



ADAYO

CE4AD5

DVD/VCD/CD/MP3/MP4/USB/SD/iPod player
with BLUETOOTH/GPS player
with FM/AM TUNER

OWNER'S MANUAL

ADAYO

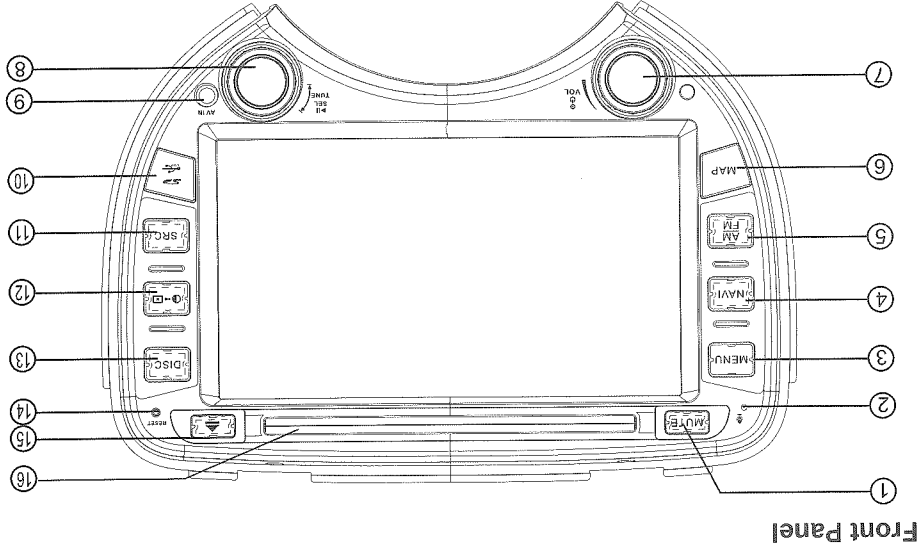
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1. Never disassemble or adjust the unit without professional guidance.
For details, please consult any professional car shop / dealer for inquiry.
2. If the front panel or TFT monitor is soiled, please use a clean silicone cloth and neutral detergent to wipe off the spot. Using a rough cloth and non-neutral detergent such as alcohol for cleaning may result in scratching or decoloration of the unit.
3. If the unit malfunctions, please refer to the troubleshooting guide of this manual. If no relevant information is found, please press the [RESET] key on the front panel to resume to 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 water droplets coagulating an inside the unit. DO NOT use the unit in this situation, eject the disc and wipe off the droplets on the disc. If the unit still does not work after a few hours, please contact an after-sales service centre.
6. Do not apply force to the LCD monitor when it is in an open position in order to prevent damage to the internal mechanisms
7. To prevent damaging the screen, avoid touching it with sharp objects.
8. The monitor has an automatic motorized mechanism. In order to prevent damaging it, do not manually push, pull or swivel the monitor.
9. To provide a clear and easy understanding of the operation of this unit, graphic illustrations are used. However, these illustrations may be different from the actual images displayed on the screen.
10. Operate the unit correctly according to this manual to prevent unnecessary problems. The guarantee will not be valid if the problem is caused by inappropriate operation.

2	Precautions
4	Before using
4	Front Panel
5	Remote Control
6	Notes for use of Remote Control
6	Uninstall Battery
6	Install Battery
7	Basic operations
7	Power On/Off
7	MUTE
7	Volume adjustment
7	Main Menu/Source menu and selection
7	Reset the unit
8	Open Source Menu
8	Playing Source Selection
8	Set Date /Time
8	Set Clock Mode
8	Set Time Zone
8	Set Time
9	Radio mode
9	Select Radio as Playing Source
9	Select One Radio Band
9	Tune
9	Preset Station
9	Local Seeking
9	EQ Selection
10	RDS mode
10	TA function
10	PTY function
11	Playback
11	Insert a disc
11	Eject the disc
11	Touch screen controls
11	Connect USB Device
11	Remove the USB Device
12	Insert SD/MMC Card
12	Remove the SD/MMC Card
12	Onscreen control icons
13	Play
13	Pause
13	Stop
13	Fast rewind/Fast forward
13	Play the next or previous file
13	Repeat playback
13	Repeat A-B
14	Random playback
14	DVD menu/title
14	Select audio channel
14	Select subtitle language
14	Rotate picture
14	Playback information display
15	Select a particular file
16	Playback information
17	Bluetooth mode
17	Pair the Bluetooth-enabled Devices
17	Disconnect Bluetooth Device
17	Make a Call
18	Receive a Call
18	Switch Phone Call to the Mobile
18	Adjust Bluetooth Settings
18	Play Music
19	Pod mode
21	Other modes
21	AUX
21	GPS
21	Wall paper
21	TV(optional)
22	SWC
23	Setup
23	Display System
23	General Settings
23	Sound
24	Video Settings
24	Language
24	Volume Settings
24	Reset
25	Adjust sound
27	Device connections
28	Specifications
30	Appendix
32	Troubleshooting



Front Panel

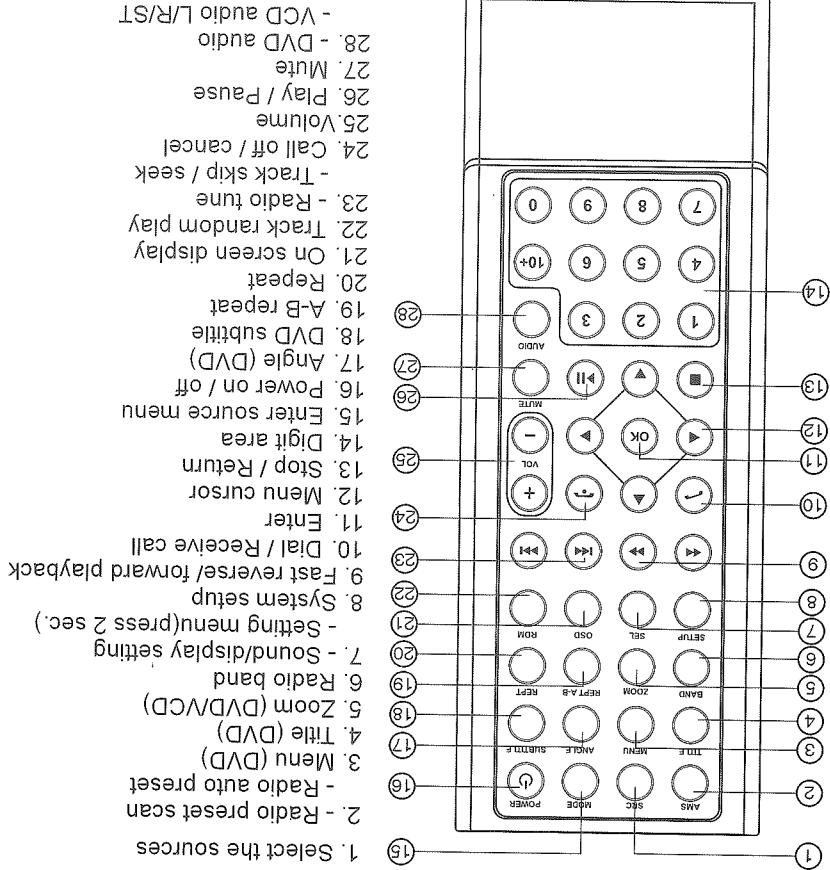


Note:

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

1. [MUTE] key: Press to silence the audio volume.
2. Microphone
3. [MENU] key: Return to the home menu.
4. [NAVI] key: Navigation
5. Band switch: FM1-FM2-FM3-AM1- AM2
6. Map card slot
7. [VOL / ϕ] knob:
Press to turn the unit on. Press and hold again to turn the unit off.
Turn clockwise to increase the volume, and turn counter-clockwise to decrease the volume.
8. [TUNE / SEL / Π] knob:
Rotate to select next/previous track or preset station.
Press to play/pause.
Press and hold to enter EQ setting.
9. AV-in jack
10. SD card slot
11. [SRC] key: Switch the word source
12. [\odot - \square] key: Adjust screen brightness (press)
13. [DISC] key: Disc.
14. [Reset] key: Load the original setting
15. [Δ] key: Eject disc
16. Disc slot

Remote Control

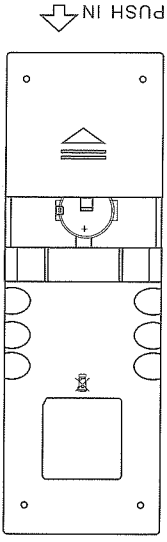
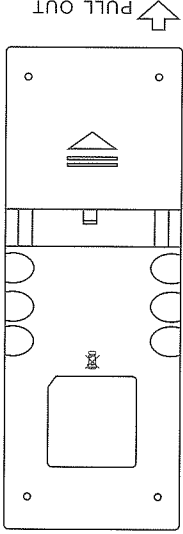


Notes for use of Remote Control

- 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 in direct sunlight or in a high temperature environment, or it may not function properly.
- 4) The battery can work for 6 months under normal conditions. If the remote control does not 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 the proper direction according to the (+) and (-) poles.
- 8) Store the battery out of the reach of children to avoid the risk of accident.

Uninstall Battery

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



Install Battery

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

Power On/Off

Turn on: short-press [VOL / ψ] in the front panel or [POWER] in the remote control.
Turn off: after being turned off by long-pressing [VOL / ψ] in the front panel or [Power] in the remote control

MUTE

Press [MUTE] key in the front panel or in the remote control, to shut the audio output from system.

Notes:

- 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.

Volume adjustment

Turn the volume knob on the front panel or press the [VOL] key in the remote control.
The adjustable range of volume is 0 to 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 in being displayed.
2. Press [\leftarrow], [\rightarrow] below main menu, or slide horizontally in the empty area in the user interface, switch between pages to choose playing source.
3. press [SRC] in the remote control, to switch among different source.

Notices:

- (1) Playing source refers to unit's working mode, such as DVD, Radio or Camera, etc.
- (2) For 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.

Open Source Menu

Press the [MENU] key on the front panel or touch the top left corner of the screen to open the SOURCE MENU.

Playing Source Selection

Open the SOURCE MENU, and then touch the source you desired or select one source by moving the cursor and then confirm.

Note:

Playing source selection means selecting work mode, such as DVD mode, Radio mode, etc.

Set Date /Time

1. Touch the upper left corner to display main menu.
2. Touch [Settings].
3. Touch [Time].

The setup menu is displayed.

Set Date

1. Touch [Date].
2. Touch the date information on the screen.
3. Touch [\blacktriangle] / [\blacktriangleright] to set year, month and day.

Set Clock Mode

1. Touch [Time mode].
2. Touch [12H] or [24H] to switch clock mode.

Set Time

1. Touch [Time].
2. Touch the time on the screen, a submenu is displayed.
3. Touch [\blacktriangle] / [\blacktriangleright] to set hour and minute.

Tip:

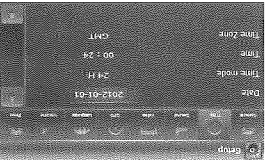
When date/time is set, touch the upper left corner of screen to exit.

Set Time Zone

1. Touch [Time Zone].
2. Touch the time on the screen, a submenu is displayed.
3. Touch [\blacktriangle] / [\blacktriangleright] to set time zone.


Tip:

The time zone default setting is " GMT".
The unit time zone must be consistent with the navigation map time zone.



Select Radio as Playing Source
Open the SOURCE MENU and then touch [Radio].



Select One Radio Band

Touch the [] icon on the user interface to select one radio band among FM1, FM2, FM3, AM1 and AM2.



Tune

Auto tuning



Touch and hold [] / [] icon on the user interface more than 1 second to seek a higher / lower station.
To stop searching, repeat the operation above or press other keys having radio functions.

Note:

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

Manual tuning



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

Touch [] / [] icon on the user interface to tune in a higher / lower station.

Preset Station


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 total.

Preview scan

Short- press the [] icon and auto scan among station when a station is received and the played for 5 seconds.
Long- press the [] icon, only stations with sufficient signal strength will be detected and stored in the memory. When you want to listen to the station, don't need to search again, and only need to press the number button.

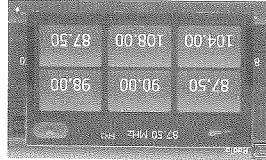


Manual store


1. Tune to a station.
2. Touch [].
3. Touch one of the channels P1 to P6 to save the selected band.

Recall a preset station


1. Touch [Radio].
2. Select the desired band.
3. Touch one of the preset channels (P1 to P6) on the bottom of the screen.



Local Seeking

Touch the [] icon and choose the Radio Local or Distance.
When the [LOC] icon turns red, only stations with sufficient signal strength will be detected.

EQ Selection

Press the [] icon and enter the EQ setup.

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:

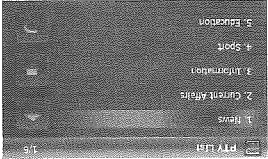
During auto switching radio frequency, some interference could be heard.
Turning off AF function can settle this problem.

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).
Then 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.




Insert a disc

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

Notes:

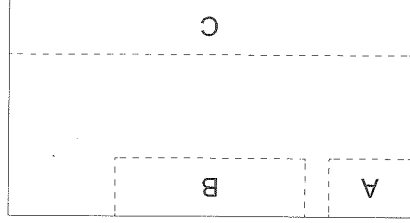
- ① Please confirm whether there is a disc in the unit before you insert another one.
- ② Some recorded discs, such as CD-R, CD-RW, DVD-R, DVD+R, DVD-RW, DVD+RW cannot be played back because of different recording status. Otherwise, the discs without being closed could not be played back.
- ③ About the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

Eject the disc

Press the  key on the front panel or remote control 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:



Connect USB Device

1. Open the USB door.
2. Insert the USB slot.

Remove the USB Device

1. Select other source on the main menu.
2. Remove the USB device.

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 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.











Insert SD/MMC Card

1. Open SD/MMC card cover.
2. Insert the SD/MMC card into the SD/MMC card slot.

Remove the SD/MMC Card

1. Select other source on the main menu.
2. Press the card until you hear a click sound.
3. Remove the SD or MMC card.



Onscreen control icons

Disc type	MP3/WMA	CD	VCD	DVD	Picture
	Numeric keypad	Numeric keypad	Numeric keypad	Numeric keypad	Numeric keypad
	Fast forward	Fast forward	Fast forward	Fast forward	Fast forward
	Fast backward	Fast backward	Fast backward	Fast backward	Fast backward
	Previous	Previous	Previous	Previous	last picture
	Next	Next	Next	Next	Next picture
	Play/Pause	Play/Pause	Play/Pause	Play/Pause	Play/Pause picture
	Stop	Stop	Stop	Stop	Stop
	Repeat	Repeat	Repeat	Repeat	Repeat
RPT	Segment repeat	Segment repeat	Segment repeat	Segment repeat	Segment repeat
A-B	Subtitles	Subtitles	Subtitles	Subtitles	Subtitles
SUBTITLE					
TITLE					
SETUP					
MENU					
ANGLE					
OSD					
AUDIO					
	EQ setup				
	Random				
MUSIC	Music file				
PHOTO	Picture file				
VIDEO	Video file				





Play





Once a disc, USB / SD card is inserted, play starts automatically.

Pause




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

Stop



For audio files, press the  icon to stop, and the screen will display [PRE STOP ■] 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 STOP ■] 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

Press the  icon to fast forward. Press the  icon to select the previous file, and press  to select the next file.

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 (PGC OFF)	CHAPTER → REP ALL → OFF
CD	REP 1 → REP ALL → OFF
MP3/WMA	REP 1 → REP DIR → REP ALL → OFF
MP3	REP 1 → REP DIR → REP ALL → OFF
PICTURE	REP 1 → REP DIR → REP ALL → OFF


Notice: When play the VCD disc, open the [PGC] function and the [repeat] function is abated.

Repeat A-B

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



REPEAT A- → REPEAT A-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. RANDOM [ON]: start random play RANDOM [OFF]: 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, open the onscreen control icons menu and then touch the [AUDIO] icon repeatedly to change dialogue language.

1 ENGLISH H. 5.1CH
2 ENGLISH H. 2CH
3 FRENCH 5.1CH

Select subtitle language

Open the onscreen control icons menu and then touch the  icon repeatedly to choose a subtitle language.

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.

Select a particular file

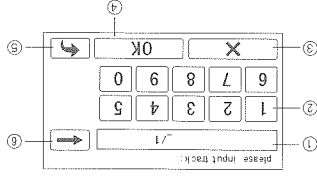
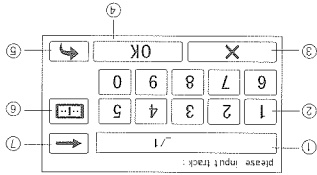
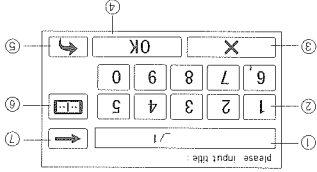
During playing the DVD disc / USB/SD, touch anywhere except for the upper left corner to display menu on the screen.

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

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

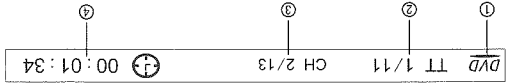


- ① input area
- ② choose area of the track and number
- ③ delete the input track and number
- ④ affirm the input track and number
- ⑤ exit the setup interface
- ⑥ delete the input track and number step by step

Playback information

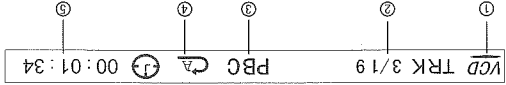
Touch the top center area of TFT LCD when playing back DVD discs/VCD discs/USB/SD the playback information will be displayed on the top area of the TFT.

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 VCD:



- ① Disc type.
- ② VCD Title information. "3/19" indicates that this VCD 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.

3、For USB:



- ① Device type
- ② USB title information. "3/19" indicates that this USB 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.

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. You can also listen to music from a Bluetooth-enabled device.

Pair the Bluetooth-enabled Devices

To connect your Bluetooth device to the unit, you need to pair the device to the unit. Pairing needs only to be done once. You can pair up to five devices.

1. Turn on the Bluetooth function on the device.
2. Search for Bluetooth device with the device.
3. Select the Bluetooth device ID in the pairing list.
4. Enter default password "0000".

If pairing succeeds, phone call record is displayed.



Tip:

- The operational range between this unit and a Bluetooth device is approximately 10 meters (30 feet).
- Before you connect a Bluetooth device to this unit, familiarize yourself with the Bluetooth capabilities of the device.
- Compatibility with all Bluetooth device is not guaranteed.
- Any obstacle between this unit and a Bluetooth device can reduce the operational range.
- Keep this unit away from any other electronic device that may cause interference.

Disconnect Bluetooth Device

To disconnect one device, touch [].



Tip:

- The device will also be disconnected when the device is moved beyond the operational range.
- If you want to reconnect the device to the unit, place it within the operational range.
- If you do not want to reconnect the device to the unit automatically, touch [], then touch [Auto connect] until [Off] appears after [Auto connect]. For details, see the "Adjust Bluetooth settings" section.

Make a Call

1. Select [Bluetooth] in the home menu.
 2. Pair the phone with the unit.
 3. Touch [], [] to select the paired phone, touch it to select.
 4. Touch [], [] to search for phone number from the following list:
 - [Missed calls]
 - [Received calls]
 - [Dialed calls]
 - [Phone book]
- Or touch [] to dial number directly, then touch [] to dial.



Receive a Call

- By default, all incoming calls are received automatically.
1. If there is incoming call, the "incoming call..." appear on the screen. Speak into the Bluetooth microphone.
 2. When conversation ends, touch [] to terminate the call.



Tip:

- You can select to receive calls manually by set [Auto answer] to [Off] status.

Switch Phone Call to the Mobile

- If you do not want your passenger to hear your incoming call, you can switch the call to the mobile.
1. During talking, touch [].
- The voice is transferred from the unit's loudspeaker to the mobile phone.

Adjust Bluetooth Settings

1. In Bluetooth menu, touch [].
The option menu is displayed.
2. Touch on the selected option to change the setting.
 - [Bluetooth]: to turn on or off "Bluetooth" function.
 - [Auto connect]: to turn on or off "Auto connect" function.
 - [Auto answer]: to turn on or off "Auto answer" function.
 - [Pairing code]: to set pairing code.
 - [Phone Book Sync]: to synchronize phone book, touch [] on the sub-menu popped out.



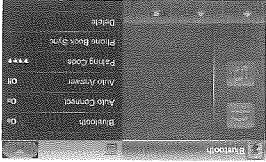
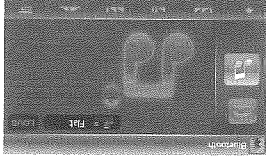
Tip:

- You can also adjust Bluetooth settings in the "Settings" menu.

Play Music

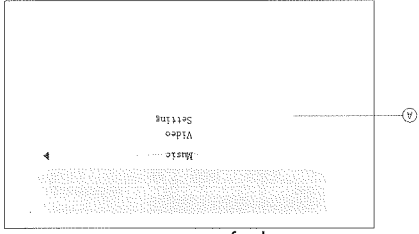
If the connected Bluetooth device supports Advanced Audio Distribution Profile(A2DP), you can listen to the music stored on the device through the unit. If the device also supports Audio Video Remote Control Profile(AVRCP), you can use the control on the unit or its remote control to play music stored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

1. Pair the device 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.



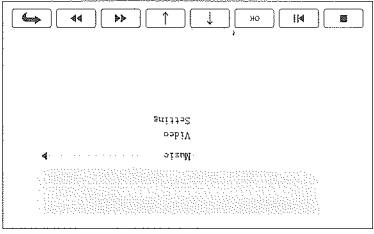
Select iPod as playing source

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

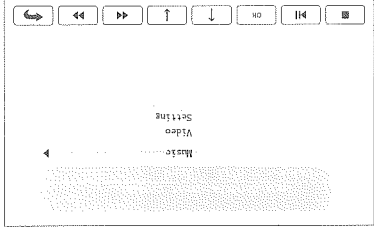


Operation:

1. Operate the main menu by pressing the icons, 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 of screen shows control menu.

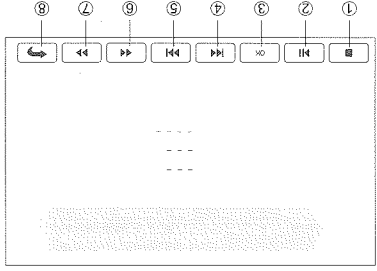


For audio files



1. Touch [Music] to display all available audio folders.
2. Touch a folder, then touch or to select a file.

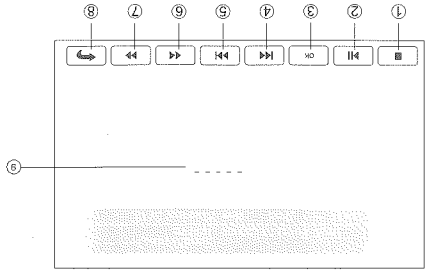
- ① pause
- ② play
- ③ ensure to the selective file
- ④ previous
- ⑤ next
- ⑥ fast forward
- ⑦ fast rewind
- ⑧ return the last operation



For video files

1. Touch [Video] to display all available video folders.
2. Touch a folder, then touch or to select a file.

- ① pause
- ② play
- ③ ensure to the selective file
- ④ previous
- ⑤ next
- ⑥ fast forward
- ⑦ fast rewind
- ⑧ return the last operation
- ⑨ display



For Setting

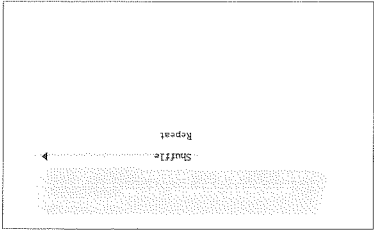
1. Touch [Setting] on the screen.
The current Equalizer setting is displayed.
2. Touch or to select.

• Shuffle

- > Shuffle off
- > Shuffle Songs
- > Shuffle Albums

• Repeat

- > Repeat off
- > Repeat One
- > Repeat All



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 'AV_IN' to enter AUX IN mode.


GPS

Navigation system is supported by the unit.

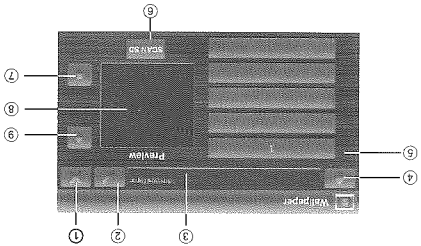
Open the "SOURCE MENU", and select "GPS" mode to enter.

For the GPS system is independent and complicated, for more details, please refer to "Navigation manual" (Not included in this manual).

Wall paper

Press the  icon to enter wall paper setup.

- ① Cancel 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 Delete the route images stored
- ⑥ Scan the information of SD
- ⑦ Skip to the previous image stored in external device
- ⑧ Skip to the next image stored in external device



TV(optional)

Touch [TV] in the main menu to switch to TV mode, and touch the center of the screen to show control buttons.

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 'AV_IN' to enter AUX IN mode.

Navigation system is supported by the unit.

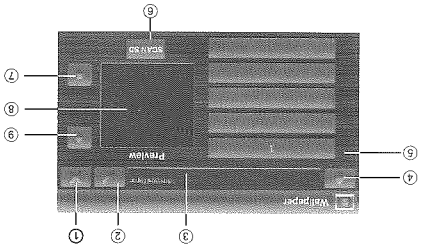
Open the "SOURCE MENU", and select "GPS" mode to enter.

For the GPS system is independent and complicated, for more details, please refer to "Navigation manual" (Not included in this manual).

Wall paper

Press the  icon to enter wall paper setup.


- ① Cancel 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 Delete the route images stored
- ⑥ Scan the information of SD
- ⑦ Skip to the previous image stored in external device
- ⑧ Skip to the next image stored in external device



TV(optional)

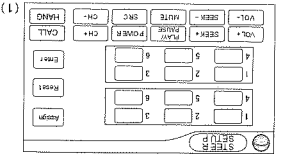
Touch [TV] in the main menu to switch to TV mode, and touch the center of the screen to show control buttons.

SWC

1. Open the main menu, and press the  icon to enter the next page.

Select SWC source to enter.

Shown as figure 1.

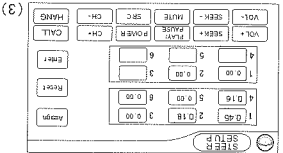


2. Press the [VOL+], [VOL-], [SEEK+], [SEEK-], [MUTE] button orderly. Shown as figure 2.



Each time you press the button, the numerical value of the button will appear on the setup menu accordingly.

Shown as figure 3.

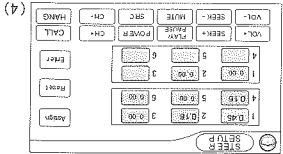


Note:

Figure 3 illustration maybe not as same as the actual image found on the unit for the different car models.

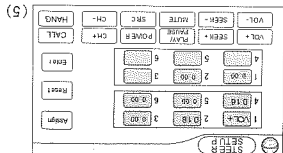
3. Press the [Assign] icon, and then press one number. The number will be highlighted.

Shown as figure 4.



Then you press the desired function the number will change to the function word correspondingly.

Shown as figure 5.



4. Follow the method of Figure 3 illustration to setup each icon, then press [Enter] to confirm and store. Press the upper left corner of the screen to exit.

Display System

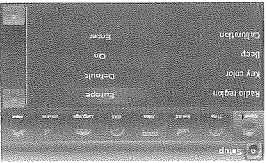
1. Touch the upper left corner to display main menu.
2. Touch [←] in the nether right corner of the screen. The second main menu is displayed.
3. Touch [Settings].

The settings menu is displayed.



General Settings

1. Touch [General], if necessary.
2. Touch [↓] or [↑] to highlight a setting.
3. Touch on the option to display/select an option.
4. Touch blank area of the screen to exit.



• Radio area

Touch [▲] / [▼] to select the desired radio region.

• Key color

Repeatedly press the control bar on the screen to select the key color.



Note:

Key color of graphic illustration may be different from actual setting, just for your reference.

• Beep

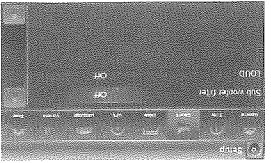
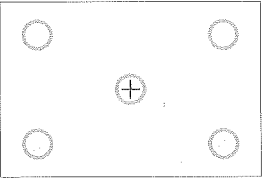
On: Background sound of key-press is on.
Off: Background sound of key-press is off.

• Calibration

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

Adjust the response positions of the touch panel as follows:

1. Press the [Calibration] icon on the setup menu to enter.
2. Touch [▲] / [▼] to select [Enter].
3. Use a pointed object to touch the center of [+], the [+] will move automatically.
4. Aim at center of [+], follow the path as shown of the figure, after steps from 1 to 5, the system will exit calibrating automatically.

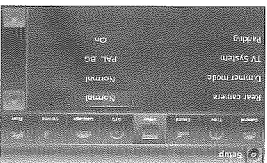


Sound

- Sub woofer filter
On: Sub woofer is on.
Off: Sub woofer is off.
- LOUD
On: Loud is on.
Off: Loud is off.

Video Settings

- Rear camera
Touch [Rear camera] to select the desired image mode.
- Dimmer mode
Touch [▲] / [▼] to select the desired dimmer mode.



• Parking

When it is in Parking "On" mode, if you play the video disc, the screen will appear "WARNING". The above warning screen will prevent the driver watching images.

Language

Touch [Language] to select the desired Language.



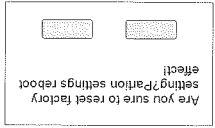
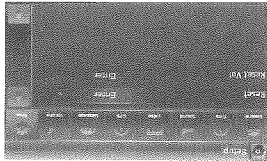
Volume Settings

You can set different volume for different modes.
1. Touch [Volume].
The volume setting sub-menu is displayed.

2. Touch on a source.
3. Touch [▲] / [▼] to assign the value.
When switches to the source, the volume increases automatically.
4. Touch the upper left corner of the screen to exit.

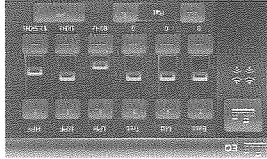
• Reset

1. Touch [Reset], and display the interface of the reset setting.
2. Touch [Enter] to enter the interface, and touch [] to reset.
3. Touch the upper left corner of the screen to exit.



Select Preset Equalizer
You can select preset equalizer:

- [User]
- [Rock]
- [Flat]
- [Class]
- [Jazz]
- [Techno]
- [Optimal]

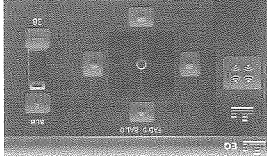


1. Touch [≡] on the screen.
The current Equalizer setting is displayed.
2. Touch [+] or [-] to select an EQ.
3. Touch [+] or [-] to adjust below settings:
 - [Bass] bass range: -7 to +7
 - [Mid] middle range: -7 to +7
 - [Treble] treble range: -7 to +7
 - [LPH] low pass filter range: 60, 80, 100, 200
 - [MPF] middle pass filter range: 0.5K, 1K, 1.5K, 2.5K
 - [HPF] high pass filter range: 10K, 12.5K, 15K, 17.5K
4. Touch [↶] to restore the above settings into default settings.
5. Touch the upper left corner of the screen to exit.

Adjust Fader/Balance

You can also adjust the front and rear speaker balance, the left and right speaker balance, and subwoofer settings.

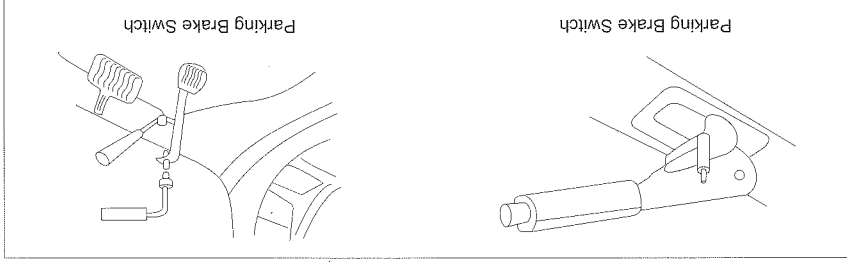
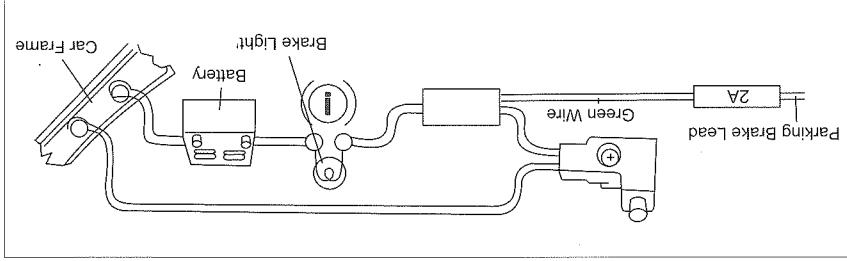
1. Touch [≡] on the screen.
Below options are displayed:
2. Touch [🔊].
3. Touch [+] or [-] to select subwoofer volume.
4. Touch [▲], [▼], [▶], [◀] to adjust fader/balance value.
 - [Sub] subwoofer volume: 0 to 38.
 - [Fade] fader range: -7 to +7 (F=front range, R=rear range)
 - [Balance] balance range: -7 to +7 (L=left range, R=rear range)
5. Touch the upper left corner of the screen to exit.



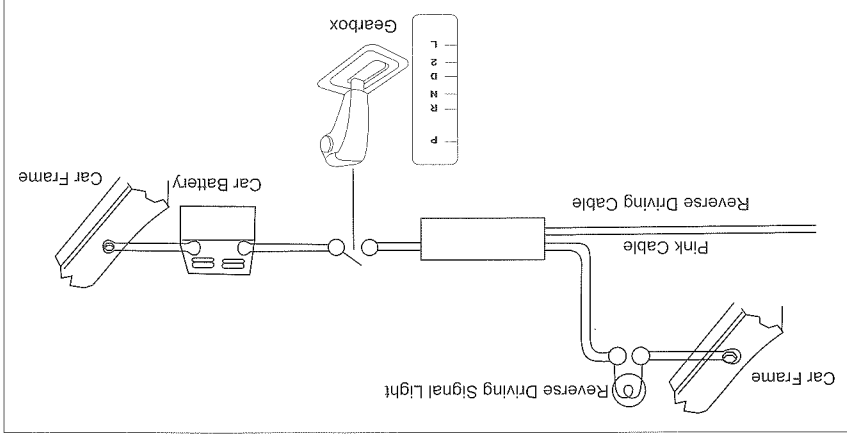
Notes of connection

- 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.

Parking Brake Cable Connections



Reverse Driving Cable Connections



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)	231x160x182mm
Weight(main unit)	2.3kg

FM

Signal Noise Ratio	≥ 60dB
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
Screen size	7inches
Display resolution	800X480dots
Contrast ratio	500
Brightness	450cd/m ²

DVD Player

Signal / Noise Ratio	90dB
Dynamic Range	90dB
Distortion(line out)	≤ 0.1%
Frequency Response(±3dB)	20Hz~20KHz
Maximum Output Power	4x45W
Load Impedance	4Ω

AUX IN

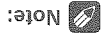
Distortion	≤ 0.5%
Frequency Response(±3dB)	20Hz~20KHz
Audio Input Level	1Vrms
Audio Output Impedance	100Ω
Audio Output Level	2Vrms(Max)

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



Note:

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 SD memory file format: FAT16, FAT32
- Mp3 bit rate (date 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 formats:

- 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, PCM audio files
- DRM protected WMA files(. wav, .m4a, . 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
- Xvid

Notice:

Specifications and the design are subject to change without notice due to improvements in technology.

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

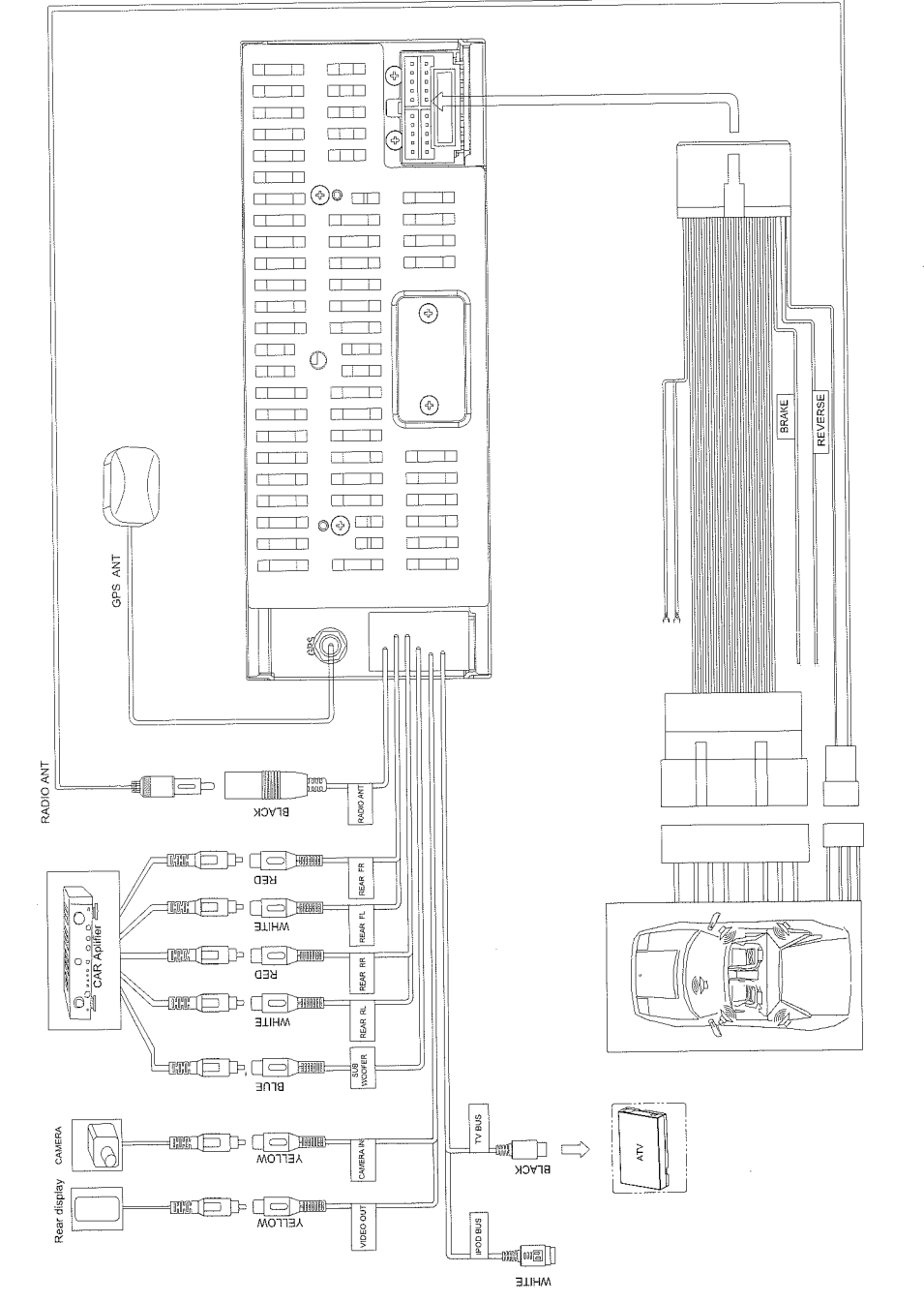
Use a dry, soft cloth to wipe the disc from center to edge, only neutral detergent can be used.

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



Troubleshooting

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

Problem	Cause	Corrective action
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.
	Battery depleted.	Change the battery.
Remote control does not work	Battery installed incorrectly.	Install the battery correctly.
	Improper audio output connection.	Check wiring and correct.
	Volume set too low.	Increase volume level.
	Speakers damaged.	Replace speakers.
No/low audio output	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.
	Pratic disc is in use.	Use original disc.
	Speaker power rating does not match unit.	Replace speakers.
Poor sound quality or distortion	Wrong connections.	Check wiring and correct.
	Speaker is shorted.	Check the 'MUTE' wiring and correct.
	MUTE wire is grounded.	Check wiring and correct.
	Incorrect connection between ACC and BATT.	Check wiring and correct.
Tel/Mute malfunction	Unit resets itself when engine is off.	
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
	Piratic disc is in use.	Use original disc.
	Video cable damaged.	Replace cables.
	Improper video signal connections.	Check wiring and correct.
Disc does not play back	A disc inside the unit already.	Eject current disc and insert new one.
	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.
PBC cannot be used during VCD playback	Disc is inserted upside down.	Insert disc with label side up.
	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.
Error messages		
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.
	Disc is dirty.	Clean disc with soft cloth.
Bad disc	Disc is dirty.	Clean disc with soft cloth.
	Disc is upside down.	Insert disc with label side up.
	Disc format is not compatible with this unit.	Use disc with compatible region code.
	DVD region code is not compatible with this unit.	Use disc with compatible region code.
General		