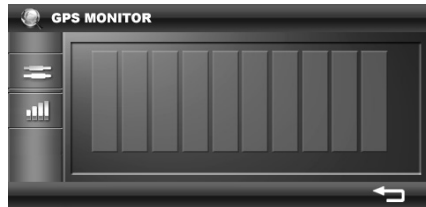
### Enter Navigation

#### Enter Navigation menu:

- Insert the SD card with map, touch [GPS] icon or press [NAVI], enter Navigation menu, as follows:

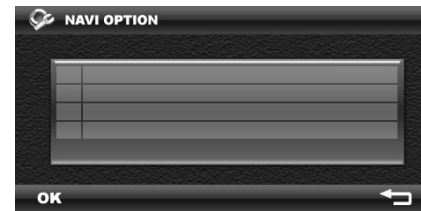


- Press [GPS] icon, it will show picture as follows, satellite Navigation, histogram.






- [Satellite icon]: show the satellite signal process data.
- [Signal strength icon]: show satellite signal histogram.

- Press [Navi Option icon] can set the Navigation path.



## Accessories

	External view ..... Number of items		External view ..... Number of items		
①	 .....	1	②	 .....	1
③	 .....	2			



The use of any accessories except of those provided might result in damage to the unit .Make sure only to use the accessories shipped with the unit ,as shown above.

## Troubleshooting

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What appears to be trouble is not always serious. Please check the following points before calling a service center.

### Familiar characters and their meanings

Characters	Causes	Remedies
NO Disc	Disc is too dirty.	Clean the disc or change the disc.
	Disc is inserted upside down.	Insert the disc correctly.
	No disc in the unit.	Insert a disc.
Bad Disc	Disc is extreme dirty.	Clean the disc or change the disc.
	Disc is inserted upside down.	Insert the disc correctly.
Unkown Disc	The disc is not compatible with the unit.	Clean the disc.
Region Error	The disc's region code is not the same as the unit's.	Clean the disc.

## Troubleshooting

### General problems

Symptoms	Causes	Remedies
The unit cannot be powered on.	The fuse of the unit has been broken.	Install a new fuse with correct rating.
	The fuse of car battery has been broken.	Install a new fuse with correct rating.
	False operations and etc.	Reset the unit.
Remote controller does not work.	Battery has been exhausted.	Change the battery.
	Battery is not installed correctly.	Install the battery correctly.
No sound comes out or it's hard to hear.	Audio output connection is not correct.	Correct the connection according to(Electrical Connections Overall Diagram).
	The volume level is set to the minimum level.	Adjust the volume to the optimum level.
	The speakers have been damagedl.	Check the speakers.
	The audio channel outputs are not balanced.	Adjust the balance of audio channel outputs. Please refer to (Audio control).
	The speaker cord is contacted with the bodywork.	Use insulating cord for connection.
Poor sound quality or sound distortion.	Piratic disc is used.	Use original copy disc.
	The speakers power rating does not fit into the unit output power.	Change the speakers.
	The speakers are connected incorrectly.,	Correct the connection according to(Electrical Connections Overall Diagram).
	The speaker cord is contacted with the bodywork.	Use insulating cord for connection.
User preset information is lost when ACC is off.	ACC and BATT are connected incorrectly.	Correct the connection according to(Electrical Connections Overall Diagram).

## Troubleshooting

### TFT Monitor

Symptoms	Causes	Remedies
No image appears on the monitor and warning information is shown at all times.	Incorrect connection of Breaking wire.	Correct the connection according to (Electrical Connections Overall Diagram).
Abnormal display like as pulsatile stripes on the image and on.	The color system of DVD disc is not suited with the monitor.	Adjust the color system of the DVD disc or the monitor.
	The actual color system is not the same as the marked color system on the label for some piratic discs.	Use original copy disc.
	The video cord is broken.	Change the video cord.
	The video cord is not connected correctly.	Connect the video cord correctly.
Characters are abnormal.	False operations.	Turn off the power and then turn on the power again, or change to other playing source and then go back.

## Troubleshooting

### Radio Tuner

Symptoms	Causes	Remedies
It's hard to receive stations.	Auto antenna is not extended completely.	Correct the connection according to (Electrical Connections Overall Diagram).
	Auto antenna is not connected with the unit firmly.	Correct the connection according to (Electrical Connections Overall Diagram).
	LOCAL function is on.	Close the LOCAL function.

### Mp3 playback

Symptoms	Causes	Remedies
Disc cannot be played back.	Disc is scratched.	Change the disc.
	Disc is too dirty or wet.	Clean the disc.
	The pickup is dirty.	Clean the pickup with cleaning disc.
	Disc is inserted upside down.	Insert the disc correctly.
Interruption occurred during playback.	Disc is scratched.	Change the disc.
	Disc is too dirty or wet.	Clean the disc.
	Some contents are damaged.	Change the disc.
	Disc is not recorded correctly.	Record the disc again.
MP3's name cannot be displayed correctly.	The name of Mp3 is not regular.	Use the regular characters.

## Troubleshooting

### DVD player

Symptoms	Causes	Remedies
Disc cannot be inserted.	There is a disc in the unit already.	Eject the disc then insert another one.
Disc cannot be played back.	Disc is scratched.	Change the disc.
	Disc is too dirty or wet.	Clean the disc.
	The pickup is dirty.	Clean the pickup with cleaning disc.
	Disc is not compatible with the unit.	Change the disc.
	Parental lock class is too high.	Change the parental lock class.
	Disc is inserted up side down..	Insert the disc correctly.
	The disc 's region code is not the same as the unit 's.	Change the disc.
Subtitle cannot be shown.	There is no subtitle file in the disc.	Change another disc containing subtitle files.
Audio language/subtitle cannot be changed.	There is only one audio language/subtitle in the disc.	Change another disc containing multi-language audio or subtitle.
View angle cannot be changed.	There is just one view angle in the disc.	Change another disc containing multi-angle.
	Multi-angle view is not available for the segment playing back now.	Select another segment to play back.
Image distortion.	The disc is protected by the copyright.	The unit is compatible with copy system; hence some discs contained the information of copying prohibited cannot be played back.
PBC is invalid when playing back VCD.	The disc does not support PBC.	Change another disc with PBC function.
Repeat playback or GOTO search is invalid when playing back VCD.	PBC is on..	Close PBC function.

## Specifications

Specifications subject to change without notice.

### Monitor sector

TFT screen size.....7.0"  
Dot distance.....0.107\*0.370mm  
Analysis.....1440\*234 dots  
Background illuminatio.....LED

### DVD sector

D/A convert.....24 Bit  
Decode.....linearity PCM/Dolby digital/MP3/WMA  
Quiver and shake.....less than measure limit  
Frequency effect  
(sample frequency;96k).....20~44.000Hz  
(sample frequency;48k).....20~22.000Hz  
(sample frequency;44.1k).....20~20.000Hz  
Distortion (1K) .....0.010%  
Signal/Noise radio.....100db(DVD 96k)  
Dynamic range.....100db(DVD 96k)  
CD format.....DVD-Video/Video-CD/CD-DA  
Sample frequency.....44.1KHz,96KHz  
Ration Bit number.....16/20/24 Bit

### Audio sector

largest power.....45WX4  
Audio  
Low.....100Hk±10db  
Middle.....1Hk±10db  
High.....100Hk±10db

### Common

Operating power.....14.4V(11V~16V)  
Electricity consume.....10A  
Stand-by electricity.....≤10MA  
Dimensions.....198mmX178mmX104mm  
Working temperature range.....-10°C-60°C  
Store temperature range.....-20°C-85°C  
Weight.....2.9 Kg

## **Specifications**

Specifications subject to change without notice.

### **RECEIVING FREQUENCY FIGURE**

<b>AREA</b>	<b>BAND</b>	<b>FREQUENCY RANGE (HZ)</b>	<b>Auto Stepping (KHZ)</b>	<b>Tiny Stepping (KHZ)</b>
EUROPE	FM	87.5-108.0M	100	50
	AM	522-1620K	9	9
AMERICA	FM	87.5-107.9M	200	200
	AM	530-1710K	10	10
SOUTH AMERICA	FM	87.5-108.0M	100	100
	AM	520-1620K	10	10
RUSSIA	FM1、2	87.5-108.0M	100	50
	FM 3	65.0-74.0M	30	30
	AM	522-1620K	9	9

# **OWNER'S MANUAL**

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Before installation and operating the unit please read  
this manual thoroughly and retain  
it for future reference