



THAT'S BETTER
BY BETTER

WE ARE A LEADING MANUFACTURER OF CAR STYLING & ACCESSORIES.

Never expose this unit, amplifier, and speakers to moisture or water for fire, electric shock or fires.

Only connect the unit to a 12-volt power supply and reliable grounding.

Please don't change the fuse on the power cord without professional guidance, using a proper fuse may cause damage to this unit or even cause fire.



DO NOT EXPOSE THIS UNIT TO MOISTURE OR WATER.

DO NOT EXPOSE THIS UNIT TO MOISTURE OR WATER.

To avoid a clear demonstration and an illustration for easy understanding of the operation of this unit, graphic illustration was used. However, this illustration is not necessary printed as the actual image found on the unit.

To avoid a clear demonstration and an illustration for easy understanding of the operation of this unit, graphic illustration was used. However, this illustration is not necessary printed as the actual image found on the unit.

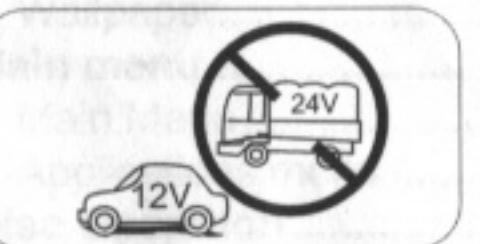
BT4505

2-DIN DVD MULTIMEDIA STATION BUILT-IN NAVIGATION/BLUETOOTH OPERATING INSTRUCTION

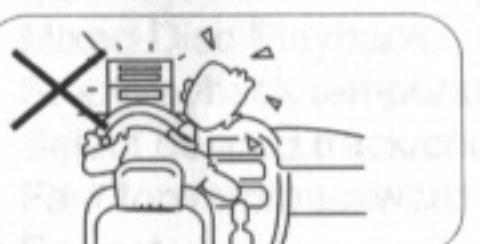
Precautions

Thank you for purchasing this product. Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, keep this manual in a safe place for future reference.

Only connect the unit to a 12-volt power supply with negative grounding.



Never install this unit where the operation & condition for safety driving is restrained.

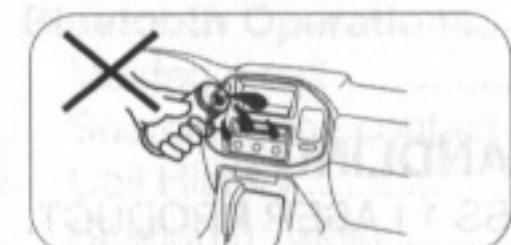


Never use the video display function in the front when driving to prevent the violation of laws & regulations and also to reduce the risk of traffic accident except using for rear view video camera.

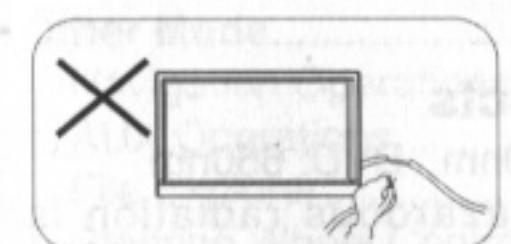


To ensure safe driving, please adjust the volume to a safe & comfort level in case of emergency situations.

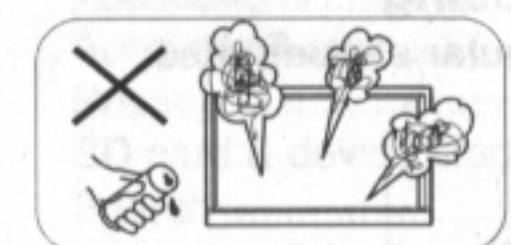
Never expose this unit, amplifier, and speakers to moisture or water for preventing electric sparks or fires.



Please don't change the fuse on the power cord without professional guidance, using improper fuse may cause damage to this unit or even cause fire.



Please power off this 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.

To provide a clear demonstration and an alternative for easy understanding of the operation of this unit, graphic illustration was used. However, this illustration is not necessary printed as the actual image found on the unit.



| | |
|-----------------------------|----|
| Key search | 12 |
| SD/USB Operations | 13 |
| Using an SD Card | 13 |
| Using USB device | 13 |
| Music Playback | 13 |
| Play/Pause | 13 |
| Previous/next track | 13 |
| Fast Forwarding / Rewinding | 13 |
| Select Music by artist | 13 |
| Select Music by album | 13 |
| Select Music by song Name | 14 |

Precautions

Warning

Operate the unit correctly according to the manual instruction to prevent unnecessary problem.

CAUTIONS ON HANDLING

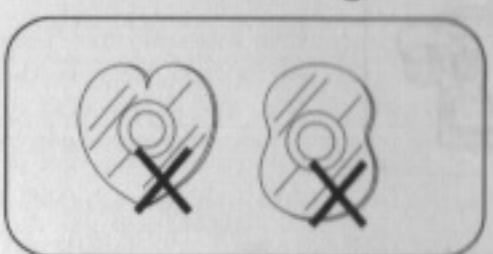
This product is a CLASS 1 LASER PRODUCT. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. Do not open covers and do not repair yourself. Refer servicing to qualified personnel.

Two laser products

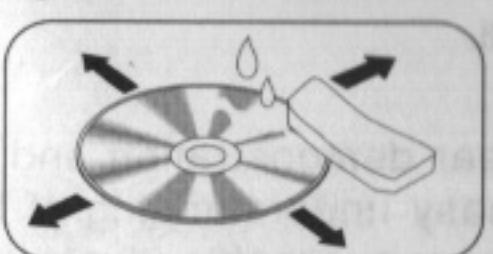
Wave length: CD: 780nm DVD: 650nm
Laser power: No hazardous radiation is emitted with safety protection.
To reduce the risk of fire electric shock, and annoying interference, use only the included components.

Caution of disc using

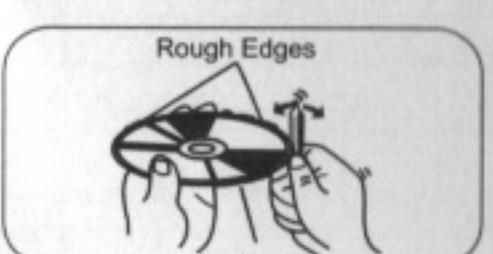
1. DO NOT use irregular shaped disc.



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.

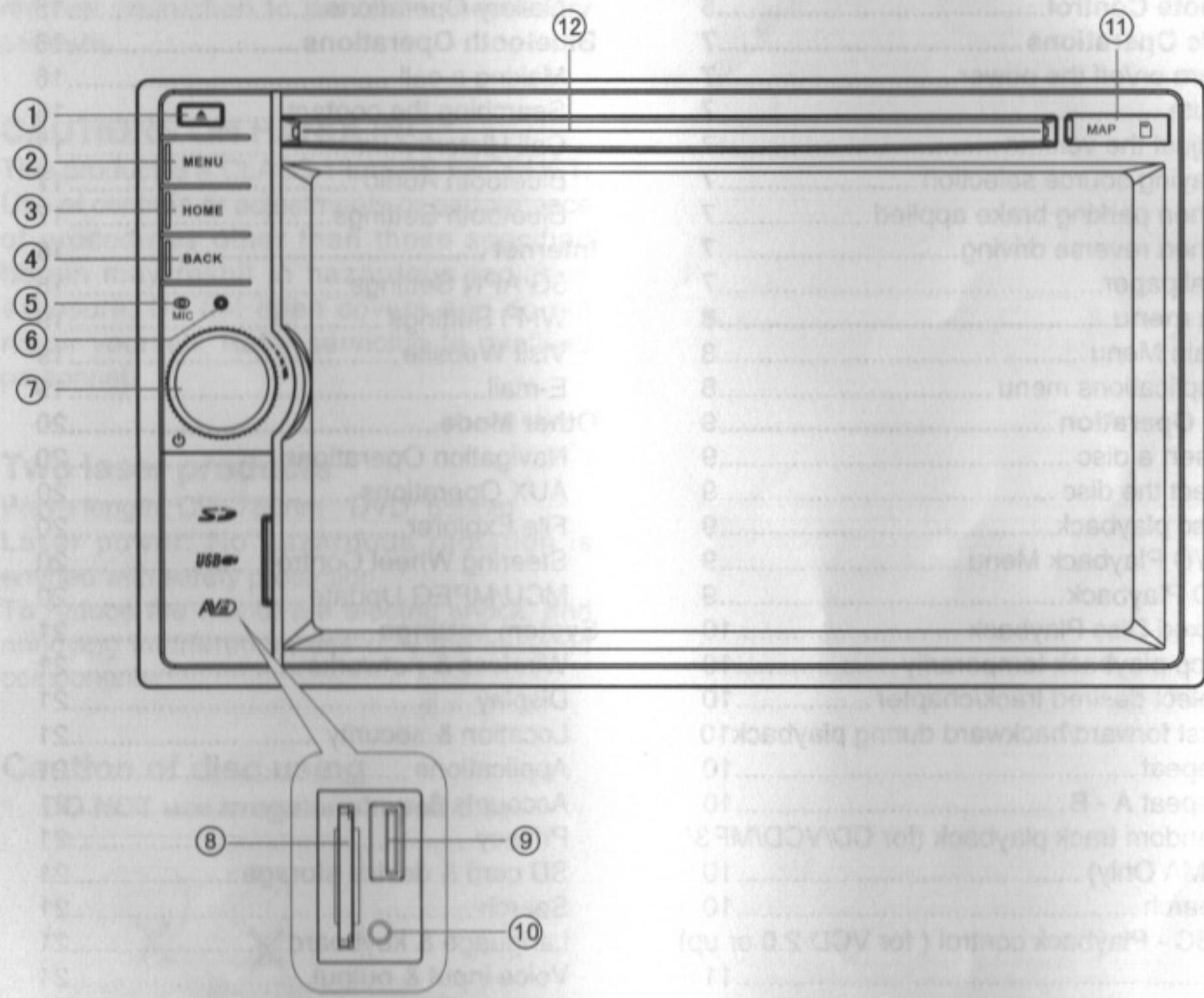


Contents

| | |
|---|----|
| Precautions | 1 |
| Panel Controls | 4 |
| Remote Control..... | 5 |
| Basic Operations | 7 |
| Turn on/off the power..... | 7 |
| Mute..... | 7 |
| Adjust the volume..... | 7 |
| Playing source selection..... | 7 |
| When parking brake applied..... | 7 |
| When reverse driving..... | 7 |
| Wallpaper..... | 7 |
| Main menu..... | 8 |
| Main Menu | 8 |
| Applications menu | 8 |
| Disc Operation | 9 |
| Insert a disc | 9 |
| Eject the disc | 9 |
| Disc playback..... | 9 |
| DVD Playback Menu..... | 9 |
| CD Playback..... | 9 |
| Mixed Disc Playback..... | 10 |
| Stop playback temporarily | 10 |
| Select desired track/chapter | 10 |
| Fast forward/backward during playback | 10 |
| Repeat..... | 10 |
| Repeat A - B | 10 |
| Random track playback (for CD/VCD/MP3/WMA Only) | 10 |
| Search | 10 |
| PBC - Playback control (for VCD 2.0 or up) | 11 |
| DVD audio select..... | 11 |
| VCD audio select..... | 11 |
| DVD subtitle select | 11 |
| DVD title select | 11 |
| Radio Operations..... | 11 |
| Select one radio band..... | 12 |
| Manual tuning | 12 |
| Auto tuning..... | 12 |
| Auto store | 12 |
| Manual store | 12 |
| Recall the stored stations | 12 |
| Local seeking..... | 12 |
| Key search..... | 12 |
| SD/USB Operations..... | 13 |
| Using an SD Card | 13 |
| Using USB device..... | 13 |
| Music Playback..... | 13 |
| Play/Pause..... | 13 |
| Previous/next track | 13 |
| Fast forwarding or reversing..... | 13 |
| Select Music by Artist | 13 |
| Select Music by Album | 13 |
| Select Music by Song Name..... | 14 |
| Playlists..... | 14 |
| Video Playback..... | 14 |
| Gallery Operations..... | 15 |
| Bluetooth Operations..... | 16 |
| Making a call | 16 |
| Searching the contact | 16 |
| Call History | 17 |
| Bluetooth Audio | 17 |
| Bluetooth Settings | 17 |
| Internet | 18 |
| 3G APN Settings..... | 18 |
| Wi-Fi Settings | 19 |
| Visit Website | 19 |
| E-mail..... | 19 |
| Other Mode..... | 20 |
| Navigation Operations | 20 |
| AUX Operations..... | 20 |
| File Explorer..... | 20 |
| Steering Wheel Control..... | 20 |
| MCU/MPEG Update | 20 |
| System settings | 21 |
| Wireless & networks | 21 |
| Display | 21 |
| Location & security | 21 |
| Applications | 21 |
| Accounts & sync | 21 |
| Privacy | 21 |
| SD card & device storage | 21 |
| Search | 21 |
| Language & keyboard | 21 |
| Voice input & output..... | 21 |
| Accessibility | 21 |
| Date & time | 21 |
| Car Setting | 22 |
| Sound setting..... | 22 |
| Device Connections | 23 |
| Wiring Diagram | 25 |
| Troubleshooting | 26 |
| Specifications | 27 |

Panel Controls

Press **Power** knob (7) to turn on the unit.



1. Eject

> Eject disc (when disc inserted)

2. MENU

Show setting buttons.

3. HOME

Show main source menu

Show short-cut of recent accessing modes (long press)

4. BACK

Back to previous menu.

5. Microphone

6. Reset

Load factory settings

7. POWER/VOLUME

- > Power on (press)
- > Adjust volume (rotate)
- > Mute the volume (press when on)
- > Power off (long press)

8. SD Card Slot

9. USB connector

10. AUX in Jack

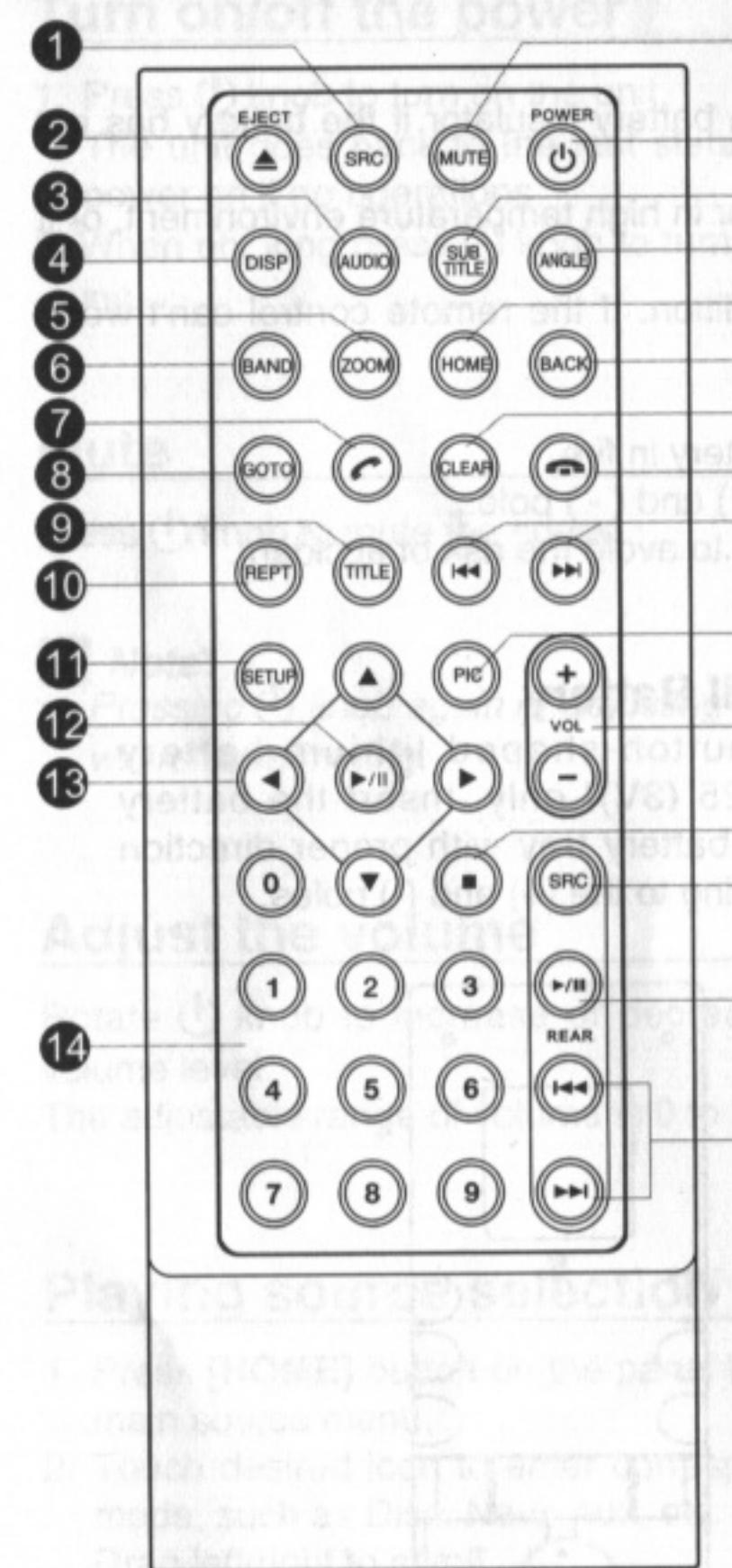
11. Map Card Slot

Don't remove the mini-SD card when unit is power on.
The standard SD card and USB will be no use when the mini-SD card removed.

12. Disc Slot

Insert the disc with label side facing up.

Remote Control



1. Change playing source in sequence
2. Eject the disc
3. Select audio language
4. Show music catalog
5. Display playback information
6. Zoom
7. Select radio band
8. Call out
9. Goto search
10. DVD title
11. Repeat playback
12. Setup menu
13. Play / Pause
14. EQ setting (long press)
15. Move the cursor up/down/left/right.
16. Up/down: Manual tuning
17. Numeric keys
18. Mute the volume
19. Unit power
20. Select DVD subtitle language
21. Select DVD angle
22. Show /exit home menu
23. Return to previous display
24. Clear information
25. Hang up
26. Previous/Next
27. Auto tuning (long press)
28. Fast backward/forward (long press)
29. Display settings
30. Display calibration (long press)
31. Adjust volume
32. Stop playback

Rear zone

27. Change next rear source

28. Play/Pause

29. Previous/Next track

Fast backward/forward (long press)

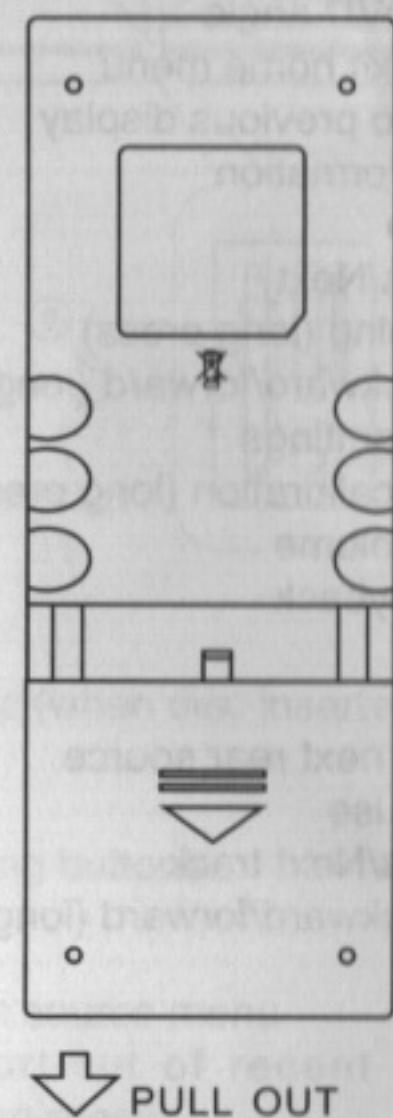
Remote Control

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.

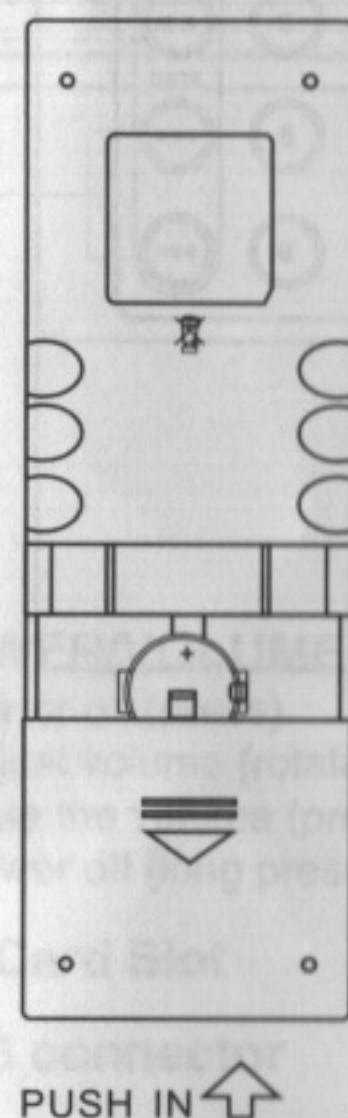
Uninstall Battery

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



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.



Basic Operations

Turn on/off the power

1. Press knob to turn on the unit. The unit goes back to the last status after power on if no operations.
2. When on, long press knob to turn off the unit.

Mute

Press knob to mute the sound.

Note:

- Pressing knob again or adjusting volume will release muting.

Adjust the volume

Rotate knob to increase or decrease the volume level.

The adjustable range of volume is 0 to 50.

Playing source selection

1. Press [HOME] button on the panel to show main source menu.
2. Touch desired icon to enter corresponding mode, such as Disc, Navi, Aux, etc. Drag left/right to scroll.

Notes:

- When some devices are not ready, they cannot be selected.
- You should stop switching when the playing source you desired has been selected and wait for some seconds, the unit will auto enter the playing source mode you have selected.

When parking brake applied

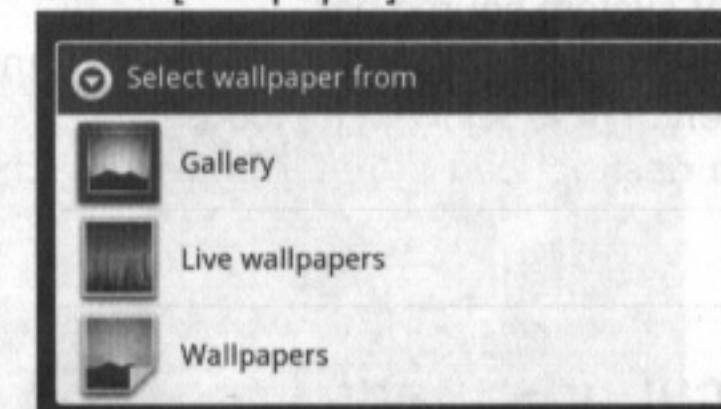
1. If 'PRK SW' cable is connected to hand brake switch, the video display of the TFT monitor will be controlled by driving status, system setup and input video sources.
2. When the car is moving ahead, if the video disc is played, the screen appears WARNING information, and blank screen. The warning screen will prevent the driver watching images. The passengers at the rear seats can watch normally.

When reverse driving

If the rear view video camera is connected, the unit automatically switches to CAMERA source during reverse driving. The unit returns to the original work mode after the reverse driving is done.

Wallpaper

1. Long press the blank area of the main menu.
2. Select [Wallpaper] on the sub-menu.



3. [Gallery]: to visit the gallery. [Live wallpapers]: to show the wallpapers with animation. Drag up/down to scroll. [Wallpapers]: to show the wallpapers stored in the unit. Drag left/right to scroll.
4. Select desired picture to view, touch [Set wallpaper] to confirm selection.

Main menu

Main Menu

Press [HOME] button on the panel to enter main source menu.



1. To select search mode.
 2. To input searching contents by the keypad on the screen.
 3. Touch [123] to show number keypad, touch [ABC] to show character keypad. Touch [Go] to begin searching.
 4. Hold and drag down to show mobile devices information.
 5. Wireless signal and time indicator.
 6. Access web browser.
 7. Show applications list.
 8. Enter setting menu
 9. Car AV system source bar
- Touch and hold the center of the bar and drag left/right to show more icons.
Touch desired icon to enter corresponding mode.

Applications menu

Touch [] to enter applications menu.



In the list menu, drag up/down to scroll.
Touch and hold an icon for more than 2 seconds to add shortcut to the desktop. To delete the shortcut, hold it and drag to the recycle.
Touch [] to exit.

Disc Operation

Insert a disc

Insert a disc into the slot, and the unit will change to disc mode automatically.

Note:

- Please confirm whether there is a disc in the unit before you insert another one.
- The unit will exit current playing source and enter DVD mode when one disc is inserted.
- The following format disc will be support: CD-R, CD-RW, DVD-R, DVD+R, DVD-RW, DVD + RW .

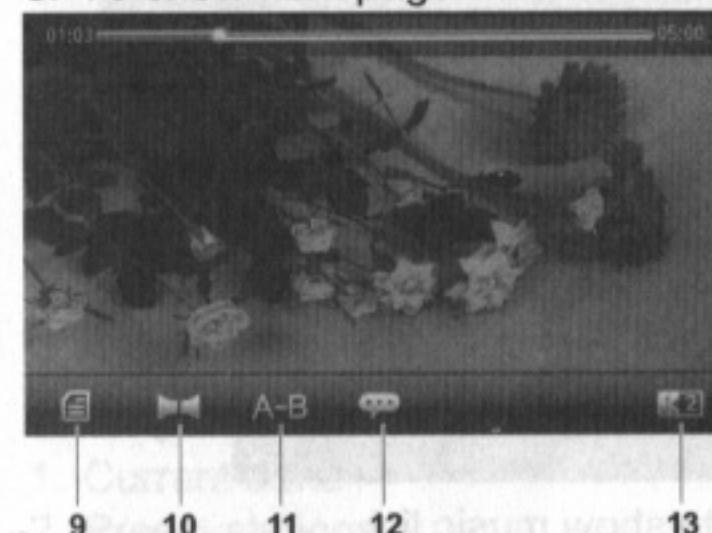
Next chapter

Fast forward (long press)

To enter search menu

Repeat play

To show next page



To show DVD title

Select audio language

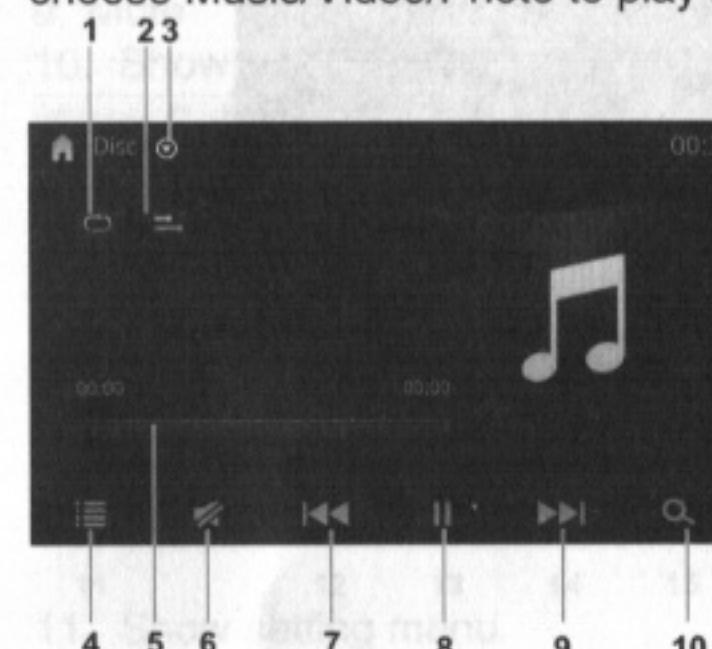
A-B repeat

Select subtitle language

To show previous page

CD Playback

Insert a CD in the disc slot, and the unit will read the disc. For some disc, you need to choose Music/Video/Photo to play back.



Repeat play

Shuffle play

Show shortcuts menu

Show file list

Progress bar

Mute

Previous track

Fast backward (long press)

Play/Pause

Next track

Fast forward (long press)

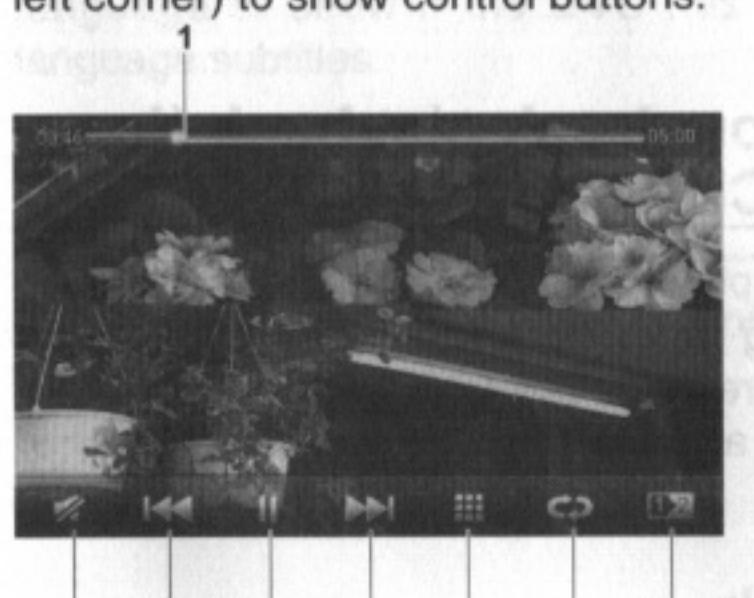
Enter search mode

Disc playback

When a disc is inserted, display shows "Loading...". For MP3/WMA or disc with mixed files, reading time may exceed 1 minute.

DVD Playback Menu

During playback, touch the screen(except top left corner) to show control buttons.



Progress bar

Mute

Previous chapter

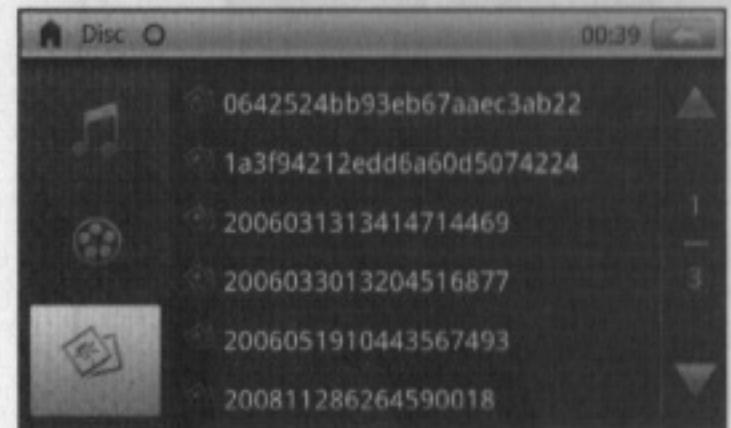
Fast backward (long press)

Play/Pause

Disc Operation

Mixed Disc Playback

When insert a mixed disc, the unit will read the disc and show files list. For some disc, you need to choose Music/Video/Photo to play back.



Touch [1] to show music list.

Touch [2] to show video list.

Touch [3] to show photo list.

Drag the list up/down to scroll.

Touch a file name to visit it.

When view a picture, touch the screen(except top left corner) to show control buttons.



1. Previous picture
2. Browse pictures automatically / manually
3. Next picture
4. Zoom
5. Rotate
6. Save as wallpaper

* Video/Audio playback reference DVD/CD playback.

Stop playback temporarily

1. During playback, press [II] to pause playback. The sound will be muted.
2. Press [▶] to continue playback.

Select desired track/chapter

Press [◀] or [▶] to skip to the previous or next track/chapter.

Fast forward/backward during playback

Press and hold [◀] or [▶] button to fast backward or forward during playback.

During the fast forward or backward operation, the volume will be muted.

Repeat

During playback, press [CD] button on screen to select repeat playback.

- Default setting is off.

Note:

If you do not select Repeat on, when the entire disc or TITLE playback has finished, the system will stop. If no other control, after 5 minutes the unit will turn into standby mode.

Repeat A - B

Select desired passage to repeat playback.

- Press [A-B] on the remote control once to select starting point.
- Press [A-B] again to select ending point, selected passage start to replay.
- Press [A-B] once again to exit.

Random track playback (for CD/VCD/MP3/WMA Only)

You can play all the tracks in random order.

1. During playback, press [CD] or [▶] button on the screen to select random playback.
2. Press again to select normal playback.

Search

1. Touch the [■] button on the bottom of the screen to show search menu.
2. Touch [□] button to change search type

Disc Operation

from Track, Title and Time.

3. Input numbers by the keypad and touch [✓] to confirm.
4. Touch [←] to delete a digit inputted.
5. Touch [X] button to clear all the digits.
6. Touch [OK] to exit.

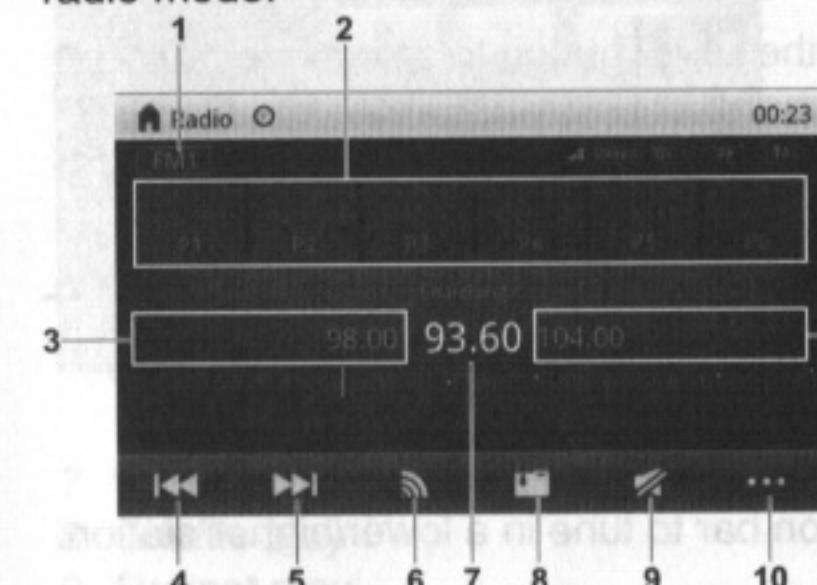
PBC - Playback control (for VCD 2.0 or up)

If you insert a VCD with PBC, playback starts from the beginning of the 1st track automatically.

Touch [PBC] button on the operation bar to show PBC menu, touch to select desired track.

Radio Operations

Select [Radio] on the main menu to enter radio mode.



1. Current band
2. Preset stations
Touch P1~P6 to listen to preset station.
3. Favorite stations
Touch one frequency on the middle of screen to listen to stored favorite station.
4. Tune backward
Auto tune backward. (long press)
5. Tune forward
Auto tune forward. (long press)
6. Band switch
7. Current frequency
8. Store stations manually
9. Mute
10. Show more control buttons



11. Show setting menu
12. Search and store preset stations automatically
13. Goto station by inputting frequency.
14. Preset stations list
15. Hide the lower buttons.

Select [Radio] on the main menu to enter radio mode.
1. Touch [OK] to select current station.
2. Touch [OK] to show control sub-menu.
3. Select a song to play.

Radio Operations

Select one radio band

Touch the button to select one radio band among FM1, FM2, FM3, AM1 and AM2.

Manual tuning

During manual tuning, the frequency will be changed in steps.

Touch the or button on the operation bar to tune in a lower/higher station.

Auto tuning

Hold the or button on the operation bar for more than 2 seconds to seek a lower/higher station.

To stop searching, repeat the operation above or press other buttons having radio functions.

Note:

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

Auto store

Only stations with sufficient signal strength will be detected and stored in the memory.

To start automatic station search, touch the button on the operation bar.

To stop auto store, press other buttons having radio functions.

Note:

After auto store, the previous stored stations will be overwritten.

Manual store

- When one expected radio station has been detected, touch button on the operation bar to show the preset station store list.

Touch [Favorite List] to show favourite station store list.

- Touch to select a item on the list and touch [Confirm] to store the current station in the memory.

- Touch to exit.

Recall the stored stations

Method 1:

Touch the P1~P6 on the screen to listen the preset station.

Touch the frequency on the middle of the screen to listen the favourite station.

Method 2:

- Touch button on the operation bar to show the preset station list.

Touch [Favorite List] to show favourite station list.

- Touch a station on the list to listen.

- Touch to exit.

Local seeking

When LOCAL seeking is on, only those radio stations with strong radio signal could be received.

To open LOCAL function, touch button on the operation bar, then touch the [Sensitivity] button to select "Local" or "DX".

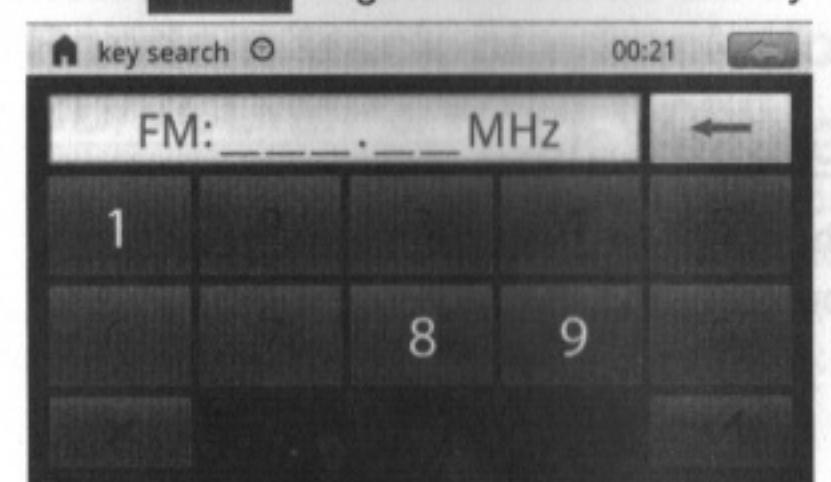
Note

The number of radio stations that can be received will decrease after the local seeking mode is on.

Key search

Touch button on the operation bar to show key search menu.

Touch the keypad to input the frequency, touch to goto the station directly.



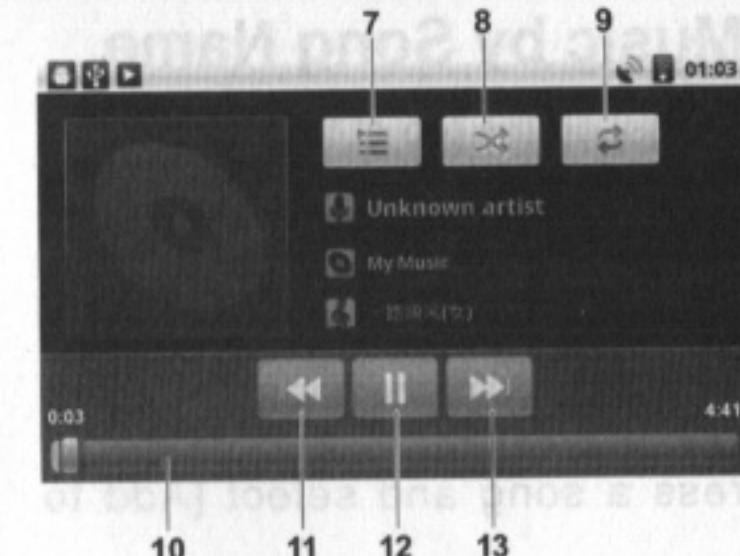
Touch to delete a digit inputted.

Touch to clear all the digits.

SD/USB Operations

Using an SD Card

- Open the card slot cap, insert an SD card into the corresponding slot, the unit will load the files automatically. You need to choose Music/Video/Photo to play back.
- To remove the card, you should first select another source, in order to avoid damaging the card, press the card slightly, and take off the card after it pops out.



7. Show playing list

8. Shuffle play

9. Repeat play

10. Progress bar

11. Previous track

Fast backward (long press)

12. Play/Pause

13. Next track

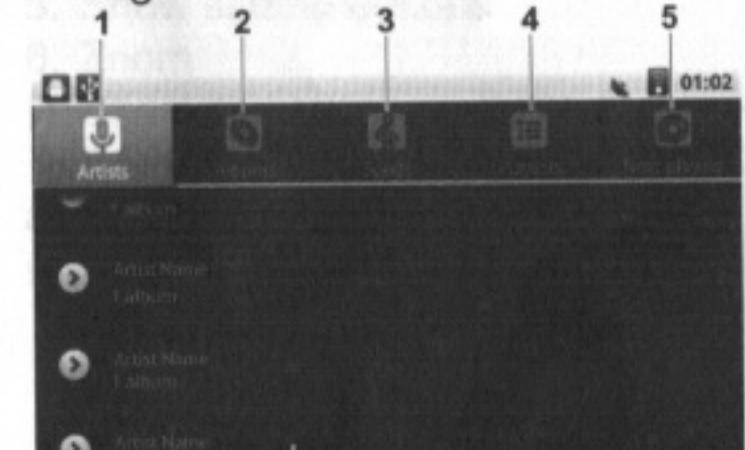
Fast forward (long press)

Using USB device

- Connect your USB device to the USB cable which you placed in the dashboard or glove box during installation of the car radio. When connecting a USB device, the unit will read the files automatically. You need to choose Music/Video/Photo to play back.
- To remove the USB device, you should first select another source, in order to avoid damaging the USB device.

Music Playback

Select [Music] on the applications menu, the unit will display all the music on the mobile storages.



1. List the files by artist

Touch to spread the album of the artist.
Touch an album to show the songs list.

2. List the files by album

Touch to show the songs list.

3. List the files by song

4. Show your playlist

5. Show playing menu.

6. List window

Drag up/down to scroll.
Touch and hold to show control sub-menu.

Play/Pause

When playing, press [] button to pause, and the sound will be mute.

Press [] button to play.

Previous/next track

Press or button to go to previous or next track.

Fast forwarding or reversing

Press and hold or button to fast backward/forward.

Select Music by Artist

- Touch [Artists] on the top of the screen.
- Touch an artist shown on the list.
- Select a song to play.

Select Music by Album

- Touch [Albums] on the top of the screen.
- Touch an album shown on the list.
- Select a song to play.

SD/USB Operations

Select Music by Song Name

1. Touch [Songs] on the top of the screen.
2. Select a song to play.

Playlists

Add a song to playlist

1. Long press a song and select [Add to playlist].
2. Add it to an exist playlist or [New]. If choose [New], you need input a name of the playlist.

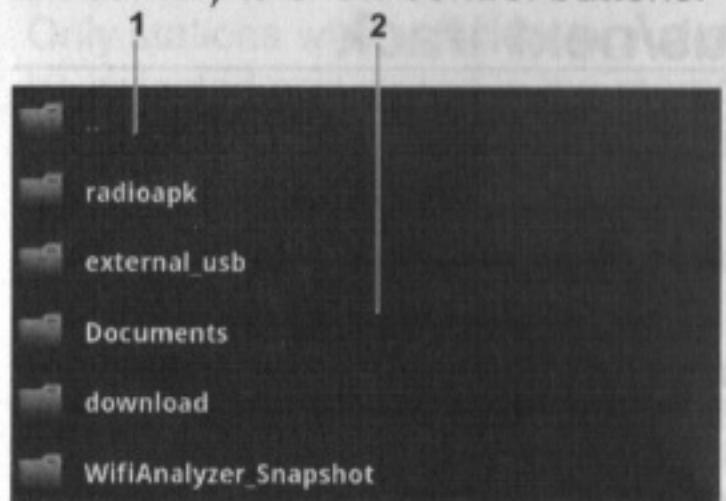
Delete a song from playlist

1. Touch [Playlists], and select a playlist name on the screen.
2. Long press a song name.
3. Select [Remove from playlist].

Video Playback

Select [Video] on the applications menu, the unit will display all the video files on the storages.

During playback, touch the screen(except top left corner) to show control buttons.



1. Back
2. Folder/File list
Drag up/down to scroll
Touch to access



3. Progress bar
4. Previous chapter

5. Fast backward
6. Play/Pause
7. Fast forward
8. Next chapter

Notes

- Disconnect USB storage devices from the unit when not in use.
- Use an optional cable to connect the USB audio player/USB memory as any device connected directly to the unit will protrude out from the unit and may be dangerous.
- Do not use unauthorized products.

SD/USB Operations

Gallery Operations

Select [Gallery] on the applications menu to visit gallery. Select one gallery to show the picture list. Select to view it.



Touch the picture to show control buttons.



1. Return to gallery menu
2. Return to list of current album.
3. Current picture number/total picture number
4. Browse pictures automatically
5. Show setting buttons
6. Zoom
7. Share the picture with Bluetooth/Facebook/Gmail.
8. Delete the picture
9. Show more setting buttons



Details: Show picture information

Set as: Set the picture as background

Crop: Crop the picture. Hold the border of frame to scale it, and drag inner side to move it.

Rotate Left/Rotate Right: Rotate the picture counterclockwise/clockwise.

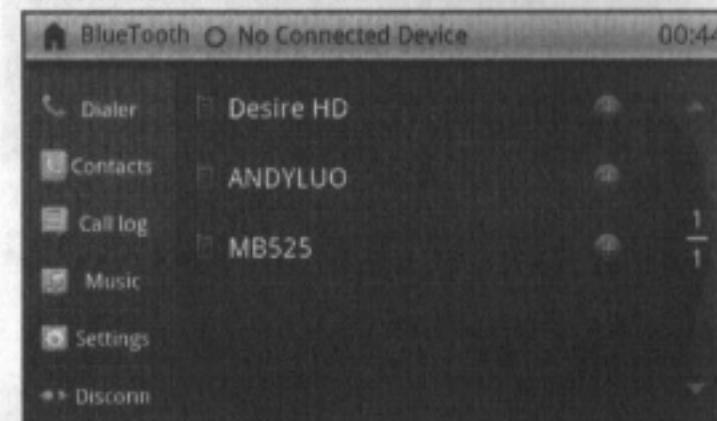
Bluetooth Operations

The Bluetooth allows you to utilize your car's built-in audio system for wireless mobile phone or music handsfree communication. Some Bluetooth mobile phones have the audio features, and some portable audio players support Bluetooth feature. This system can play audio data stored in a Bluetooth audio device. The car stereo with Bluetooth will be able to retrieve phonebook contacts, received call, dialled call, missed call, incoming calls, outgoing call and listen to music.

Notes:

- Do not set the microphone of Bluetooth handsfree in the places with wind passing such as air outlet of the air conditioner, etc. This may cause a malfunction.
- If set it in the places subjected to direct sun, high temperature can cause distortion, discoloration which may result in a malfunction.
- This system will not operate or may operate improperly with some Bluetooth audio players.
- The unit cannot guarantee the compatibility of all mobile phones together with the unit.
- Audio playback will be set to the same volume level as set during telephone call. This might cause problems, if extreme volume level is set during telephone call.

Touch [Bluetooth] on the main menu to enter Bluetooth mode.

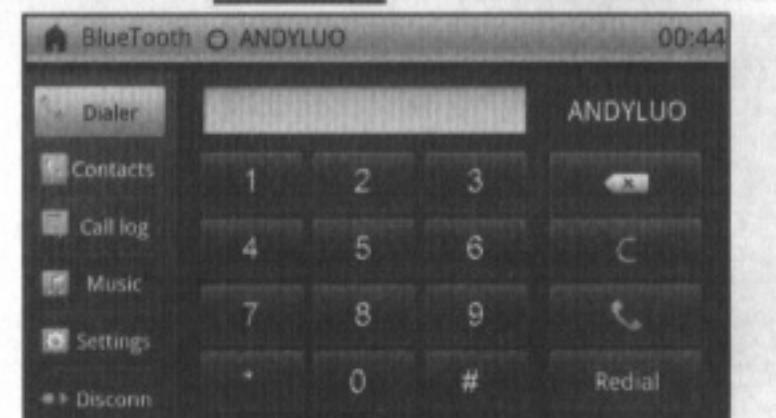


1. Touch [Settings]. If the button beside "Bluetooth" shows grey, touch it to turn on the function.
2. Turn on Bluetooth function of your mobile phone.
3. Search for new Bluetooth devices on your phone. Select "BETTER" from the pairing list on the mobile phone, and enter password (Default password: 0000)

Making a call

Dial Number

1. Touch Dialer to enter dialing menu.



2. Input numbers by digit-keys on the screen.
Touch button to delete a number.
Touch button to delete all the numbers.
3. Touch button to dial out.
4. Touch button to terminate call.
5. Touch Redial to redial the last call.

Answering a call

You can answer an incoming call by pressing the button.

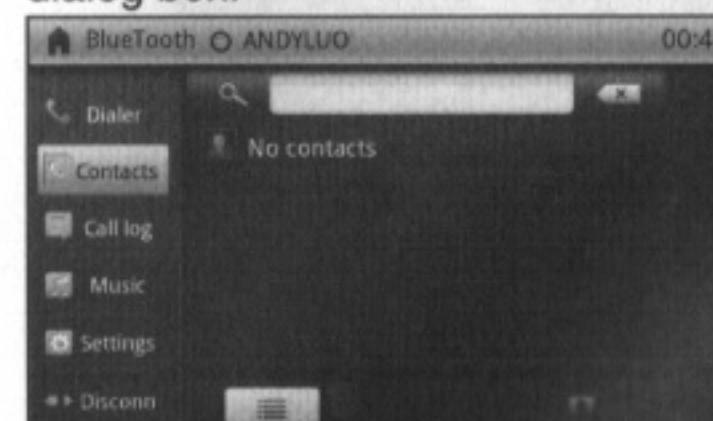
Touch button to reject an incoming call.

Disconnect

To disconnect a paired device, touch button, touch button beside mobile phone on the list, then delete it.

Searching the contact

Touch button, input the keys in the dialog box.



Touch to choose searching type.

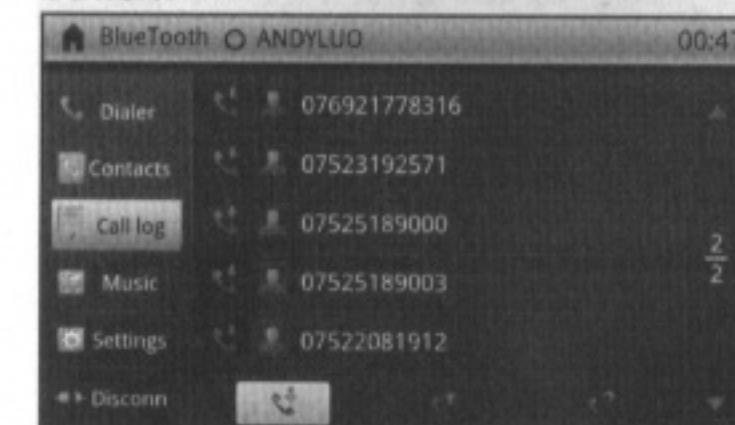
To search for contacts, touch at the top of the screen.

Search for contacts by entering the first few letters of the name.

Bluetooth Operations

Call History

Access Call History by touching button.



Then touch the button on the bottom to show Dialed/Missed/Received phone numbers.

- Received
- Dialed
- Missed

Bluetooth Audio

What is audio streaming?

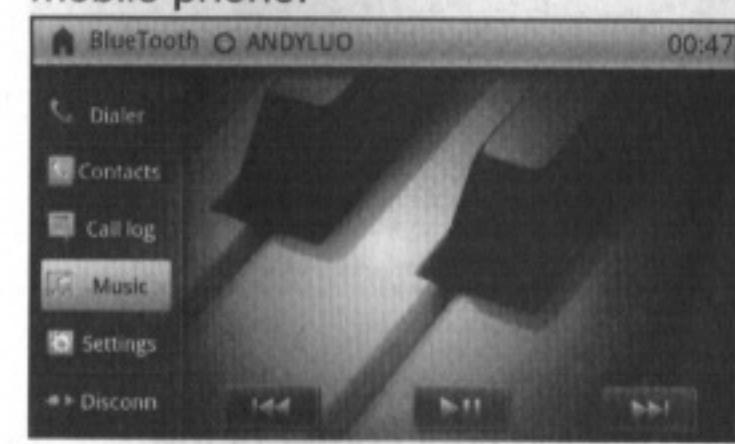
Audio streaming is a technique for transferring audio data such that it can be processed as a steady and continuous stream. Users can stream music from their external audio player to their car stereo wirelessly and listen to the tracks through the car's speakers. Please consult your nearest dealer for more information on the product of wireless audio streaming transmitter offered.

CAUTION

Please avoid operating your connected mobile phone while audio streaming as this may cause noise or sound choppy on the song playback.

Audio streaming may or may not resume after telephone interrupt as this is dependent on mobile phone.

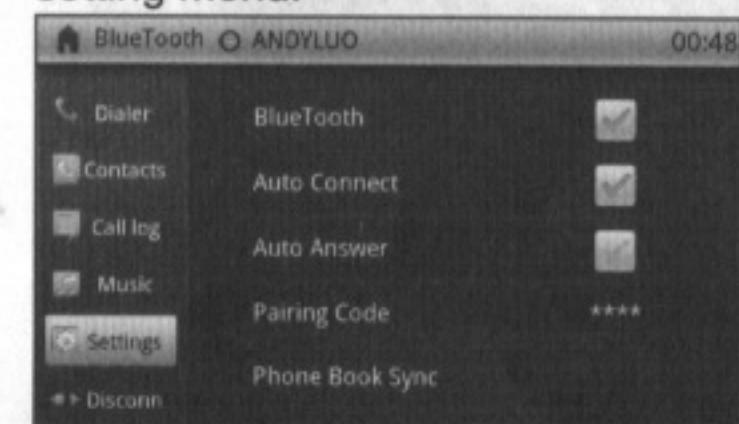
Touch button to play music on your mobile phone.



- Previous track
- Play/Pause
- Next track

Bluetooth Settings

Touch button to show Bluetooth setting menu.



- turns green, the function is on.
- turns grey, the function is off.

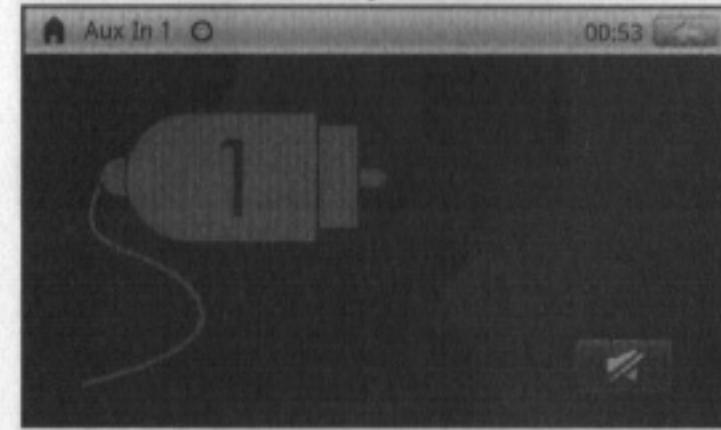
Other Mode

Navigation Operations

To navigate by the unit, select [Navi] on the main menu to visit Navigation mode. Then Navigate by the touch screen.

AUX Operations

Select [AUX IN 1] on the main menu to visit front auxiliary device, and select [AUX IN 2] to enter rear auxiliary device.



File Explorer

Select [File Explorer] on the applications menu to view the files and folders on the SD card. The USB files and folders are in the folder named "external_usb".

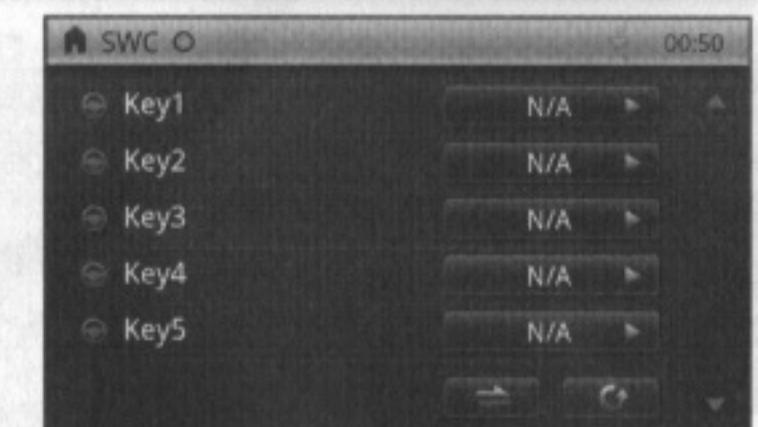
You can install applications and edit files/folders.



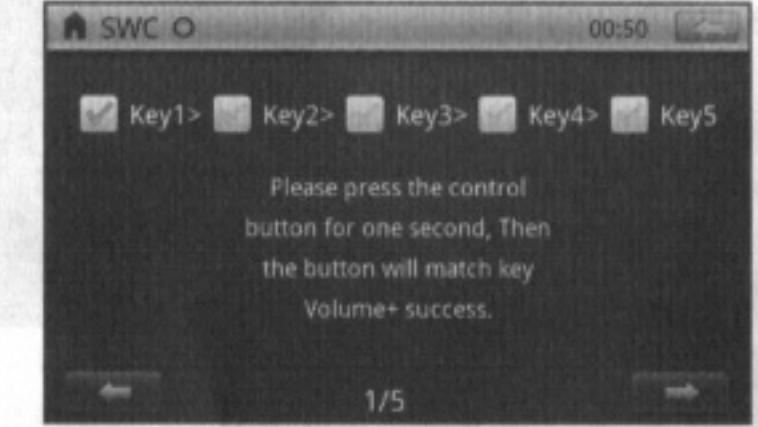
Steering Wheel Control

Select [SWC] on the main menu to enter SWC setting menu.

1. Touch **N/A** button to the right of one key to show optional functions.



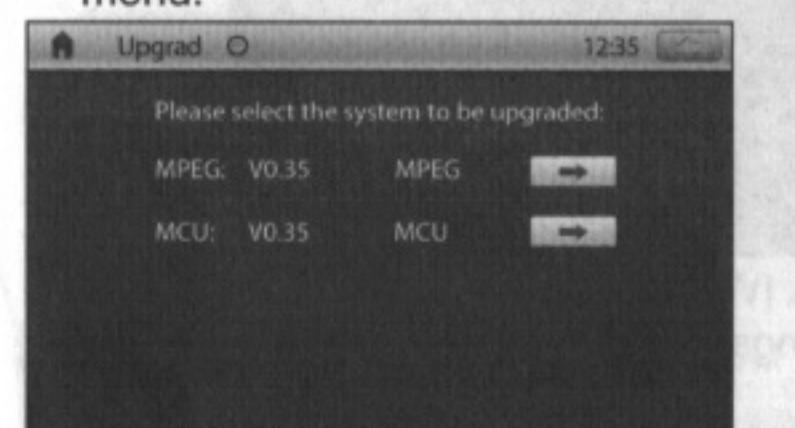
2. Double tap an icon to select it.
3. After select all desired keys, touch **OK** button, then press the keys on your steering wheel following the hints on the screen.



4. To reset, touch **OK** button, then select **OK**.

MCU/MPEG Update

1. Insert an USB with MCU/MPEG update files.
2. The unit will load the files and enter update menu.



3. Operate following the hints on screen.

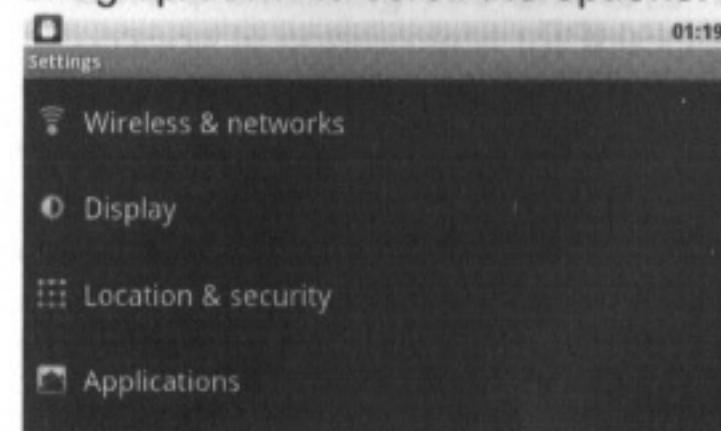


4. The unit will restart after updated.

System settings

Select **[]** on the main menu to enter setting mode.

Drag up/down to scroll the options.



Wireless & networks

To setup the wireless configuration, such as Wi-Fi, VPN, 3G network.

* For 3G APN settings, refer to "Internet".

Display

To setup display brightness and window animations.

Location & security

To setup network security.

Applications

To setup application installation, management and development.

Accounts & sync

To configure and synchronize the accounts.

Privacy

Backup and restore

You can back up your settings and application data on Google server. And restore if needed.

Factory data reset

Erases all data on device.

SD card & device storage

To view SD card and USB device information.

Search

To setup web or phone searching mode.

Language & keyboard

To setup OSD language and keypad type or define user dictionary.

To add a word, press [MENU] button on the panel.

Voice input & output

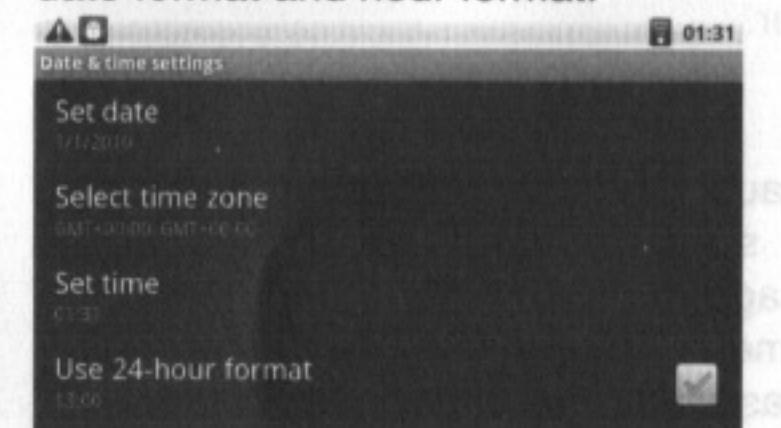
To setup the input and output voice.

Accessibility

To setup accessibility related applications. You need download a screen reader and establish an account.

Date & time

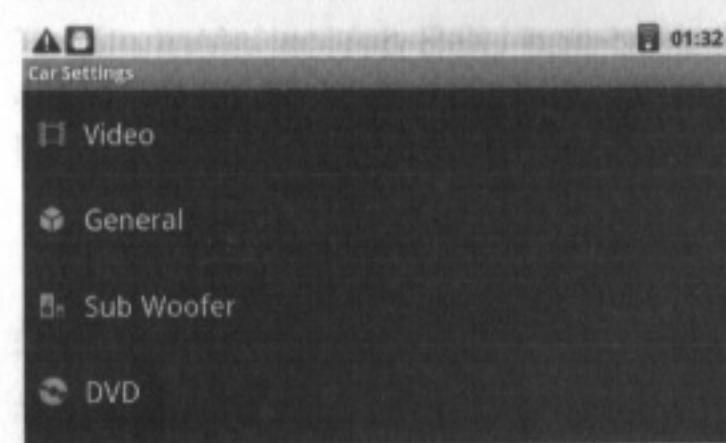
To adjust date and time, select time zone, date format and hour format.



Choose menu to setup source

System settings

Car Setting



Video

- Video input: Choose video input mode
- Rear camera: Choose rear camera display mode.
- Parking: Turn on/off parking function. If on, the moving images were forbidden while driving.

General

- Lighting: Choose button backlight.
- Radio region: Choose radio region.
- Radio range: Choose radio seeking mode: local or distance.
- Blackout: Choose screen blackout off, 10s or 20s.
- Beep: Turn on or off button beep sound.
- Calibration: To calibrate the screen.

Sub Woofer

- Sub woofer: Turn on/off the sub woofer effect.
- Sub woofer filter: Choose the filter of sub woofer.

DVD

- DVD audio: Choose DVD audio language.
- DVD subtitle: Choose DVD subtitle language.
- Disc menu: Choose DVD menu language.
- Set password: To set password for rating. Input 4-digit password, touch [√] to confirm, touch [DEL] to delete a number inputted. Touch [X] to exit.
- Rating level: To setup the rating level. Kid safe, G, PG, PG-13, PG-R, R, NC-17, Adult.

Input Gain

Choose input volume gain of each source.

Sound setting

Select [EQ] on the main menu to enter sound setting mode.

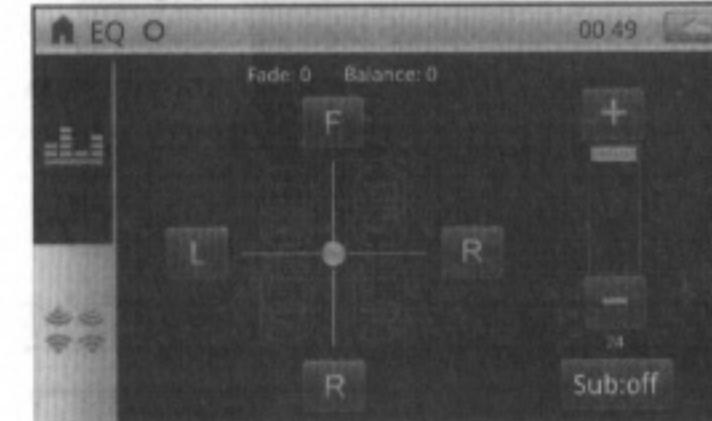
Touch [+] or [-] to adjust the level of Bass/Mid/Treb/LPH/MPF/HPF.

Touch [◀] or [▶] to select preset EQ.



Touch to enter Fader/Balance/Sub setting menu.

Touch [L](Left) or [R](Right) to setup Balance, touch [F](Front) or [R](Rear) to setup Fader.



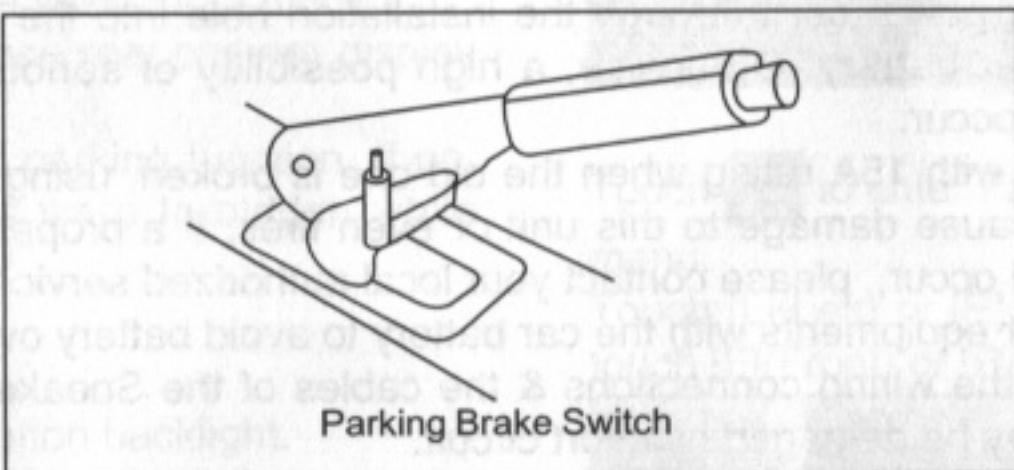
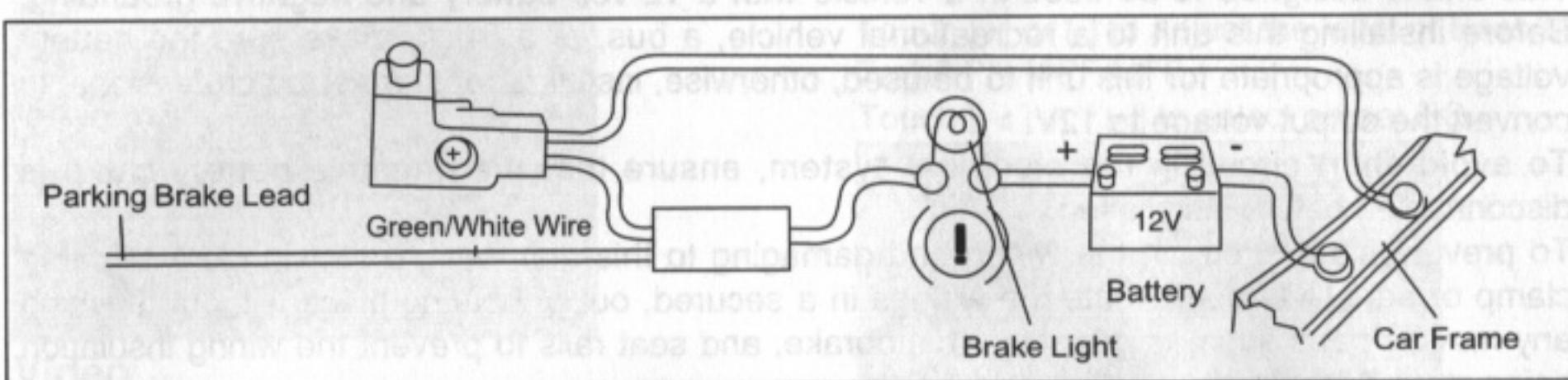
Device Connections

Notes of connection

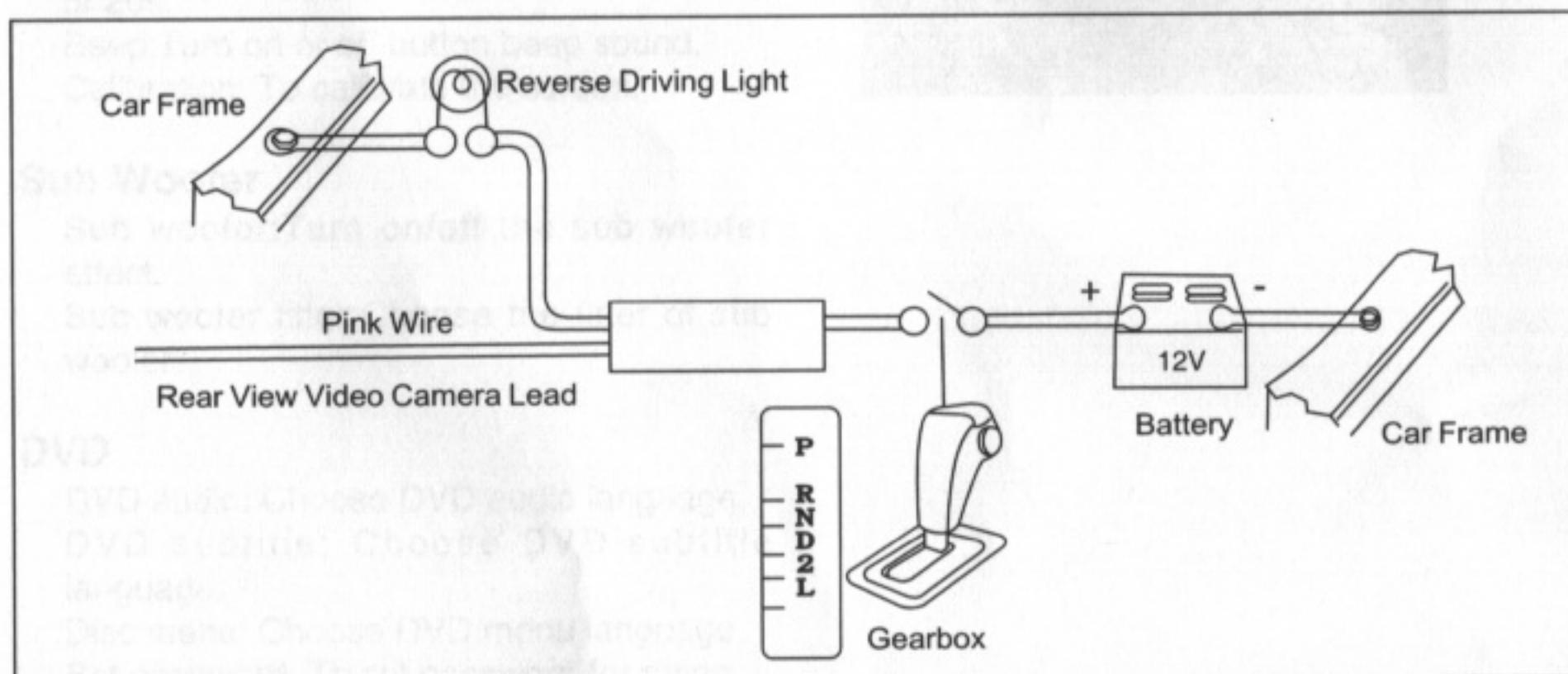
- This unit is designed to be used in a vehicle with a 12-volt battery and negative grounding. Before installing this unit to a recreational vehicle, a bus, or a truck, make sure the battery voltage is appropriate for this unit to be used, otherwise, install a transformer by professional to convert the 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 / worn 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 occur.
- Replacing a new fuse with 15A 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 your local authorized service agent.
- 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 result.
- Never ground the speaker output to prevent the damage to the built-in power amplifier.

Device Connections

Parking Brake Cable Connections

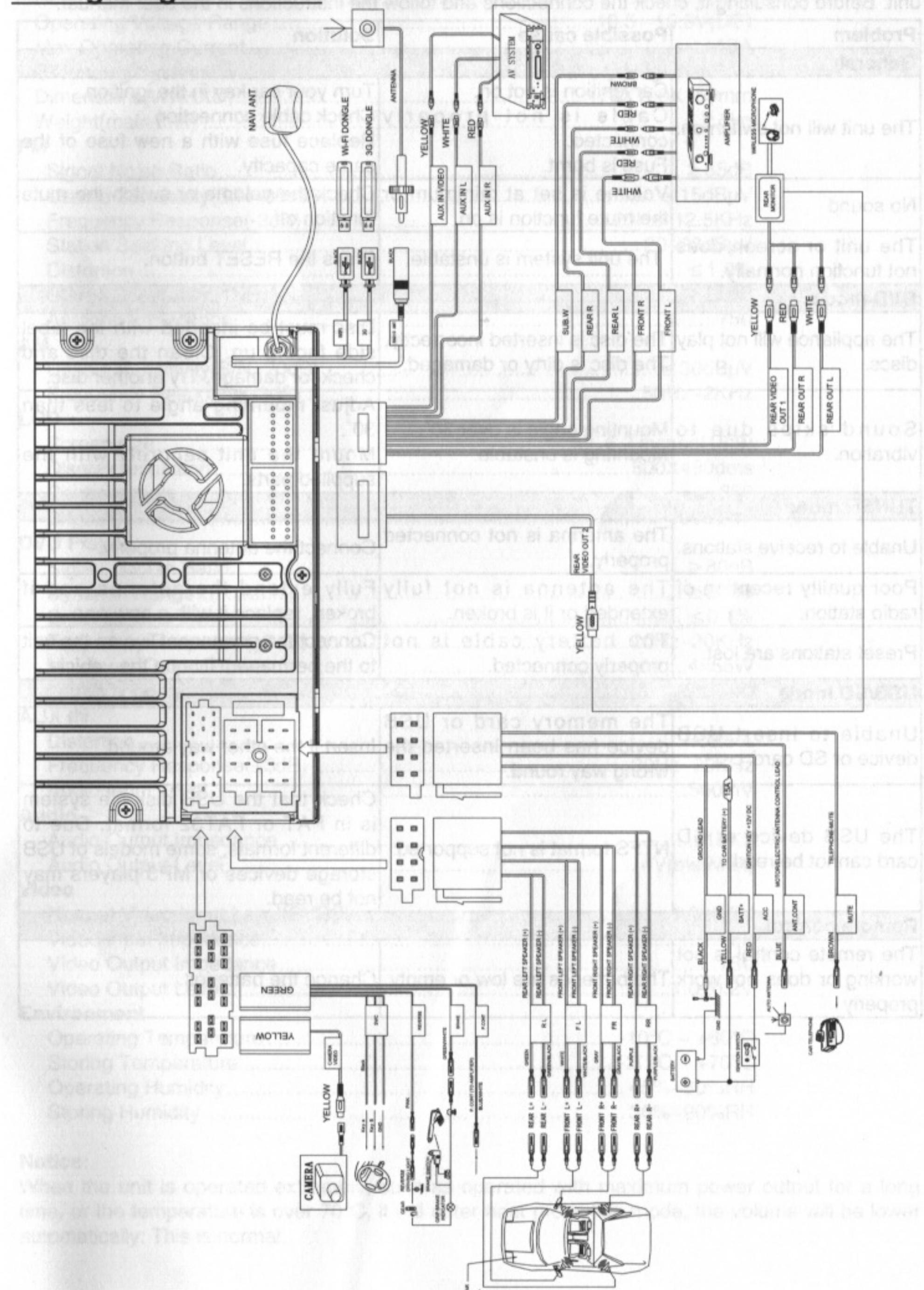


Reverse Driving Cable Connections



Device Connections

Wiring Diagram



Troubleshooting

The following checklist can help you solve the problems which you may encounter when using the unit. Before consulting it, check the connections and follow the instructions in the user manual.

| Problem | Possible cause | Solution |
|---|---|---|
| General | | |
| The unit will not switch on. | Car ignition is not on. Cable is not properly connected. Fuse is burnt. | Turn your car key in the ignition. Check cable connection. Replace fuse with a new fuse of the same capacity. |
| No sound | Volume is set at minimum or the mute function is on. | Check the volume or switch the mute function off. |
| The unit or screen does not function normally. | The unit system is unstable. | Press the RESET button. |
| DVD mode | | |
| The appliance will not play discs. | The disc is inserted incorrectly. The disc is dirty or damaged. | Disc must be inserted with the label side facing up. Clean the disc and check for damage. Try another disc. |
| Sound skips due to vibration. | Mounting angle is over 30°. Mounting is unstable. | Adjust mounting angle to less than 30°. Mount the unit securely with the supplied parts. |
| TUNER mode | | |
| Unable to receive stations. | The antenna is not connected properly. | Connect the antenna properly. |
| Poor quality reception of radio station. | The antenna is not fully extended or it is broken. | Fully extend the antenna and if broken, replace it with a new one. |
| Preset stations are lost. | The battery cable is not properly connected. | Connect the permanent live on the unit to the permanent live on the vehicle. |
| USB/SD mode | | |
| Unable to insert USB device or SD card. | The memory card or USB device has been inserted the wrong way round. | Insert it the other way around. |
| The USB device or SD card cannot be read. | NTFS format is not supported. | Check that the USB disk file system is in FAT or FAT32 format. Due to different formats, some models of USB storage devices or MP3 players may not be read. |
| Remote control | | |
| The remote control is not working or does not work properly | The batteries are low or empty. | Change the batteries. |



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)..... | 178X100X159mm |
| Weight(main unit) | 2.5kg |

FM

| | |
|------------------------------------|-----------------|
| Signal Noise Ratio | ≥55dB |
| Usable Sensitivity(S/N=30dB) | ≤15dB μ V |
| Frequency Response(-3dB) | 20Hz~12.5KHz |
| Station Seeking Level..... | 20~28dB μ V |
| Distortion | ≤1.0% |
| Stereo Separation(1KHz) | ≥25dB |
| Antenna Impedance | 75Ω |

AM

| | |
|------------------------------------|---------------|
| Usable Sensitivity(S/N=20dB) | ≤30dB μ V |
| Frequency Response(-3dB) | 50Hz~2KHz |

LCD

| | |
|--------------------------|----------------------|
| Screen size..... | 6.2 inches(16:9) |
| Display resolution | 800X480dots |
| Contrast radio | 600 |
| Brightness..... | 400cd/m ² |

DVD Player

| | |
|--------------------------------|------------|
| Signal / Noise Ratio | ≥80dB |
| Dynamic Range..... | ≥80dB |
| Distortion(line out) | ≤0.1% |
| Frequency Response(±3dB) | 20Hz~20KHz |
| Maximum Output Power | 4x55W |
| Load Impedance | 4Ω |

AUX IN

| | |
|--------------------------------|------------|
| Distortion | ≤0.5% |
| Frequency Response(±3dB) | 20Hz~20KHz |
| Audio Input Level..... | 500mV |

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 |

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.