

car audio entertainment

**MACROM**

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**MACROM**



**M-DVD5561R**  
DVD RECEIVER 6.2" DISPLAY

OWNER'S MANUAL

English

## 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 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 the core mechanism.
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 on the screen.
10. During operating the unit, “ ⊗ ” will display if the current 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.

## Declarations

**Manufactured under license from Dolby Laboratories.**

**Dolby Digital:**

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**Notice:**

The picture of manual is for reference only, and may be different from that in real unit.  
Reference to real unit is suggested.

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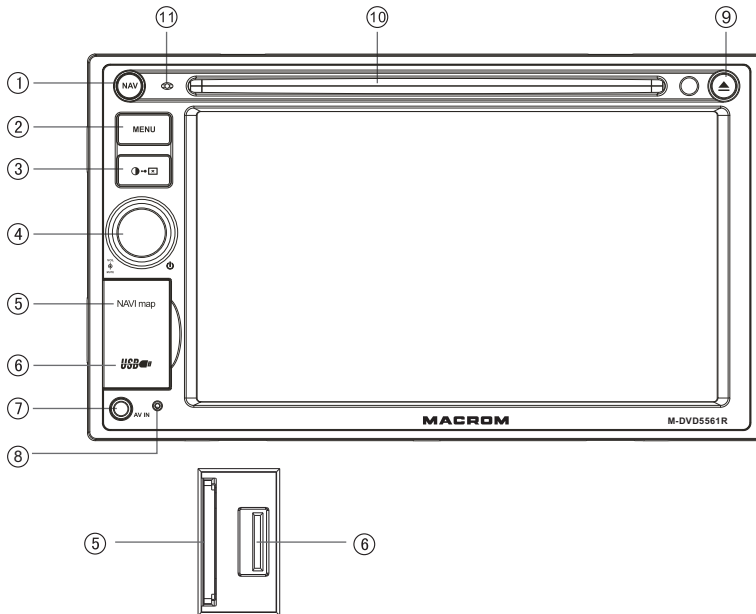
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## Before using

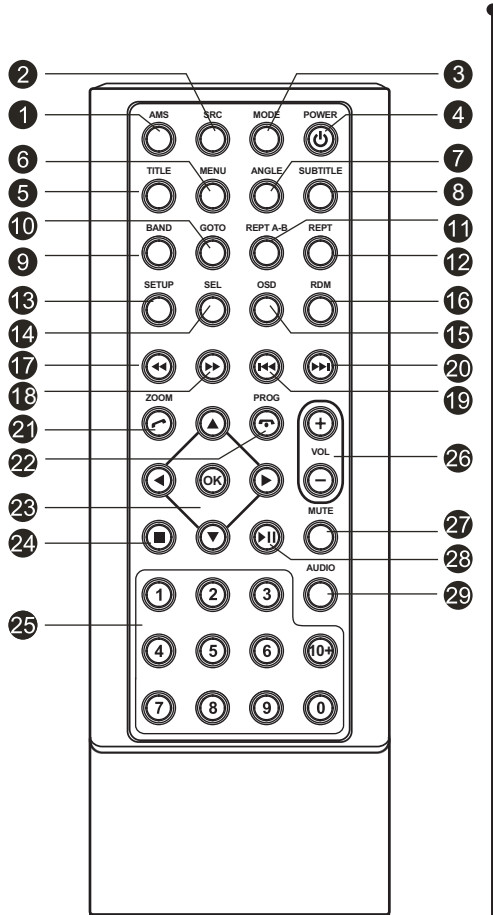
### Front panel



1. [NAV] key: Enter the GPS navigation system or exit
2. [MENU] key: Return to the home menu
3. [ ] key: Turn on/off the screen brightness and enter the nighttime mode
4. [ ] knob: adjust volume  
Turn mute on/off(short press)  
Turn the unit on or off(long press)
5. Open the cover and insert/remove the GPS map card
6. USB slot
7. AV jack
8. [Reset] key: Reset the unit
9. [ ] key: Eject disc
10. Disc slot
11. Built-in microphone

# Before using

## Remote Control



- 1 — Radio preset scan/Radio auto preset
- 2 — Select the following sources:  
RADIO  
DISC  
GPS  
iPod  
USB  
B-T  
DVB-T  
AUX1  
AUX2
- 3 — Switch to the current playback source and the main menu(DVD)
- 4 — Power on/off
- 5 — Select the title of DVD
- 6 — Main menu(DVD)
- 7 — Select angle
- 8 — Select subtitle
- 9 — Radio band
- 10 — Search and play
- 11 — Repeat A-B
- 12 — Repeat
- 13 — Enter to the system setup
- 14 — Enter the EQ setting
- 15 — On screen display
- 16 — Track random play(DVD)
- 17 — Fast rewind
- 18 — Fast forward
- 19 — Previous(DVD)  
Short press: Seek down(RADIO)  
Long press: Seek down with 100KHz step
- 20 — Next(DVD)  
Short press: Seek up  
Long press: Seek up with 100KHz step (RADIO)
- 21 — Zoom  
Dial / Receive call
- 22 — Call off / cancel
- 23 — Up/down/left/right selection  
Enter (OK key)
- 24 — Stop
- 25 — Numerical key area
- 26 — Adjust volume
- 27 — Mute
- 28 — Play/Stop
- 29 — DVD audio  
VCD audio L/R/S

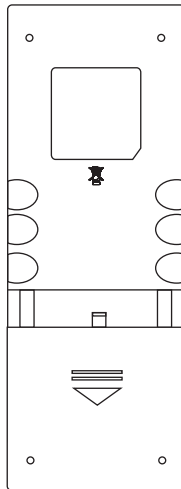
## Before using

### Notes of remote control using

- 1) Aim the remote control at the remote sensor on the unit.
- 2) Remove the battery from the remote control or insert a battery insulator if the battery has not been used for a month or longer.
- 3) DO NOT store the remote control under direct sunlight or in high temperature environment, or it may not function properly.
- 4) The battery can work for 6 months under normal condition. If the remote control can't work, please change the battery.
- 5) Use "button shaped" lithium battery "CR2025" (3V) only.
- 6) DO NOT recharge, disassemble, heat or expose the battery in fire.
- 7) Insert the battery in proper direction according to the (+) and (-) poles.
- 8) Store the battery in a place where children cannot reach to avoid the risk of accident.

### Uninstall Battery

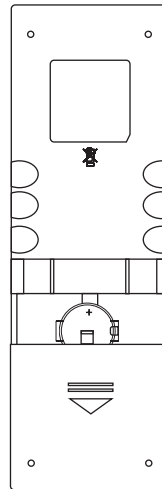
Slide out the battery compartment tray at the bottom on the back of the remote control.



 PULL OUT

### Install Battery

Use button-shaped lithium battery "CR2025 (3V)" only. Insert the battery to the battery tray with proper direction according to the (+) and (-) poles.



PUSH IN 



## Basic operations

### • Power on/off

Turn on : short-press [⏻] knob in the front panel or [POWER] in the remote control;

Turn off: after being turned off by long-pressing [⏻] in the front panel.

### • MUTE

Short-press [VOL MUTE] knob in the front panel or [MUTE] key in the remote control, to shut the audio output from system.

*Notice:*

(1) If it was muted already, repeat the former action or tune volume to cancel the former muting.

(2) [MUTE ON] or [MUTE OFF] will be displayed in the up right corner in the TFT, when the audio is muted or not.

### • Adjust the volume

Rotate the volume knob in the front panel, or short-press the in the remote control repeatedly, to adjust the system volume between 0 and 39.

### • Main Menu/Source menu and selection

Main menu

Enter main menu after system turning-on, or after pressing [MODE] in the remote control ;

Display and choose the playing source

1. Press the source you want to play in the user interface, while the main menu is being displayed.
2. Press [←]、[→] below main menu, or slide horizontally in the empty area in the user interface, switch between pages to choose playing source.
3. Press [MENU] in the front panel or press [SRC] on remote control, to switch among different sources.

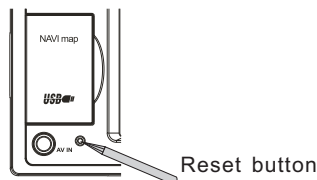
*Notices:*

(1) Playing Source refers to unit's working mode, such as DVD, Radio or BT, etc.

(2) To some external device, its working mode is inaccessible if the device is not connected well.

### • Reset the unit

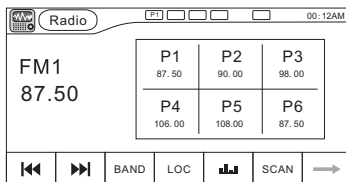
If the unit can not work correctly, reset the unit by pressing [RESET] in the front panel, with something which has slim and sharp tip. All the settings in the setup menu will be reset to default values.



## Radio mode

- **Select Radio mode**

Enter Main Menu and choose [RADIO] mode.



- **Select band**

Press [BAND] in the remote control, [FM/AM] in the front panel or [BAND] in the user interface, to choose a band among FM1, FM2, FM3, AM1 and AM2.

- **Auto tuning**

Short press [◀◀] / [▶▶] in the front panel, searching for a station along the reduce/increasing frequencies.

Long press the [◀◀] / [▶▶], searching for a station along the reduce/increasing frequencies one by one.

*Notice: When a station is received, searching stops and the station is played.*

- **Manual tuning**

During manual tuning, long-press the [▶▶] on the user interface and the frequency to tune in a higher station, long-press the [◀◀] on the user interface and the frequency to tune in a lower station.

- **Auto save**

Short-press the [SCAN] icon and auto scan among P1-P6 station, when a station is received and the played for 5 seconds.

*Notice:*

*After auto saving, the previous saved stations will be overwritten.*

*The unit has 5 bands, such as FM1, FM2, FM3, AM1, AM2, and each band can store 6 stations; hence the unit can store 30 stations in all.*

- **Manual save**

When one expected radio station has been detected, long-press the anyone icon P1-P6 on the user interface and store the corresponding location.

*Notice: When the manual saving, will cover with the lasted station.*

- **Local seeking**

Press the [LOC] icon and choose the [LOCAL] / [DISTANCE].

When the local radio station searching is [DISTANCE], only stations with sufficient signal strength will be detected.

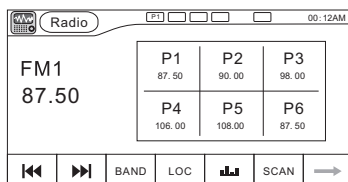
## Radio mode

- **EQ selection**

Press the  icon and enter the EQ setup.

- **Recall the preset stations**

When you want to listen the store station, select the P1-P6 on the list and fleetly listen to the station.



## RDS mode

The unit provides basic functions of RDS, including AF (Alternative Frequency), TA (Traffic Announcement) and PTY (Program Type) Selection.

### AF function

Alternative Frequencies Lists are used for the same program service and used in conjunction with the PI code (Program Identification code) to assist automatic tuning. Using this information, a radio can automatically search out another station that is playing the same material. This is useful when the station you are listening to is fading out.

To activate AF function, touch the [AF] button on the user interface.

To cancel this function, do the operation above again.

**Note:**

*During auto switching radio frequency, some interference could be heard. Turning off AF function can settle this problem.*

### TA function

The TA (Traffic Announcement flag) function lets the unit receive traffic announcements automatically no matter what media source is playing back. The TA function can be activated by a TP (Traffic Program) station broadcasting traffic information.

When TA is activated and a traffic announcement is received, the current playing source will be overridden by the traffic announcement if the current radio band is FM, indicating that the unit is waiting for traffic announcements.

The unit returns to the original source after the traffic announcement has been received.

To activate TA function, touch the [TA] button on the user interface.

To cancel this function, do the operation above again.

### PTY function

PTY is the abbreviation for Program Type which is a code defining the type of program being broadcast (e.g. News or Rock).

Ten PTY options will display on the screen. To view more PTY options, touch the scroll bar and arrows on the screen.

When one PTY option is touched (e.g. News), auto search for next available PTY by increasing tuning frequency until the PTY of the next station matches the current. If no matched PTY has been found, the unit will return to the original radio frequency.

## DVD mode


### • Insert a disc

Upon inserting a disc, the unit will switch to [DISC] mode automatically.

Notes:

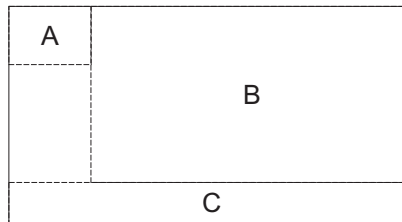
- ① Please confirm whether there is a disc in the unit before you insert another one.
- ② Some recorded discs, such as CD-R, CD-RW, DVD-R, DVD+R, DVD-RW, DVD+RW cannot be played back because of different recording status. Otherwise, the discs without being closed could not be played back.
- ③ About the cautions of disc using, please refer to the appendix.
- ④ Don't pledge to support all kinds of disc.

### Eject the disc

Press the  key on the front panel to eject the disc. When the disc is ejected, the unit switches to the previous source, if connected. Otherwise, the unit switches to [Radio] mode automatically.

### Touch screen controls










The touch key areas for DVD playback are outlined below.



- A: Return the last menu
- B: Play the video and display playback information
- C: Display onscreen control menu


## DVD mode

- Onscreen control icons

Disc type Icon	MP3/WMA	CD	VCD	DVD	Picture
	Numeric keypad	Numeric keypad	Numeric keypad	Numeric keypad	Numeric keypad
	Display Setting	Display Setting	Display Setting	Display Setting	Display Setting
	Fast forward	Fast forward	Fast forward	Fast forward	/
	Fast rewind	Fast rewind	Fast rewind	Fast rewind	/
	Previous	Previous	Previous	last content	last picture
	Next	Next	Next	Next content	Next picture
	Play/Pause	Play/Pause	Play/Pause	Play/Pause	Play/Pause
	Stop	Stop	Stop	Stop	Stop
	Repeat	Repeat	Repeat	Repeat	Repeat
RPT A-B	/	/	Segment repeat	Segment repeat	/
SUBTITLE	/	/	/	Subtitle Language	/
TITLE	/	/	/	DVD TITLE	/
SETUP	/	/	SETUP	SETUP	/

## DVD mode

Continued

Disc type Icon	MP3/WMA	CD	VCD	DVD	Picture (picture in disc can't be read)
MENU	/	/	PBC	MENU PLAY	/
ZOOM	/	/	ZOOM	ZOOM	ZOOM
ANGLE	/	/	/	ANGLE	/
OSD	/	/		display playback information	/
AUDIO	/	/	Channel switching	Channel switching	/
MUSIC	Music file	/	/	/	/
PHOTO	Picture file	/	/	/	Picture file
VIDEO	Vedio file	/	/	/	/
	/	Random	/	/	/

*Notice:*


*“return the last menu” icon is always on the fixed position,  
but may turn different flash and icon at different source.*

## DVD mode

- **Play**



Insert the disc into the disc slot with label side facing up and play starts automatically.



- **Pause**

When play the audio/video file, press the  to stop and the top left corner of screen shows [stop ■], press the icon again and continue to play.



- **Stop**



For audio files,

press the  icon to stop, and the screen will display [PRE ▶■] on the upper left corner. Press  to resume from the pausing point.

Press the  icon again to stop entirely, and the screen will display [STOP ■] on the upper left corner. Press  to playback from the top file.


For video files,

press the  icon to stop, and the screen will display a [PRE ▶■] on the upper left corner. Press  to resume from the pausing point.



Press the  icon again to stop entirely, and the screen will display a [STOP ■] on the upper left corner. Press  to playback from the top file.

- **Fast rewind/Fast forward**

Short press the  to fast rewind (x2, x4, x8, x16, x20);

Short press the  to fast forward (x2, x4, x8, x16, x20).

- **Play the next or previous file**

Press  to select the previous file, and press  to select the next file.

- **Repeat playback**

Press the  to switch the repeat modes as below:

DISC Style	REPEAT MODE
DVD	CHAPTER → TITLE → REP ALL → OFF
VCD (PBC OFF)	REP 1 → REP ALL → OFF
CD	REP 1 → REP ALL → OFF
MP3/WMA	REP 1 → REP DIR → REP ALL → OFF
MPEG	REP 1 → REP DIR → REP ALL → OFF
PICTURE	REP 1 → REP DIR → REP ALL → OFF

*Notice: When play the VCD disc, open the [PBC] function and the [repeat] function is abate.*



## DVD mode


- **Repeat A-B**


When a DVD, VCD or CD disc is played back, you can play back the contents between the time points from A to B repeatedly:


REPEAT A- → REPEAT B- → A-B CANCEL

- **Random playback**

You can play audio tracks/files in random order.

During play CD, touch  repeatedly to turn random play on or off.



 is highlighted: start random play

 turns gray: cancel random play


*Notice: when the [random] turn off, the unit resume natural play from the current sequence.*

- **DVD menu/title**

This function is only available for the DVD discs having "MENU / TITLE".

In full screen playing of DVD disc, touch anywhere except for the upper left corner to display menu on the screen, touch the  icon and enter the DVD control menu interface, touch the  icon and enter the TITLE control menu interface.

- **Select audio channel**


For DVD containing multi-language audio files, press the  icon on the remote control repeatedly or open the onscreen control icons menu and then touch the [AUDIO] icon repeatedly to change dialogue language.

1 ENGLISH 5.1CH

2 ENGLISH 2CH

3 FRENCH 5.1CH

- **Select subtitle language**

Press the [SUBTITLE] key on the remote control repeatedly or open the onscreen control icons menu and then touch the  icon repeatedly to choose a subtitle language.

- **PBC function**

This function is available for the VCD discs with PBC function (Ver 2.0 or higher).

Press the [MENU] key on the remote control to activate this function.

Press again to cancel.

*Notes:*

- ① When PBC is on, playback goes back to the track list and starts from the first track.
- ② When PBC is on, fast motion playback, slow motion playback or skip search is available but repeat playback and searching for a particular chapter or track is prohibited.
- ③ If you do the operation of random playback, scan playback or searching playback when PBC is on, PBC will be off automatically.

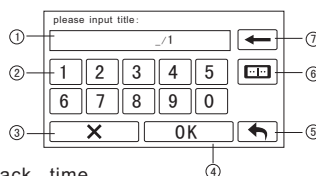
## DVD mode

### • Select a particular file

During playing the DVD disc, touch anywhere except for the upper left corner to display menu on the screen.

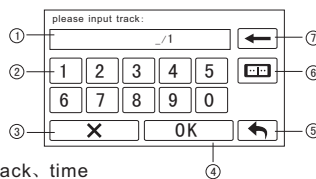
For DVD, touch the  icon to display information and shown as below:

- ① — input area
- ② — choose area of the track and number
- ③ — delete the input track and number
- ④ — affirm the input track and number
- ⑤ — exit the setup interface
- ⑥ — display the informaion of searching : title、 track、 time
- ⑦ — delete the input track and number step by step



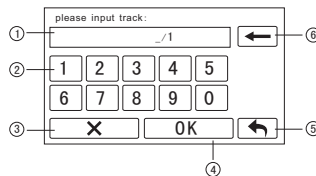
For VCD, touch the  icon to display information and shown as below:

- ① — input area
- ② — choose area of the track and number
- ③ — delete the input track and number
- ④ — affirm the input track and number
- ⑤ — exit the setup interface
- ⑥ — display the informaion of searching : title、 track、 time
- ⑦ — delete the input track and number step by step



For CD, touch the  icon to display information and shown as below:

- ① — input area
- ② — choose area of the track and number
- ③ — delete the input track and number
- ④ — affirm the input track and number
- ⑤ — exit the setup interface
- ⑥ — delete the input track and number step by step



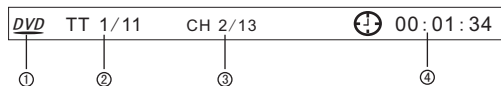
## DVD mode

### • Playback information

Touch the top center area of TFT LCD when playing back DVD and VCD discs and the playback information will be displayed on the top area of the TFT.

*Notice: Only when open the [OSD] mode.*

#### 1、 For DVD:



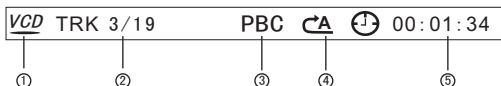
- (1) Disc type.
- (2) DVD Title information. "1/11" indicates that this DVD has 11 titles and the title playing back now is the first title.
- (3) DVD Chapter information. "2/13" indicates that current title has 13 chapters and the chapter playing back now is the second chapter.
- (4) Elapsed time of the current title.

#### 2、 For CD:



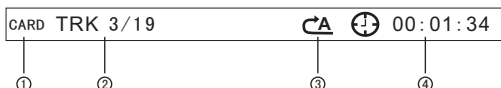
- (1) Disc type
- (2) CD Title information. "3/19" indicates that this DVD has 19 titles and the title playing back now is the third title.
- (3) The setup of repeat playing
- (4) Elapsed time of the current title.

#### 3、 For VCD:



- (1) Disc type.
- (2) VCD Title information. "3/19" indicates that this DVD has 19 titles and the title playing back now is the third title.
- (3) PBC display.
- (4) The setup of repeat playing
- (5) Elapsed time of the current title.

#### 4、 For USB:



- (1) Device type
- (2) USB title information. "3/19" indicates that this DVD has 19 titles and the title playing back now is the third title.
- (3) The setup of repeat playing
- (4) Elapsed time of the current title.

## USB mode

Open the source menu and then select [USB] mode.

*Notice:*

*1. If there are audio files supported in the USB stick, the system will enter the audio files menu automatically.*

*If there are no audio files, but there are video files supported in the USB stick, the system will enter the video files menu automatically.*

*If there are no audio or video files, but there are picture files supported in the USB stick, the system will enter the picture files menu automatically.*




*If there are no above audio/video/picture files supported in the USB stick, the screen will display: There are no audio/video/picture files supported.*




*2. Not all kinds of USB devices are compatible with the unit.*

### • Onscreen control icons

Audio/video/picture files mode are the same as disc mode.

### • Pause



For audio files, press the  icon to pause, and the screen will display a [pause ] icon on the upper left corner. Press  again to resume.

For video files full screen playing back, press anywhere of the screen, the screen will display a control menu, press  to pause, and the screen will display a [pause ] icon on the upper left corner. Press  again to resume.

### • Stop

Audio/video/picture files mode is the same as DISC mode.

### • Fast forward/reverse

Except in the full screen mode, long press  to fast forward, and long press  to fast reverse.

### • Play the next or previous file

Audio/video/picture files mode is the same as disc mode.

### • Repeat playback

Audio/video/picture files mode is the same as disc mode.

### • Random playback

Audio/video/picture files mode is the same as disc mode.

### • Zoom in /out

During picture playing back, press [ ZOOM ] to zoom the picture.

## USB mode


- **Playback information display**

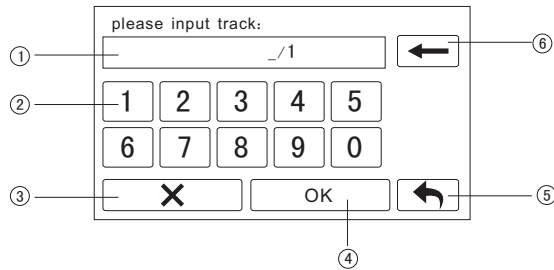
In the video full screen mode, press the [KEY] icon under the screen, the display control menu will appear. Press the [ OSD ] icon to select the playing back information display on the upper of screen.

- **Rotate picture**

Press anywhere on the screen except the upper left corner, the display control menu will appear. Press the [ ANGLE] icon to select you desired angle to view.

- **Search for a particular file**

In the full screen mode, press anywhere on the screen except the upper left corner, the display control menu will appear. Press the  to select you desired file. Shown as below:



1. Input area
2. Digi area
3. Cancel number input
4. Confirm number input
5. Exit
6. Cancel number one by one

## Bluetooth mode

Bluetooth is a wireless transmission way for short distance. The built-in bluetooth can connect with the mobile phones having bluetooth function.

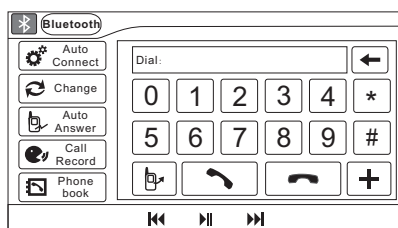
After connecting, you can control your mobile phone through the unit.

Icon	Function	Icon	Function	Icon	Function
	Auto Connect		Phone book		Previous
	Change		Re-dial		Next
	Auto Answer		Ans./Dial		Play/Pause
	Call Record		Hangup		Delete

*Notice: Comprehensive compatibility to all Bluetooth units is not guaranteed.*

### • Select bluetooth mode

Enter Main Menu and choose the [B-T] mode.



### • Pairing

Manual connect

1. Search for Bluetooth device with the device.
2. Select "M-DVD5561R" in the pairing list.
3. Enter default password "0000".

If pairing succeeds, the user interface display "BT Connected",

If pairing isn't successful, the user interface display "BT Disconnected".

Auto connect

The unit will memory the name of the last connected Bluetooth device. After the unit is power on, it will search the mobile phone paired successfully last time automatically. If the mobile phone paired successfully last time is in the valid communicating range, the connection will be done automatically. If out of the valid communicating range, the unit will not connect any Bluetooth device.

Pairing Bluetooth mode have below some functions :

- (1) Make a call
- (2) Answer an incoming call
- (3) Look for the phone note by the unit
- (4) Look for the telephone book of mobile telephone
- (5) Play the audio A2DP of the mobile telephone

### • Searching

Enter Main Menu and choose [B-T], the system begin to auto searching.


If the Bluetooth device have connected and the interface displays "BT Connected";


If have no bluetooth device and the user interface display "BT Disconnected".

## Bluetooth mode

### • Auto answer

By default, all incoming calls are received automatically.

Touch the  icon turns bright, if there is an incoming call, the call will switch to the mobile telephone automatically and display the phone number.

Touch the  icon turns gray, if there is an incoming call, you need to answer the call.



### • Make a call

By default, you can make a call by mobile telephone, screen keyboard, mobile telephone talking note or phone note.


(1) By phone

Use the phone to make a call and the screen displays "Dialing";


(2) By screen

Touch the number area on the user interface to input the number, and short press the  icon to delete the number one by one, long press the icon to delete totally, touch the  to call.


(3) By phone book or talking record

The Bluetooth module will download the phone book and call records from your mobile phone after pairing. If you want to call someone, touch the  icon.


(4) Re-dial

Touch the  icon to re-dial the last call.


### • Voice transfer

After connecting, pressing the voice transfer  icon on the user interface under the conditions of calling, dialing or talking to break the voice connection between the built-in Bluetooth and your mobile phone and transfer voice to your mobile phone. To transfer voice to the built-in Bluetooth, do the operation again.

### • Hangup


While talking, press the hangup key on your mobile phone or touch the hangup icon  on the screen to end the conversation.

### • Scan phone book

Touch the  on the Bluetooth interface to enter the menu list. There are four options in the menu list, including Delete One, Delete All, Copy phone Book, Details. When you press one of them, the Bluetooth module will enter it.

Press the  icon to exit.

*Notice:*


1. After pairing, touch the "  " icon and the unit will store the telephone number from your mobile phone.

After disconnection, you can scan all the telephone numbers from the last connected one. Please delete the needless telephone numbers after used.

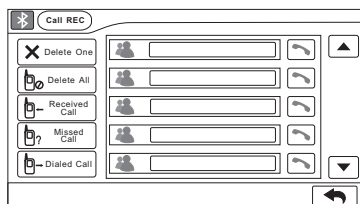
2. Not all mobile phones support the function.

## Bluetooth mode

### • Look for call record

Touch the  icon on the bluetooth interface to enter the menu, then the menu list displays five options: Delete One、Delete All、Received Call、Missed Call、Dialed Call, touch the anyone to the menu.

If you want to exit the menu, touch the [].






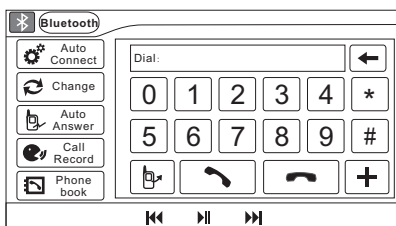
### • Play music

If the connected Bluetooth device supports Advanced Audio Distribution Profile (A2DP), you can listen to the music stored on the device through the unit. If the device also supports Audio Video Remote Control Profile (AVRCP), you can use the control on the unit or its remote control to play music stored on the device.

1. Pair the phone with the unit.
2. Touch the upper left corner to return to home menu.
3. Touch [Bluetooth], the Bluetooth menu is displayed.
4. Start play music via device.

If your device support AVRCP.

- (1) Touch [] to start play or pause.
- (2) Touch [] [] to previous or next.





## DVB-T mode

### Select DVBT as playing source

Open the SOURCE MENU and then select DVBT, and touch the screen to POP UP control menu.

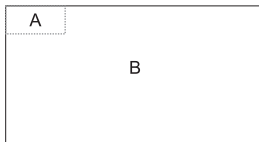


MENU EXIT

Press ► to increase volume, or press ◀ to decrease volume.

### Touch screen controls

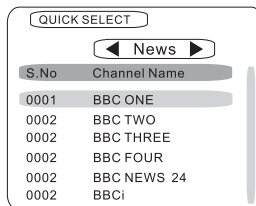
The touch key areas for DVBT mode are outlined below:



A- open the SOURCE MENU  
B- POP UP control menu

### QUICK SELECT

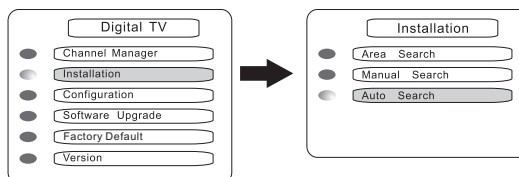
Press [OK] to POP UP [QUICK SELECT] menu, and press ▲ and ▼ to shift cursor to select channel, or press ◀ or ► to select source mode.



### SEARCH CHANNEL

Press MENU to POP UP [MAIN MENU], and press ▲ and ▼ to shift cursor to select source, and press [OK] to get in sub menu.

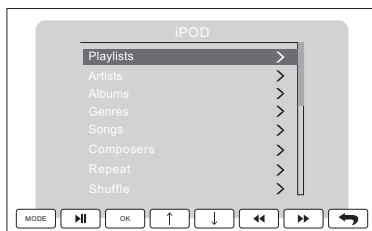
Press [EXIT] to exit.



## iPod mode

### • Select iPod as playing source

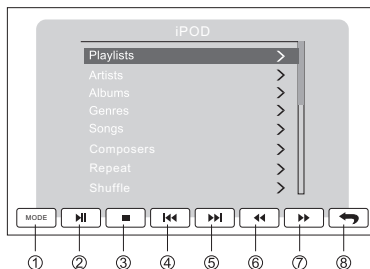
Current source will switch to [iPod] automatically, after the stable connection between the unit and the iPod player is constructed.



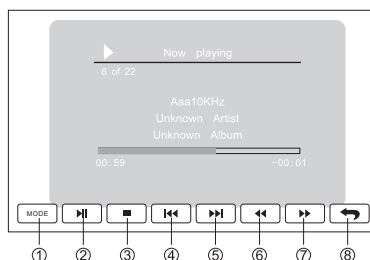
Operation:

1. Operate the main menu by pressing the icons on the left side of screen, before the screen is not full screen.
2. Press the , icon to select file, touch the icon to play.
3. Press the , icon to previous or next. Select the icon to return the last menu.
4. Press the top left corner of screen shows control menu.

- ① — switch to the audio and video
- ② — pause and play
- ③ — ensure to the selective file
- ④ — previous
- ⑤ — next
- ⑥ — fast forward
- ⑦ — fast rewind
- ⑧ — return the last operation



- ① — switch to the audio and video
- ② — pause and play
- ③ — Pause
- ④ — previous
- ⑤ — next
- ⑥ — fast forward
- ⑦ — fast rewind
- ⑧ — return the last operation



## Other modes

### • AUX

External peripheral devices with RCA audio and video outputs can be connected with the unit.

For more details, please refer to ( Electrical Connections Overall Diagram) .  
Open the ' SOURCE MENU' ,and select ' AUX-1' or ' AUX-2' to enter AUX IN mode.

### • REARVIEW

The rearview camera can be connected with the unit.

For more details, please refer to (Electrical Connections Overall Diagram) .

#### 1. Manual mode

Open the "SOURCE MENU", and select "BACK VIEW" mode.

#### 2. Auto mode

The unit automatically switches to BACK VIEW source during reverse driving and the audio is mute.

*Note: This function is not related with whether the view video camera is connected.*

#### 3. Exit current mode

For manual mode, press anywhere on the screen to exit.

For auto mode, if the car exits the reverse driving, the unit will exit "BACK VIEW" mode automatically.


### • Navigation

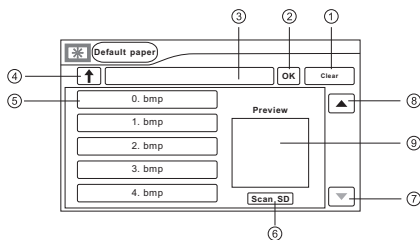
Navigation system is supported by the unit.

Open the "SOURCE MENU",and select "GPS" mode to enter, and press [SRC] button to exit and switch to other mode.

For the GPS system is independent and complicated, more details, please refer to (Navigation on manual) .

### • Wall paper

Press the  icon to enter wall paper setup.



1. Clear the wall paper set already
2. After selecting the video image form external device, press this icon to confirm
3. Display the route images stored
4. Previous station
5. The stored images of system
6. Scan the information of SD
7. Skip to the next image stored in external device
8. Skip to the previous image stored in external device
9. Display the current select image

#### Notice:

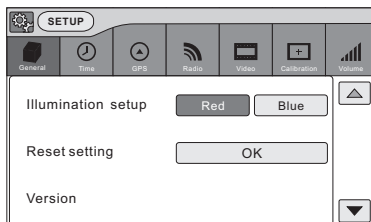
1. If you want to change the wall paper freely, please take out the MAP card and insert the SD card with wall paper images stored.
2. The image format: BMP, 800X480 pixels.

# SETUP

## • Setup Steps

1. Enter setup menu

Press the [SETUP] icon on the main menu, the setup main menu shown as below:



2. Setup

### **Illumination setup**

Repeatedly press the  or  on the screen to select the lamplight.

### **Reset setting**

Press the [OK] on the screen to start to reset the unit.

### **Version**

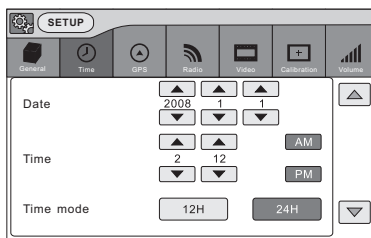
The current version of the unit.

*Notice: All the setup can be finished by the touch key on the screen.*

## • Time

1. Time adjustment

Press the icon of time or date appears on the screen, and use the 、 to adjust. The setting will be stored automatically by the unit.



2. Clock mode

12Hr: the clock displays in the type of 12 hours such as 11:18 AM.

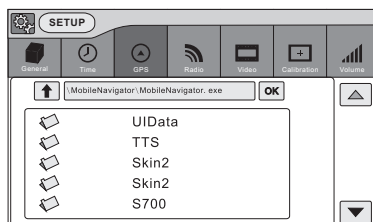
24Hr: the clock displays in the type of 24 hours such as 20:18.

*Notice: Time and date will be updated automatically by the signal of GPS receives.*

# SETUP

## • GPS

After the map card is inserted, press the [GPS] icon on the main source menu to enter navigation system. The path is default, shown as below:



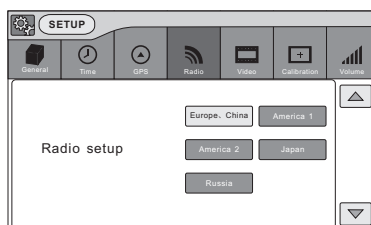
### Notice:

The path of the map stored for your reference. To access GPS mode, you can press the [NAV] button on the front panel or press the [GPS] icon on the main menu.

## • Radio

Press the [Radio] icon on the setup menu to enter radio mode.

Shown as below:

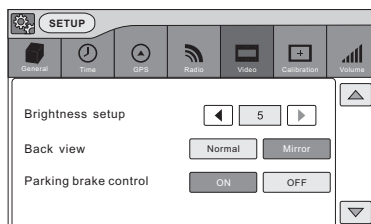


Choose the desired radio region.

## • Video

Press the [Video] icon on the setup menu to enter video mode.

Shown as below:



Brightness: Use the ◀, ▶ to adjust, the default setting is 5.

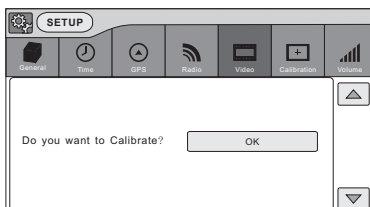
Back view: The default setting is normalmode.

Parking: The default setting is on.

# SETUP

## • Calibration

When the touch operation is not sensitive or valid, you should calibrate the touch screen through TS CAL Screen function.



Press the [Calibration] icon on the setup menu to enter.

1. The information appears on the screen:

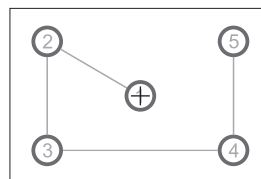
Whether calibrate the touch screen?  OK

2. Start calibrating

Use a pointed object to touch the center of [⊕], the [⊕] will move automatically.

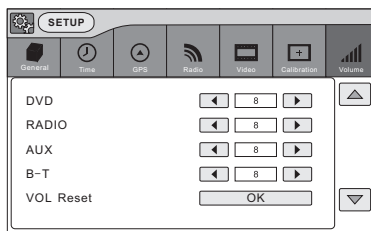
3. Exit calibrating

Aim at center of [①], follow the path as shown of the figure, after steps from 1 to 5, the system will exit calibrating automatically.



## • Volume

Press the [Volume] icon on the setup menu to enter. Shown as below:




Use the ◀, ▶ to adjust.

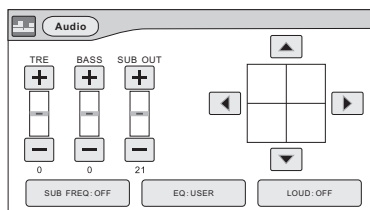
## EQ

Audio control allows you to easily adjust the audio system to get the best possible sound effect.

Procedures of EQ setup

1. Enter EQ setup mode

Press the  icon on the user interface.




2. Select EQ mode

a. There are following equalizer options: USER/POP/ROCK/CLASS.

Press  to select.

b. Select a crossover frequency: 80Hz/120Hz/160Hz/OFF.

c. Select loudness on or off. Press  to select.

*Notice:*

*After one mode is selected, it will be stored automatically and the previous stored will be overwritten.*

3. Adjust EQ parameters

To adjust EQ parameters, touch and drag the EQ parameters adjustment bar.

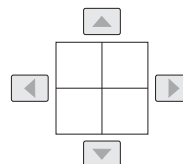
Bass: From +7 to -7

Treble: From +7 to -7

Subwoofer out volume: From 0 to 21

4. Adjust Front/Rear/Left/Right fader and balance.

Adjust with , , ,  icon.



*Notice: The USER mode of EQ has the memory function.*

## Troubleshooting

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

Problem	Cause	Corrective action
<b>General</b>		
Unit can not power on	Unit fuse blown.	Install new fuse with correct rating.
	Car battery fuse blown.	Install new fuse with correct rating.
	Illegal operation	Reset the unit.
Remote control does not work	Battery depleted.	Change the battery.
	Battery installed incorrectly.	Install the battery correctly.
No/low audio output	Improper audio output connection.	Check wiring and correct.
	Volume set too low.	Increase volume level.
	Speakers damaged.	Replace speakers.
	Heavily biased volume balance.	Adjust the channel balance to center position.
	Speaker wiring is in contact with metal part of car.	Insulate all speaker wiring connections.
Poor sound quality or distortion	Piratic disc is in use.	Use original disc.
	Speaker power rating does not match unit.	Replace speakers.
	Wrong connections.	Check wiring and correct.
	Speaker is shorted.	Check wiring and correct.
Tel-Mute malfunction	MUTE wire is grounded.	Check the 'MUTE' wiring and correct.
Unit resets itself when engine is off	Incorrect connection between ACC and BATT.	Check wiring and correct.
<b>TFT monitor</b>		
Warning information is shown at all times	Parking break wiring is not correct.	Check wiring and correct.
Flashing image or interference appears on screen	The color system of DVD disc does not match the monitor.	Adjust the color system of the DVD disc playing back or the monitor in use.
	Piratic disc is in use.	Use original disc.
	Video cable damaged.	Replace cables.
	Improper video signal connections.	Check wiring and correct.



## Troubleshooting

(Continued)

Problem	Cause	Corrective action
<b>Disc playback</b>		
Cannot insert disc	A disc inside the unit already.	Eject current disc and insert new one.
Disc does not play back	Disc is warped or scratched.	Use disc in good condition.
	Disc is dirty or wet.	Clean disc with soft cloth.
	Incompatible disc is used.	Use compatible disc.
	Disc is inserted upside down.	Insert disc with label side up.
PBC cannot be used during VCD playback	Disc region code is not compatible with unit.	Use disc with proper region code.
	PBC is not available on the disc.	Use disc with PBC available.
Repeat or search function is invalid during VCD playback	PBC is on.	Turn PBC off.
<b>Error messages</b>		
No disc	Disc is dirty.	Clean disc with soft cloth.
	Disc is upside down.	Insert disc with label side up.
	No disc inside.	Insert disc.
Bad disc	Disc is dirty.	Clean disc with soft cloth.
	Disc is upside down.	Insert disc with label side up.
Unknown disc	Disc format is not compatible with this unit.	Use disc with compatible format.
Region Error	DVD region code is not compatible with this unit.	Use disc with compatible region code.

## Device connections

### Notes of connection

- This unit is designed to be used in a vehicle with a 12-volt battery and negative grounding. Before installing this unit to a recreational vehicle, a bus, or a truck, make sure the battery voltage is appropriate for this unit to be used, otherwise, install a transformer by professional to convert the output voltage to 12V.
- To avoid short circuit in the electrical system, ensure that the negative battery cable is disconnected before installation.
- To prevent short circuit in the wiring and damaging to this unit, secure all wirings with cable clamp or adhesive tape. Route the wirings in a secured, out of heating place without touching any moving parts such as gear shift, handbrake, and seat rails to prevent the wiring insulation being melted / wore off.
- Never pass the yellow power cord through the installation hole into the engine compartment and connect to the car battery. Otherwise, a high possibility of serious short circuit to the electrical system may be occurred.
- Replacing a new fuse with 10A rating when the old one is broken, using no fuse or fuse with improper rating may cause damage to this unit or even fires. If a proper fuse is installed and electrical problems still occur, please contact with any professional car shops for inquiry.
- DO NOT connect other equipments with the car battery to avoid battery overheating.
- Please make sure all the wiring connections & the cables of the speakers are well-insulated. Otherwise, this unit may be damaged by short circuit.
- If there is no ACC available, Please connect ACC lead to the power supply with a switch.
- If an external power amplifier is connected, please don't connect P.CONT lead to the power lead of the external power amplifier, otherwise, electric spark or other damage may be resulted.
- Never ground the speaker output to prevent the damage to the built-in power amplifier.
- The minimum rating of the speakers connected to this unit is 50W with 4 to 8Ω impedance.

## Device connections

### Control Cables

#### Auto Brightness Control

To avoid the display being too bright at night time, if the headlight cable is connected to ILLUMI, turning on the headlight will dim the backlight of the TFT LCD and vice versa.

#### Telephone Mute

If the MUTE cable is connected to a car phone, other audio outputs mute when one call is received by the car phone.

#### Reverse Driving

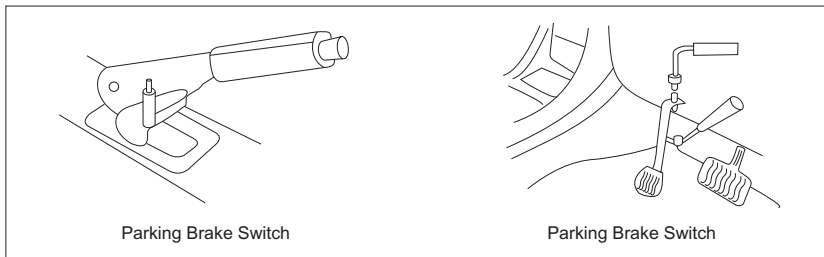
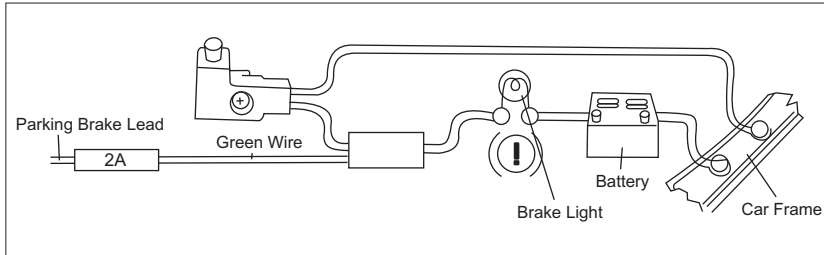
If a rear view camera is connected with the unit, the playing source switches to CAMERA automatically when you start reverse driving. As the reverse driving is done, the playing source switches to the previous.

#### Parking Brake

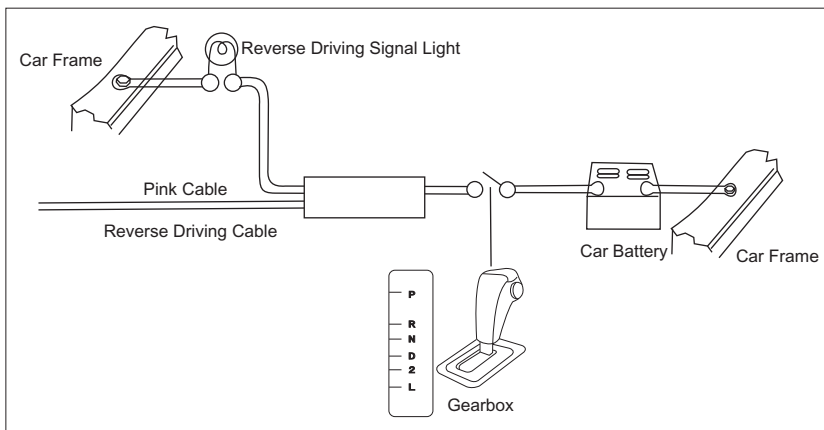
- 1) If "PRK SW" cable is connected to hand brake switch, video display on the TFT monitor will be controlled by this function. Parking cable function ceases when the playing source is CAMERA.
- 2) The monitor displays the blue screen with warning information to prevent the driver watching video contents during driving, but the passengers at the rear seat can watch video contents normally.

## Device connections

### Parking Brake Cable Connections



### Reverse Driving Cable Connections



# Specifications

## General

Reference Supply Voltage.....	12V (DC)
Operating Voltage Range.....	10. 5~15. 8V (DC)
Max Operating Current.....	15A
Grounding System.....	Car Battery Negative Pole
Dimensions (WXHXD) .....	178X100X173mm
Weight (main unit) .....	2. 5kg

## FM

Signal Noise Ratio.....	≥55dB
Residual Noise Sensitivity(S/N=30dB).....	18dBμV
Frequency Response(±3dB).....	40Hz~12.5KHz
Station Seeking Level.....	20~28dBμV
Distortion.....	≤1.5%
Stereo Separation(1KHz).....	≥25dB
Antenna Impedance.....	75Ω

## AM

Residual Noise Sensitivity (S/N=20dB).....	30dBμV
Selectivity (±9KHz) .....	≥50dB

## LCD

Screen size.....	6.2inches (16:9)
Display resolution.....	800X480dots
Contrast ratio.....	500
Brightness.....	350cd/m <sup>2</sup>

## DVD Player

Signal / Noise Ratio.....	90dB
Dynamic Range.....	90dB
Distortion(line out).....	≤0.1%
Frequency Response(±3dB).....	20Hz~20KHz
Maximum Output Power.....	4×45W
Load Impedance.....	4Ω

## AUX IN

Distortion.....	≤0.5%
Frequency Response(±3dB).....	20Hz~20KHz
Audio Input Level.....	1Vrms

## Audio

Audio Output Impedance.....	10KΩ
Audio Output Level.....	4Vrms(Max)

## Video

Normal Video Input Level(CVBS).....	1.0±0.2V
Video Input Impedance.....	75Ω
Video Output Impedance.....	75Ω
Video Output Level.....	1.0±0.2V

# Specifications

## Environment

Operating Temperature.....	-10°C~ + 60°C
Storing Temperature.....	-20°C~ + 70°C
Operating Humidity.....	45%~80%RH
Storing Humidity.....	30%~90%RH

### Notice:

*When the unit is operated extremely, such as operated with maximum power output for a long time, or the temperature is over 70° C, it will enter heat protection mode, the volume will be lower automatically. This is normal.*

## Supported formats :

- USB or memory file format: FAT16, FAT32
- Mp3 bit rate (data rate) :32~320 Kbps and variable bit rate
- WMA v9 or earlier
- Directory nesting up to a maximum of 8 levels
- Number of albums/folders: maximum 99
- Number of tracks/titles: maximum 999
- ID3 tag v2. 0 or later
- File name in Unicode UTF8 (maximum length: 128 bytes)

## Unsupported formates :

- Empty albums: an empty album is an album that does not contain MP3/WMA files, and is not be shown in the display.
- Unsupported file formats are skipped. For example, Word documents (. doc) or Mp3 files with extension. dlf are ignored and not played.
- AAC, WMV, PCM audio files
- DRM protected WMA files (. wav, .m4a, . m4p, . mp4, . aac)
- WMA files in Lossless format

## Supported MP3 disc format :

- ISO9660, Joliet
- Maximum title number :512 (depending on file name length)
- Maximum album number: 255
- Supported sampling frequencies: 32kHz, 44. 1kHz, 48kHz
- Supported Bit-rates: 32~320Kbps and variable bit rate

## Supported video formats :

- DVD
- MP4
- Xvid

## Specifications

- **Region code**

According to DVD sale region, the whole world is divided into six regions. A DVD disc can be played back only when its region code is compatible with that of the player in use.

Region 1: USA, Canada, East Pacific Ocean Islands;

Region 2: Japan, West Europe, North Europe, Egypt, South Africa, Middle East;

Region 3: Taiwan of China, Hong Kong of China, South Korea, Thailand, Indonesia, South East Asia;

Region 4: Australia, New Zealand, Mid & south America, South Pacific Ocean Islands/Oceania;

Region 5: Russia, Mongolia, India, Middle Asia, East Europe, North Korea, North Africa, North West Asia;

Region 6: Chinese Mainland.

- **Cautions of disc using**

- 1) **DO NOT use irregular shaped disc**

- 2) **Disc Cleaning**

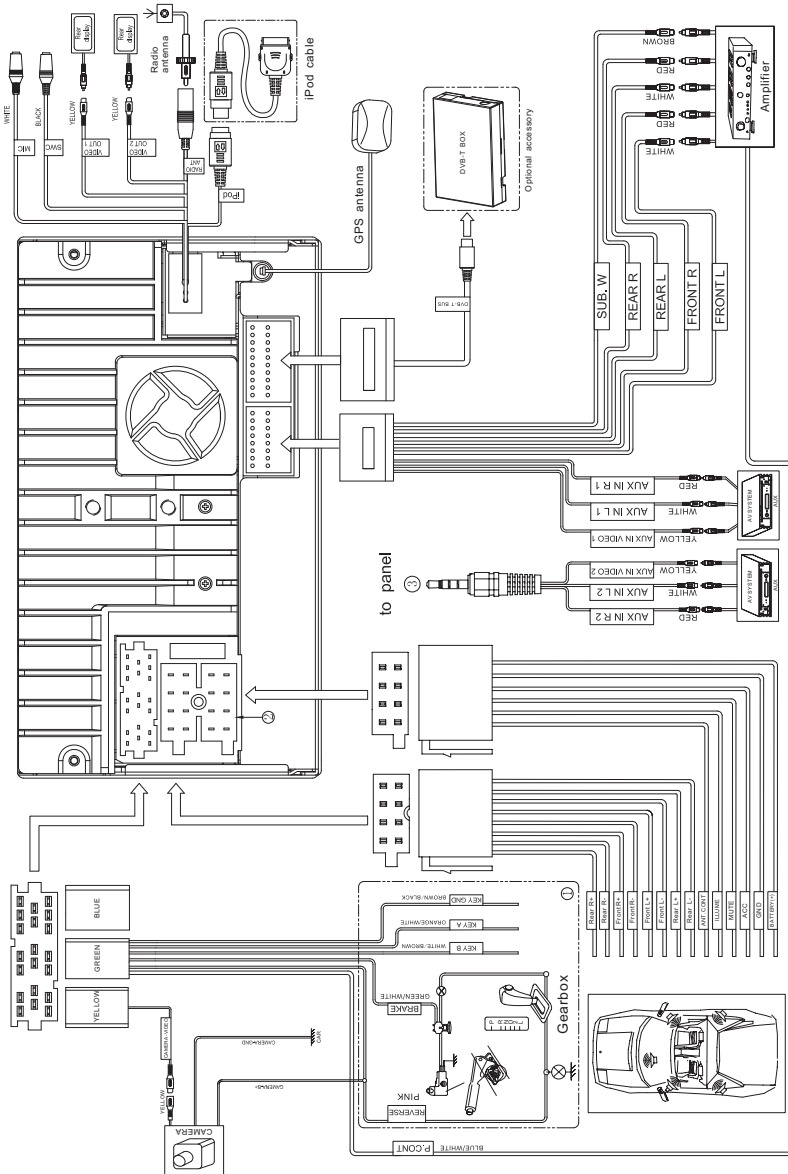
Use a dry, soft cloth to wipe the disc from center to edge, only neutral detergent can be used.

- 3) **When playing a new disc**

New disc may have some rough spots around the inner and outer edges. If such a disc is used, remove these rough spots with a pencil or ball-point pen, etc.

# Appendix

## Overall wiring diagram



Notice: ③ connect the AV cable to the AV IN socket on the front panel.





**CLASS 1  
LASER PRODUCT**