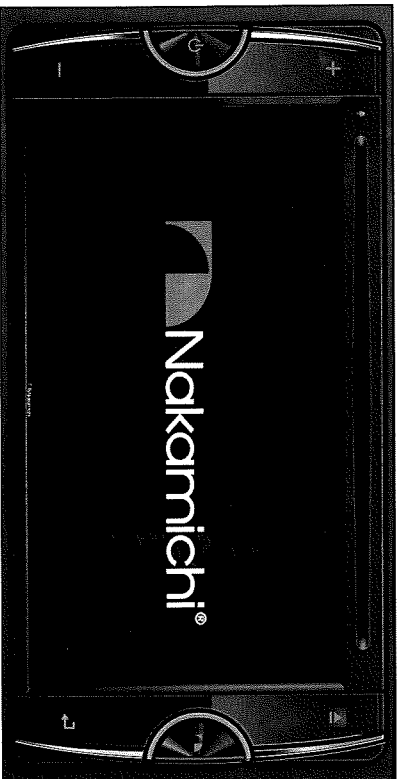




NA3709C
CD/VCD/DVD/MP3/USB PLAYER
GPS/BLEETOOTH
WITH FM/AM TUNER
User Manual

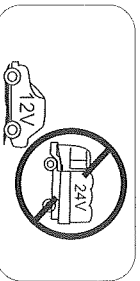


Enjoy the Lifestyle of In-Car Entertainment

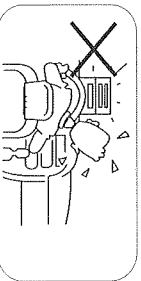
Safety Precautions

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

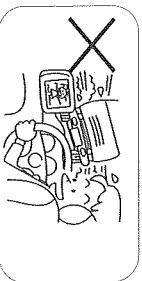
Only connect the unit to a 12-volt power supply with negative grounding.



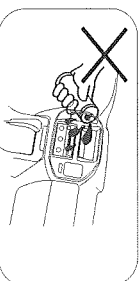
Never install this unit where operating it may impair safe driving conditions.



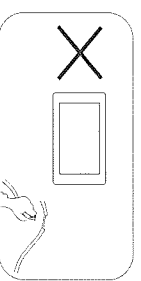
Never use the front video display function when driving, so as to prevent violating traffic regulations or causing an accident.



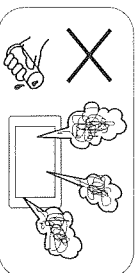
Never expose this unit, amplifier, and speakers to moisture or water to prevent electric sparks or fire.



Do not change the fuse on the power cord without professional guidance. Using an improper fuse may cause damage to this unit or even cause fire.



Please contact your nearest dealer if one of the following is experienced:



- (a). Water or other objects enter the unit.
- (b). There is smoke.
- (c). Peculiar smell.

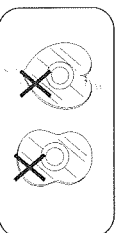
To ensure safe driving, please adjust the volume to a safe and comfortable level in case of emergency situations.

Caution

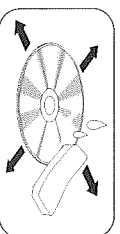
This product is a CLASS 1 LASER PRODUCT. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. Do not open covers and do not repair yourself. Refer servicing to qualified personnel.

Caution of Disc Using

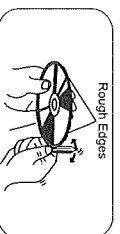
1. Never insert a 3-inch (8cm) CD contained in the adapter or an irregularly shaped CD. The unit may not be able to eject it,resulting in a malfunction.



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



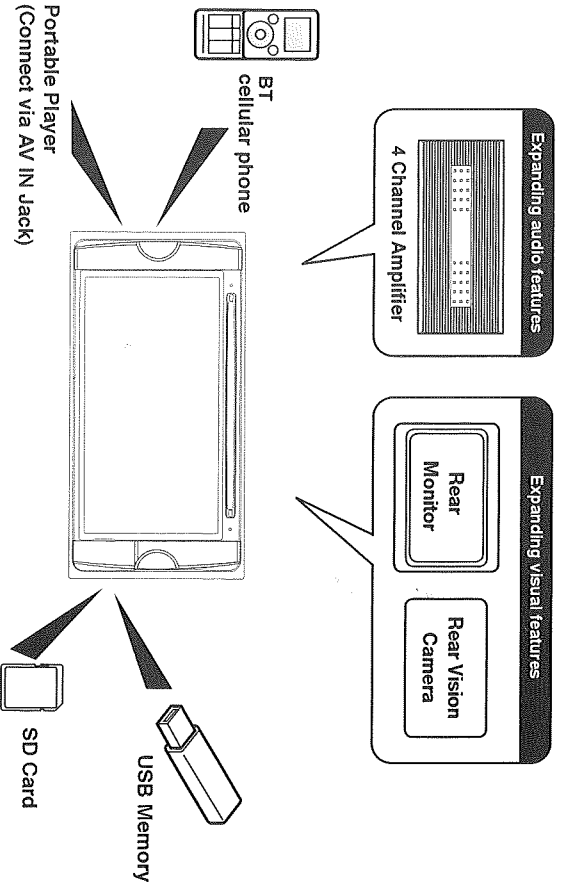
3. When playing a new disc. New disc may have some rough spots around the inner and outer edges. If such a disc is used, remove these rough spots with a pencil or ball-point pen, etc.




Safety Precautions

1. Never disassemble or adjust the unit without professional guidance. For details, please consult an authorised service provider or dealer.
2. If the front panel or TFT monitor is dirty, please use a clean silicone cloth and neutral detergent to clean. Using a rough cloth and non-neutral detergent such as alcohol for cleaning may scratch or discolour the monitor.
3. If the unit does not function normally, please refer to the troubleshooting guide of this manual. If no relevant information is found, please press the [RESET] button 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 the car heater in a low temperature environment may result in moisture collecting inside the unit, **DO NOT** use the unit in this situation. Eject the disc and wipe off the moisture on the disc. If the unit does not work after a few hours, please contact the service center.
6. Do not drop or bang the LCD monitor as this will damage it.
7. To prevent damage to the screen, avoid touching it with sharp objects.
8. Graphic illustrations are used to provide a clear demonstration and an easy way to understand how to operate this unit.
9. However, some illustrations are different from the actual images displayed on the screen.
9. Only operate the unit as described in this manual. Inappropriate operation will void the guarantee.

Expanding Systems

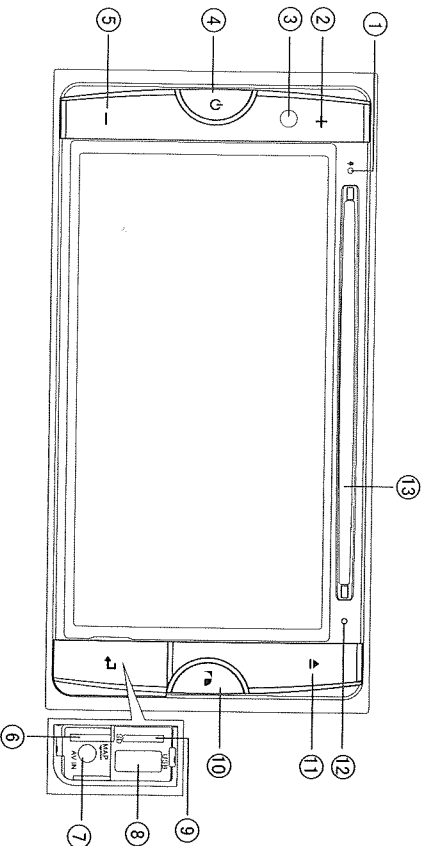


 **Note:** The items listed outside of the frame are the commercial products generally sold.

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Front Panel



Notice:

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

1. Internal Microphone

Internal microphone for Bluetooth calls.

2. [+] Button

Press to increase the volume. Press and hold to increase the volume continuously.

3. Remote sensor

4. [V] Button

Press to turn the unit ON. Press and hold to turn the unit OFF.

Press momentarily to activate the MUTE function. Press again to resume normal listening.

5. [-] Button

Press to decrease the volume in steps. Press and hold to decrease the volume continuously.

6. Map Slot

The Micro SD card is used for the Navigation Map only, not for music or other files. This may be used for firmware updates if required.

7. AV Input

Accepts a 3.5mm jack through which signals from various audio/video devices can be applied to the unit.

8. USB Connector

Connect a USB device for playback of music/video files.

9. SD Interface Connector

Insert an Micro SD card for playback of music/video files.

10. [F] Button

Press to switch between the main menu and current source.

Press and hold to adjust the screen brightness.

11. [A] Button

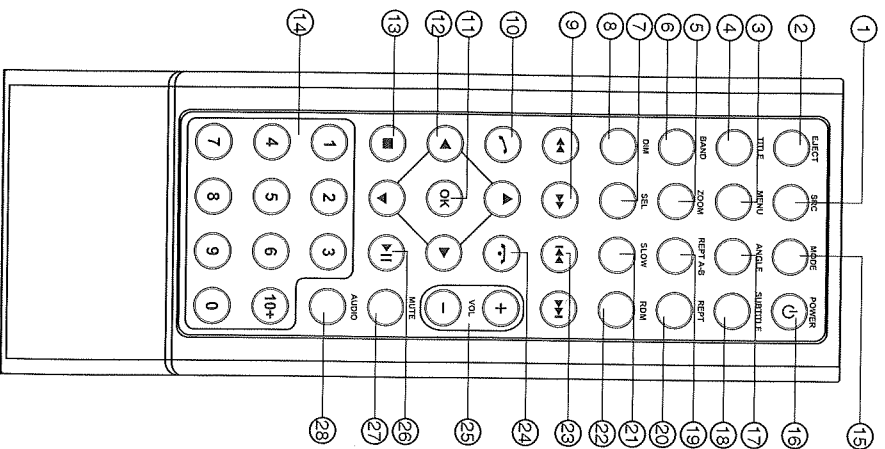
Press to eject a disc.

12. Reset Button

Press to reset system settings to factory default (except password and parental lock settings).

13. Disc slot

Remote Control



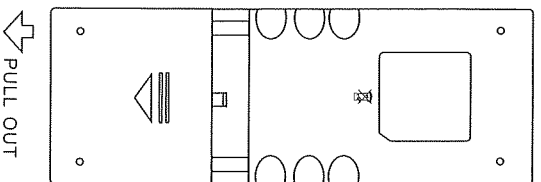
1. Select playing mode
2. Eject the disc
3. Enter the main menu of the disc
4. Enter the title menu of the disc
5. Zoom in /out on an image
6. Select radio band
7. EQ setting
8. Dimmer adjustment
9. Fast reverse/fast forward playback
10. Dial/Receive call
11. Enter
12. Menu cursor
13. Stop/Return
14. Digit area
15. Press to switch between the main menu and current source
16. Power on/off
17. Play/DVD disc in different angle for a scene
18. DVD language selection for subtitle
19. Setup to repeat playback from time frame A to time frame B
20. Repeat playback of current chapter
21. Slow playback
22. Play all chapter in random order
23. Radio tune
24. Track skip / seek
25. Hang up
26. Increase/Decrease volume
27. Pause play/Stop/Start playback
28. Change the audio language for disc playback

Notes on Remote Control Usage

1. Aim the remote control at the remote sensor on the unit.
2. Replace 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 high temperature environment, or it may not function properly.
4. The battery can work for 6 months under normal condition. If the remote control won'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.

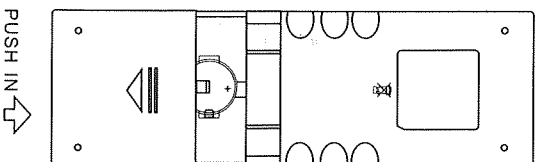
Uninstall Battery

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

Parking Brake Inhibit

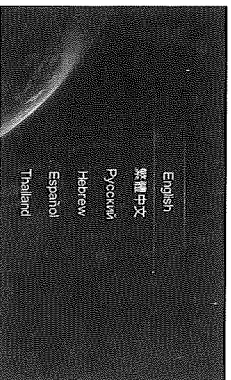
- When the "BRAKE" cable is connected to the brake switch, the display on the TFT monitor will display video only when the vehicle is applied.
- Parking brake function is overridden when the video source is set to REVERSE.
- When the parking brake inhibit is active, the front monitor displays "WARNING DO NOT WATCH VIDEO WHILE DRIVING!", preventing the driver from watching content while driving. Rear video screens are not affected.

Mute

Press [ψ] button to mute the volume from the unit. Press again to restore the volume. [ψ] is displayed on the LCD. Adjusting the volume or using any of the audio setup features cancels the mute function.

OSD language Selection

1. The available OSD languages are displayed when power on first time or after reset the unit.



Tap a language.

The OSD language is changed to the selected language immediately.

2. You can also select language in the settings.

Power On / Off

Press the [ψ] button on the unit to turn the unit on.

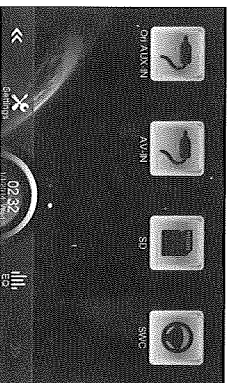
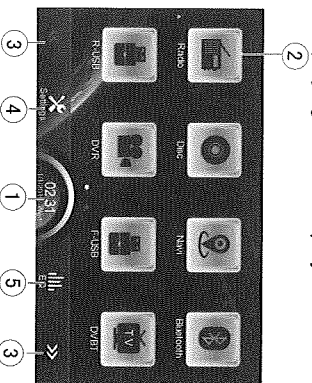
Press and hold the [ψ] button to power off the unit.

Audible Beep Confirmation

An audible beep tone confirms each function selection. The Beep tone can be disabled through the Setup menu.

Playing Source Selection

Press the [∇] button on the front panel to change between available playing sources. The playing mode is displayed on the screen.



1. Date and Time display.
2. Function icons
3. \ll or \gg : Touch this page button to view the first or second page of on-screen buttons. You also can drag left or right on the blank area to switch the pages.
4. Touch to Settings function.
5. Touch for quick access to Equalizer level settings.

Volume Adjustment

To increase or decrease the volume level, turn the [+] / [-] button on the front panel. The volume ranges from "0" to "39". The LCD or TFT screen displays the volume level for 3 seconds.

EQ Menu

The Audio Control feature allows you to easily adjust your audio system to meet the acoustic characteristics of your vehicle, which vary depending on the type of vehicle and its measurements. Proper setting of the Fader and Balance boosts the effects of the cabin equalizer.

Select Preset Equalizer

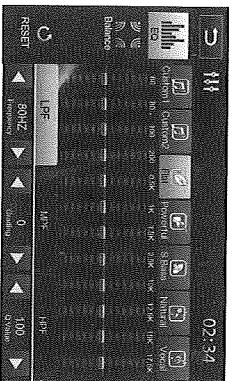
1. Enter the EQ setup mode

Touch the [EQ] icon in the user interface and the EQ setup interface will display on the screen.

2. Select EQ mode

- [Custom1] · [Custom2]
- [Flat] · [Powerful]
- [S.Bass] · [Natural]
- [Vocal]

3. [RESET]: Cancel the equalizer function settings.

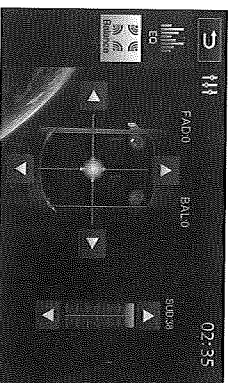


Adjust Fader/Balance

You can adjust front/back/left/right balance of the speaker and the subwoofer volume to get/larruping listening effect according to the surroundings and your interest.

1. Enter the EQ setup mode

Touch the [EQ] icon in the user interface and the EQ setup interface will display on the screen.



2. Adjust subwoofer volume

Touch [▲]/[▼] or drag [SUB0] to adjust subwoofer volume from 0 to 38.

3. Adjust fader / balance value

Touch [▲]/[▼]/[▲]/[▼] to adjust fader / balance value

- [▲]: Front speaker, fader range: 0 to 7.
- [▼]: Rear speaker, fader range: 0 to 7.
- [▲]: Left speaker, balance range: 0 to 7.
- [▼]: Right speaker, balance range: 0 to 7.



Note:

1. The parameters of the EQ modes has been preset and you can not change them besides 'User'.
2. The EQ mode will change to 'User' automatically when you adjust the frequency value in all modes besides 'User'.
3. The value of Sub is independent of EQ mode and can be adjusted separately.

Adjust EQ Parameters

To adjust EQ parameters, touch the parameters adjustment bar.

Touch [▲]/[▼] to adjust the parameters.

[LRF]

- Frequency range: 60, 80, 100, 200HZ
- Grading range: -15 to +15
- Q Value range: 1.00, 1.25, 1.50, 2.00

[MPF]

- Frequency range: 0.5, 1, 1.5, 2.5KHZ
- Grading range: -15 to +15
- Q Value range: 0.50, 0.75, 1.00, 1.25

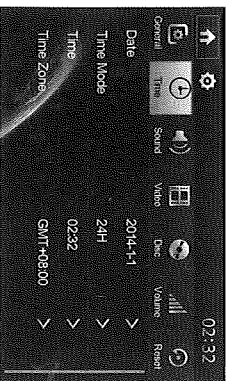
[HFP]

- Frequency range: 10, 12.5, 15, 17.5KHZ
- Grading range: -15 to +15
- Q Value range: 1.00

Set Date /Time

1. Touch [].
2. Touch [Time].

The date/time setup menu is displayed.



• Set Date

1. Touch [Date].
2. Touch the date information on the screen .
A submenu is displayed.

3. Touch [▲] or [▼] to set year, month and day.

• Set Time Mode

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

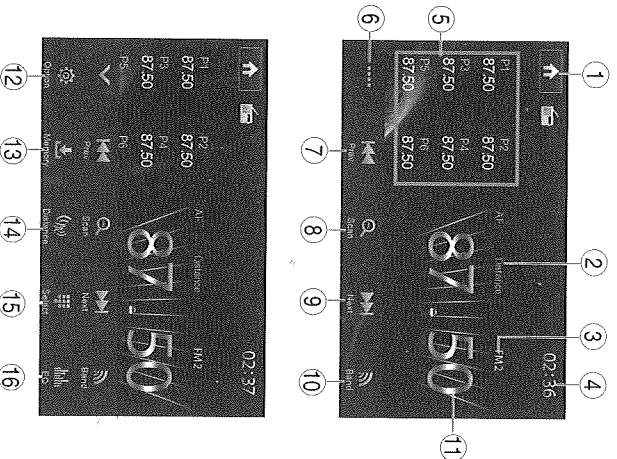
• Set Time

1. Touch [Time].
2. Touch the time on the screen, a submenu is displayed.
3. Touch [▲] or [▼] to set hour and minute.

• Set Time Zone

1. Touch [Time Zone].
2. A submenu will be displayed.
3. Touch to select the time zone you desire.
4. The time zone of the device default setting is " GMT +08:00 ".

Tuner TFT Display



1. Touch to view the SOURCE MENU and select a new playback source
2. Distant signal broadcasting indicator
3. Current radio band indicator
4. Clock
5. Broadcaster information stored at the preset
6. Touch to view more on-screen buttons
7. Touch to seek backward
8. Scan preset stations
9. Touch to seek forward
10. Touch to change between AM/FM bands
11. Current radio information
12. RDS setting options
13. Current band preset radio stations
14. Touch to change between Local and Distance
15. Enter frequency directly
16. Touch for quick access to Equalizer level settings

Select Radio as Playing Source

Open the Source Menu and then touch [Radio].

Select One Radio Band

Press the [BAND] button on remote control or touch the [🔍] icon on the user interface to select one radio band from FM1, FM2, FM3, AM1 and AM2.

Tune

Auto Tuning

Press the [◀] / [▶] button on the remote control briefly or hold [◀] / [▶] icon on the user interface for more than 1 second to seek a higher / lower frequency. 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.

Manual Tuning

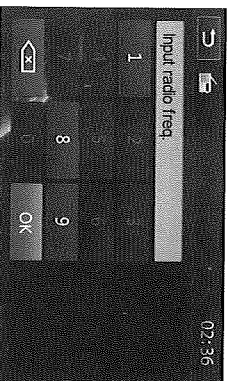
Method 1:

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

Press the [◀] / [▶] button on remote control or touch the [◀] / [▶] icon on the user interface to tune in a higher / lower station.

Method 2:

1. Touch the numeric keypad icon [🔢]. Numeric keyboard is displayed, touch number to input frequency.





2. Touch [X] to delete the input number step by step.
3. Touch [OK] to enter.



Preset Station

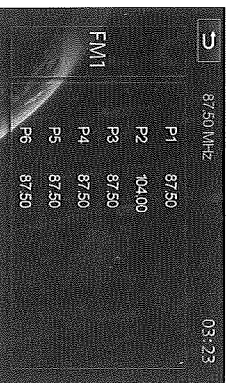
The unit has 5 bands, such as FM1, FM2, FM3, AM1, AM2, and each band can store 6 stations; hence the unit can store 30 stations in total.

Intro/Scan

Press the [] icon to intro. Each stored station will play for 5 seconds automatically. Hold down the [] icon to scan. Only stations with sufficient signal strength will be detected and stored in the memory. After scanning, P1 will play automatically.

Manual Store



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




Tune to a Preset Station

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

Local Seeking

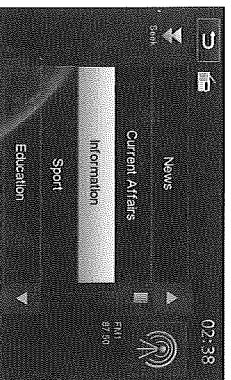
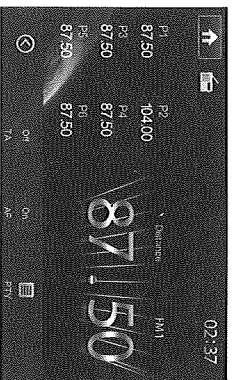
Touch the [] icon and choose the Radio Local or Distance. When the [] icon turns bright, only stations with sufficient signal strength will be detected.

EQ Selection


Press the [] icon and enter the EQ setup.

RDS Basics

RDS transmits data to the radio which displays information such as station identification, song artist, and song title. RDS service availability varies with areas. Please understand if RDS service is not available in your area, the following service is not available.



Adjust RDS Settings

1. In Radio menu, touch []. The option menu is displayed.
2. Touch on the selected option to change the setting.
 - [TA]: To turn on or off "TA" function.
 - [AF]: To turn on or off "AF" function.
 - [PTY]: To show PTY list.

RDS (Radio Data System)

The unit provides basic functions of RDS. RDS service availability varies with areas. Please understand if RDS service is not available in your area, the following service is not available.

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.



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.

Load a Disc

You can play video, audio or images stored on the following discs:

- DVD Video, DVD-R, DVD-RW
- VCD
- Audio CD, CD-R, CD-RW

Note:

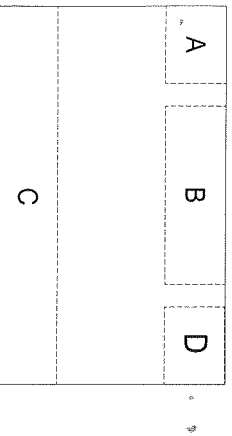
Ensure that the disc contains playable content.

Eject a Disc

Press the [▲] button on the front panel or remote control to eject the disc. When the disc is ejected, the unit switches to the previous source.

Touch Screen Controls

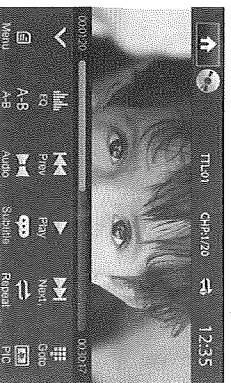
The touch key areas for DVD playback are outlined below:



- A: Return to the main menu
- B: Play the video and display playback information
- C: Display onscreen control menu
- D: Time display

Controlling Playback

To access the on-screen controls, touch the screen anywhere except for the upper left corner, and touch again to cancel display. Touch [•••••] to view all function icons.



Connect a USB Device

1. Open the USB door.
2. Insert the USB device into the USB slot. Play starts automatically.

Remove a USB Device

1. Select another source in the main menu.
2. Remove the USB device.



Insert/Remove a SD Card

- Insert
1. Open SD card cover.
 2. Insert the SD card into the SD card slot, the unit will read the files automatically.

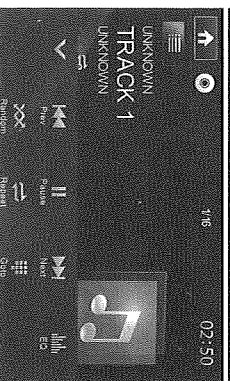
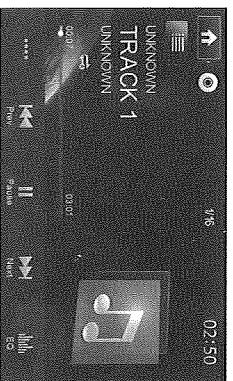
- Remove
1. Select another source in the main menu.
 2. Press the card unit you hear a click sound.
 3. Remove the SD card.

Note:

1. Not guarantee the unit can compatible with all the USB/SD devices;
2. Front USB can support charging (1A) for partial Android mobile;
3. To use the Rear USB, please come to Main Interface for access .

Play/Pause

1. Once a disc, USB is inserted, play starts automatically.
For DVD movie, if a menu appears, press [▶] to start play.
2. To pause, touch [⏸].
To resume play, touch [▶].



Previous/Next

Touch [◀] / [▶] icon on the screen to skip to previous / next track / chapter.


Search for a Folder

For Video Files


1. Touch [📁] to display all available video folders.

2. Touch a folder, then touch the desired file.
3. Touch the file again to start play.

For Audio Files



1. Touch [] to display all available audio folders.
2. Touch a folder, then touch the desired file.
3. Touch the file again to start play.

For Picture Files




1. Touch [] to display all available picture folders
2. Touch a folder, then touch the desired file.
3. Touch the file again to start play.

Repeat



For DVD/VCD movie disc:

1. Touch bottom half of the screen to display menu on the screen, if necessary.
2. Touch [] to display the 2nd menu.
3. Touch [] repeatedly to select:






• DVD

- [] Repeat chapter: Play the current chapter repeatedly.
- [] Repeat title: Play all chapters in the title repeatedly.
- [] Repeat all: Play all in the disc repeatedly.
- Repeat off: Cancel repeat play.

• VCD


- [] Repeat single: Play the current single repeatedly.
- [] Repeat all: Play all in the disc repeatedly.
- Repeat off: Cancel repeat play.

For CD/MP3/WMA files:

1. Touch anywhere except the upper left corner to display menu on the screen, if necessary.
2. Touch [] repeatedly:
 - [] Repeat single: Play the current single repeatedly.
 - [] Repeat all: Play all in the disc repeatedly.
 - [] Repeat folder: Play all in the current folder.
 - [] Repeat off: Cancel repeat play.



Repeat A-B

You can repeat a specific of video file (repeat A-B).

1. Touch the screen to display control menu, if necessary.
2. Touch [] to display the 2nd menu, if necessary.
3. Touch [A-B] repeatedly to mark:
 - Repeat A-: the start of the section to repeat.
 - Repeat A-B: the end of the section to repeat.
4. The selected section plays repeatedly.
4. To exit A-B repeat mode, touch A-B repeatedly, [Repeat A-B off] is displayed.



Shuffle (Random) Play

You can play audio tracks/files in random order.

1. Touch the screen to display control menu, if necessary.
2. Touch [] to display the 2nd menu, if necessary.
3. Touch [] on the screen repeatedly to turn random play on or off.



Select Audio Mode

When you play VCDs, you can select an audio mode (R/L/Stereo).

1. During play, touch bottom half of the screen to display menu on the screen, if necessary.
2. Touch [] to display the 2nd menu.
- Touch [] repeatedly until the audio mode is selected.

Select Subtitle Language

For DVD or Divx discs that contain two or more subtitle languages.

1. During play, touch the screen to display menu on the screen, if necessary.
 2. Touch [] to display the 2nd menu.
 3. Touch [] repeatedly to select a language.
- The selected language is displayed.

Playback Mode

Change Viewing Angle


Some DVDs contain alternate scenes, such as scenes recorded from different camera angles.

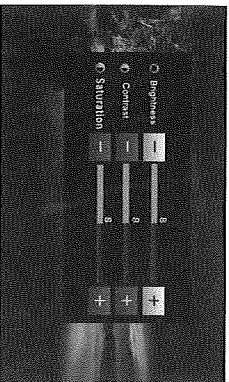
For these DVD disc, you can select from the available alternate scenes.

Press [Angle] repeatedly on the remote control.

The viewing angle is changed.

Video Setup

Touch [] to access video setup mode, touch [+] or [-] to set the desired effect.



You may set the brightness, contrast, and saturation of the video output from 0 to 16.

Playback Information

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

For DVD

1. Disc type.
2. DVD Title information. "1/8" indicates that this DVD has 8 titles and the title playing back now is the first title.
3. DVD Chapter information. "5/12" indicates that current title has 12 chapters and the chapter playing back now is the fifth chapter.
4. Time display



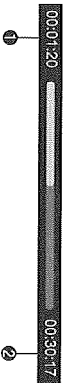
For VCD

1. Disc type.
2. VCD Track information. "1/8" indicates that this VCD has 8 tracks and the track playing back now is the first title.
3. Time display




Elapsed Time

1. Elapsed time of the current track.
2. Total time of the current track.





Direct Track Entry

To select a track directly, touch the [] icon on screen control to display the direct entry menu. Enter the desired track using the on-screen number pad. Press [OK] to the selected track.





Rotate Pictures

1. When you view pictures, touch the screen to display menu on the screen, if necessary.
2. Touch [] to display the 2nd menu.
3. Touch [] repeatedly to rotate the picture.

Zoom

You can zoom in pictures for a close view.

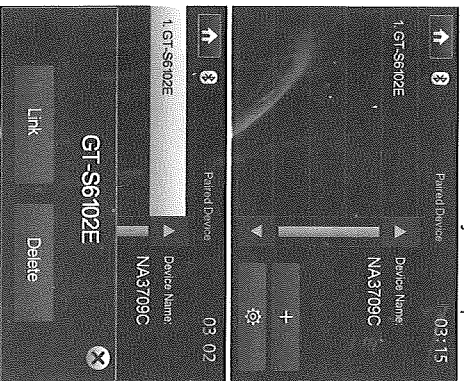
1. When you view pictures, touch the screen to display menu on the screen, if necessary.
2. Touch [] to display the 2nd menu.
3. Touch [] repeatedly to zoom in or out the picture.

Bluetooth Mode

You can make or receive phone calls with Bluetooth-enabled phones 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. You also can search for Bluetooth devices by mobile phone.




1. Turn on the Bluetooth function on the device.
2. Touch [+] to search for Bluetooth device with the device.
3. Select the Bluetooth device ID in the pairing list.
4. Touch [Link].
5. Enter default password "0000".



Note:


- The operational range between this unit and a Bluetooth device is approximately 5 meters.
- Before you connect a Bluetooth device to this unit, familiarize yourself with the Bluetooth capabilities of the device.
- Compatibility with all Bluetooth devices 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 [].



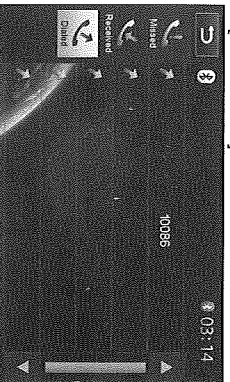
Note:

- 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 set [Auto Connect] to [Off]. For details, see the "Adjust Bluetooth Settings" section.

Make a Call

1. Select Bluetooth function in the home menu.
2. Pair the phone with the unit.
3. Search for phone number from the following list:

[]: Phone Book
[]: Call Log
[]: [Missed calls]
[]: [Received calls]
[]: [Dial pad calls]



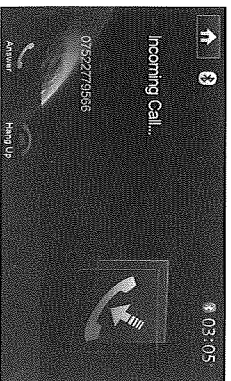
Or touch the number pad directly.

Answer an Incoming Call

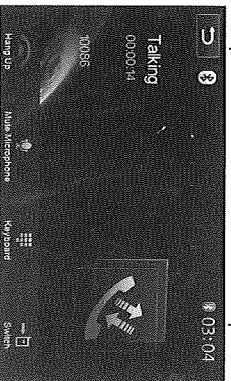
By default, all incoming calls are received automatically.

1. If there is an incoming call, "Incoming" will appear on the screen.

Bluetooth Mode



2. You may touch the screen to select [Hang up] or [Answer].
Speak into the Bluetooth microphone.

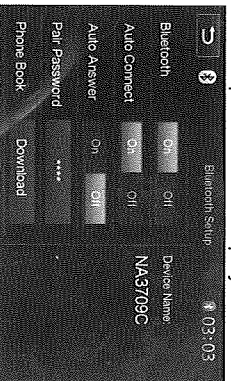


- []: Touch to mute the microphone audio from the unit.
- Touch the icon again to restore the microphone audio from the unit.
- []: Touch to access the direct dial screen.
- []: Touch to transfer a call back to the mobile phone.

Note: You can select to receive calls manually by setting [Auto Answer] to [Off] status.

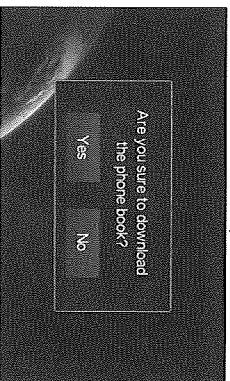
Adjust Bluetooth Settings

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.
- [Pair Password]: To set pairing code.
- [Phone Book]: To synchronize phone book, touch [Download] on the sub-menu popped out.
- Phonebook sync may take several minutes to load on initial setup.



Music Mode

A2DP

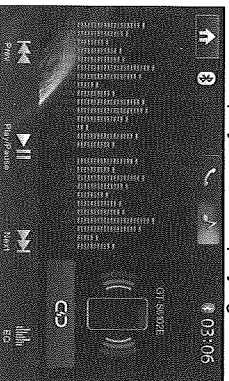
A2DP is short for Advanced Audio Distribution Profile. The mobile phones supporting this function can transmit stereo audio, whereas the ones not supporting this function can transmit mono audio only.

AVRCP

AVRCP is short for Audio/Video Remote Control Profile. The mobile phones supporting this function can control the playback of a Bluetooth audio player.

To make a call in music playing mode, press the number keys on the mobile phone and the music player will stop. "Calling" will be displayed on the TFT and once the call is received the caller audio will be transferred to the unit. When the call ends, the screen will display the music playing menu.

If there is an incoming phone call, the music player will stop and the screen will display "Incoming Call". When the call ends, the screen display the music playing menu.



Display System

1. Touch the upper left corner to display the main menu.
2. Touch [Settings].
The settings menu is displayed.
3. Touch the upper left corner of the screen to exit.

Adjust General Settings

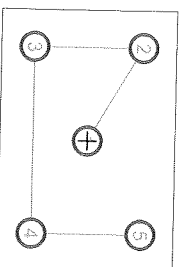
1. Touch [General], if necessary.
2. Touch to select a setting.
3. Touch on the option to display/select an option.

General settings	Options	Description
Language	Select on-screen display language.	
	Europe	
	America	
	America4	
	East Europe	
	Australia	Select one that matches your location.
Beep	On	Turn on the beep sound. Each time you press a button, the unit beeps.
	Off	Turn off the beep sound.
Calibration	Enter	Calibrate the touch screen.
Gps path setup.	Enter	Touch to enter Gps path setup.
Key Color	Default	
	User	You can select the color of the key.
RDS	On	To turn on "RDS" function.
	Off	To turn off "RDS" function.
	Internal	Internal microphone for Bluetooth calls.
	External	External microphone for Bluetooth calls.

Calibration

When the touch operation is not sensitive or valid, you should calibrate the touch screen using the calibration setting function.

- Adjust the response positions of the touch panel as follows:
1. Press the [Calibration] option on the setup menu to enter.
 2. Touch [Start] to enter.
 3. Press and hold the center of [+] for 2 seconds, 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.



Adjust Time Settings

1. Touch [Time].
2. Touch an option repeatedly to select.

Time settings	Options	Description
Date	Year/ Month/Day	Touch [▲] or [▼] to set year, month and day.
Time Mode	12H/24H	Touch [12H] or [24H] to switch to time mode.
Time	Touch [▲] or [▼]	to set hour and minutes.
Time Zone	Touch to select the time zone	you desire.

Adjust Sound Settings

1. Touch [Sound].
2. Touch an option repeatedly to select.

Sound settings	Options	Description
Sub Woofer Filter	Flat	Touch to select a crossover frequency.
	80Hz	
	120Hz	
	160Hz	
LOUD	On/Off	When listening to music at low volumes, this feature will selectively boost certain bass and treble frequencies.
Reverse Mute	On/Off	Turn on/off the reverse sound.

Adjust Video Settings

1. Touch [Video].
2. Touch an option repeatedly to select.

Video settings	Options	Description
Backview Mirror	Mirror	When you drive in reverse, the rear view is displayed in mirror.
	Normal	When you drive in reverse, the rear view displayed in normally.
	Night	
Brightness Setup	Dark	Touch to select the desired brightness setting.
	Normal	
	Brightness	
Parking	On / Off	Enable video / disable video.

When in Park "On" mode, the screen will display "WARNING" [if you play the video disc]. The above warning screen will prevent the driver from watching images.

Adjust Disc Rating

1. Touch [Disc].
2. Touch an option repeatedly to select.

DVD rating	Options	Description
Set Password	Set password to restrict the play of discs. The default password is 0000.	
Rating Level	Kid safe	Acceptable for children.
	G	Acceptable for general viewers.
	PG	Parental guidance suggested.
	PG-13	Unsuitable for children under age 13.
	PG-R	Recommended parents to restrict viewing for children under 17.
	R	Restricted re parental guidance is advised for children under the age of 17.
	NC-17	Unsuitable for children under age 17.
	Adult	Acceptable for adults only.
DVD Audio	Select DVD audio language. Options available depending on DVD disc.	
DVD Subtitle	Select DVD subtitle language. Options available depending on DVD disc.	
Disc Menu	Select DVD menu language. Options available depending on DVD disc.	
Aspect Ratio	Touch to select display ratio: [4:3 PS], [4:3 LB], or [16:9].	

Settings

You can set different volumes for different modes.

1. Touch [Volume].
The volume setting sub-menu is displayed.
2. Touch on a source.
 - [Media]
 - [Radio]
 - [Bluetooth]
 - [Or AV-IN]
 - [AV-IN]
 - [DVB-T]
3. Touch [▲] or [▼] to assign value: 0 to 12.
When switching to the source, the volume increases automatically.

Adjust Reset Settings

1. Touch [Reset].
2. Touch an option repeatedly to select.

Reset settings	Description
Reset Factory	Touch to restore to default settings.
Reset Volume	
Reset Video	

Listen to Other Devices

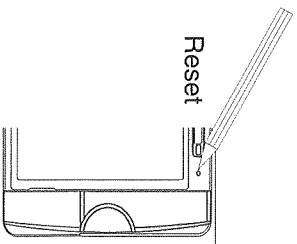
You can connect an external audio/video device to the unit.

1. Connect the external device with the supplied AV cable.
2. Touch the upper left corner to display the main menu.
3. Touch [Ori-AUX IN]/[AV-IN] to access external device.

Reset

When the unit hangs up, you can reset it.

Press [RESET] with a ball-point pen or similar tool.



Note:

When the unit has been reset, all the settings will return to default settings.

Replace a Fuse

If there is no power, the fuse may be damaged and need to be replaced.

1. Remove the unit from the dashboard.
2. Check all electrical connections.
3. Buy a fuse that matches the amperage of the damaged fuse.
4. Replace the fuse while the units power is disconnected.

GPS

1. Access General Setting Menu, Select the right Navigation path.
2. Access the Main Menu.
3. Touch "Navigation" icon to access Navigation system.

TV(Ready)

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

DVR(Digital video recorder)(Ready)

Please contact the dealer, buy a DVR that matches the unit.



Note: Connect car recorder to the unit.

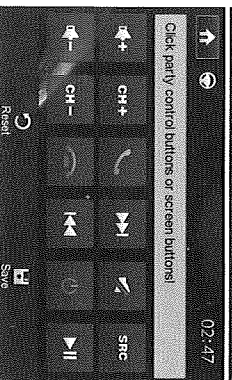
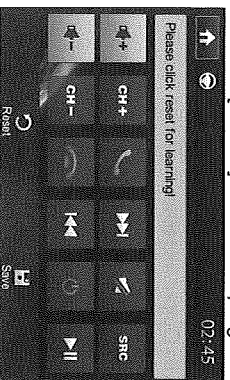
Referring to "Device Connections". After connection, user can control the car recorder through DVD screen.

To access the Recorder menu, touch [DVR] icon on the main menu.

Refer to the DVR manual to operate the DVR tool.

Steering Wheel Control Programming

1. Touch the upper left corner to display home menu.
2. Touch [SWC], the SWC menu will display.
3. Press each individual steering wheel control button for each corresponding function.
4. Once the final steering wheel control button is programmed, the functions are saved and the programming will end.
5. Touch [Reset] to reset the programming.



Specifications

General

Reference Supply Voltage.....	12V(DC)
Operating Voltage Range.....	10.5 - 15.8V(DC)
Max Operating Current.....	15A
Maximum Output Power.....	50W x 4 channels
RMS Power Output.....	25W x 4 channels
Grounding System.....	Car Battery Negative Pole
Dimensions(WXHXD).....	205.5 x 104 x 175.78 mm
Weight(main unit).....	2.1kg

FM

Signal Noise Ratio.....	≥55dB
Residual Noise Sensitivity (S/N=30dB).....	18dBμV
Station Seeking Level.....	20-28dBμV
Distortion.....	≤1.0%
Stereo Separation (1KHz).....	≥25dB
Antenna Impedance.....	75Ω

AM

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

LCD

Screen Size.....	6.8 inches(16:9)
Display Resolution.....	800X480dots
Contrast ratio.....	400

DVD Player

Signal / Noise Ratio.....	75dB
Dynamic Range.....	75dB
Distortion (line out).....	≤0.1%
Frequency Response (±3dB).....	20Hz~20KHz
Load Impedance.....	4Ω

AUX IN

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

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.

Supported Formats:

- USB or 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 shown in the display.
- Unsupported file formats are skipped.For example,Word documents(.doc) or Mp3 files with extension .dff are ignored and not played.
- AAC,WMV,PCM audio files
- DRM protected WMA files(.wav,.m4a,.w4p,.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 rates

Supported Video Formats:

- DVD
- MP4
- Xvid

Region Code

According to DVD sales regions, 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.

Precautions when using Discs

1. DO NOT use irregular shaped discs.
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 discs 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.

Troubleshooting

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

Problem	Cause	Corrective action
General		
Unit does not power on	Unit fuse blown. Car battery fuse blown. Illegal operation	Install new fuse with correct rating. Install new fuse with correct rating. Reset the unit.
Remote control does not work	Battery depleted. Battery installed incorrectly.	Change the battery. 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	Plated disc is in use.	Use original disc.
	Speaker power rating does not match unit.	Replace speakers.
	Wrong connections.	Check wiring and correct.
Unit resets itself when engine is off	Speaker is shorted.	Check wiring and correct.
	Incorrect connection between ACC and BATT.	Check wiring and correct.
TFT monitor		
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.
	Plated disc is in use.	Use original disc.
	Video cable damaged.	Replace cables.
	Improper video signal connections.	Check wiring and correct.
Disc playback		
Cannot insert disc	A disc is already inside the unit.	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.
	Disc region code is not compatible with unit.	Use disc with proper region code.
PBC cannot be used during VCD playback	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. Disc is upside down. No disc inside.	Clean disc with soft cloth. Insert disc with label side up. Insert disc.
Bad disc	Disc is dirty. Disc is upside down.	Clean disc with soft cloth. 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.

Installation

Disconnecting the Battery

To prevent a short circuit, be sure to turn off the ignition and remove the negative (-) battery cable prior to installation.

Note:

If the unit is to be installed in a car equipped with an on-board drive or navigation computer, do not disconnect the battery cable. If the cable is disconnected, the computer memory may be lost. Under these conditions, use extra caution during installation to avoid causing a short circuit.

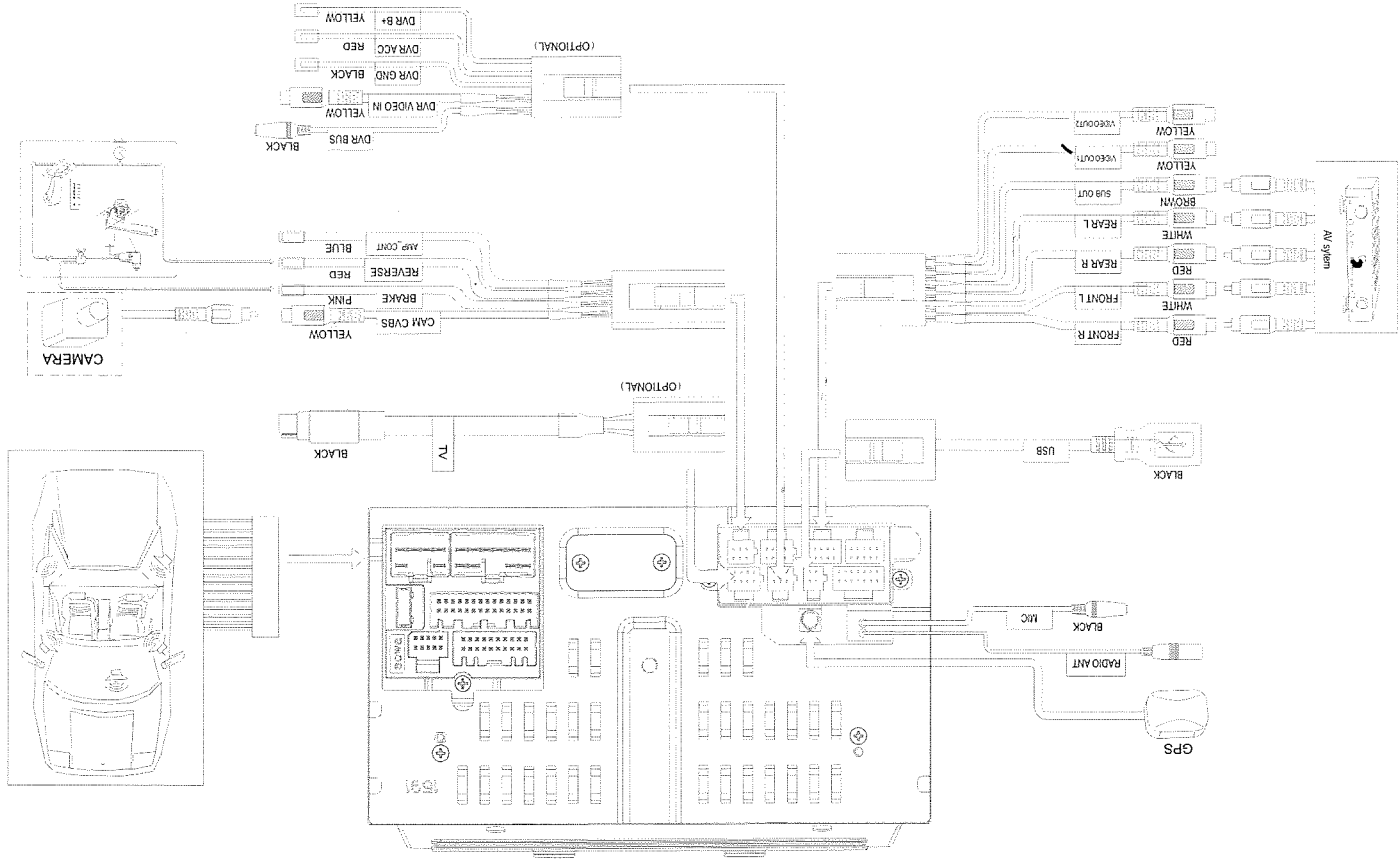
Remove Transport Screws

WARNING! Remove these two transport screws before installation. Otherwise, the DVD player will not work.

Replacing the Fuse

When replacing the fuse, use a new 15A replacement fuse. Using a fuse with an improper rating could damage the unit and cause a fire.

Wire Connections





Design and specifications are subject to change
without notice

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