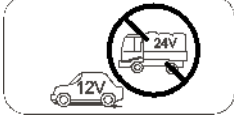# AUDIOMEDIA

Safety Precautions

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

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

Never install this unit where the operation & condition for safety driving is restrained.
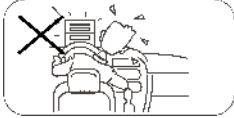
Never use the video display function in the front when driving to prevent the violation of laws & regulations and also to reduce the risk of traffic accident except using for rear view video camera.
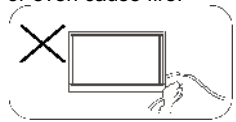
To ensure safe driving, please adjust the volume to a safe & comfort level in case of emergency situations.

Never expose this unit, amplifier, and speakers to moisture or water for preventing electric sparks or fires.
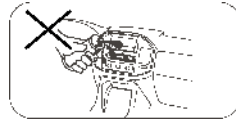
Please don't change the fuse on the power cord without professional guidance, using improper fuse may cause damage to this unit or even cause fire.

Please power off this unit at once and send it back to the after-sales service center or the dealer /distributor you purchased from if one of the following symptoms is found:
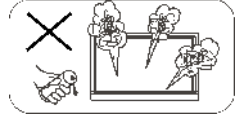
(a).   No audio output;
(b).   No image output;
(c).   Water or other obstacle enters the unit;
(d).   Smoking;
(e).   Peculiar smell.

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

Warning

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

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.

Two laser products

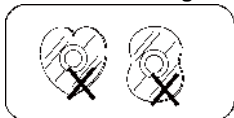Wave length: CD: 780nm DVD: 650nm
Laser power: No hazardous radiation is emitted with safety protection.
To reduce the risk of fire electric shock, and annoying interference, use only the included components.

Caution of disc using

1.   DO NOT use irregular shaped disc.

2.   Disc Cleaning. Use a dry, soft cloth to wipe the disc from center to edge, only neutral detergent can be used.
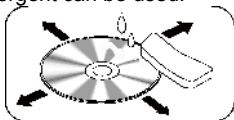
3.   When playing a new disc. New disc may have some rough spots around the inner and outer edges. If such a disc is used, remove these rough spots with a pencil or ball-point pen, etc.

Features

DVD-R/RW compatibility

It is possible to playback DVD-R/RW discs recorded with the video format and Video Recording format.

Video CDs featuring PBC compatibility

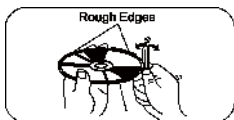It is possible to playback Video CDs featuring PBC (playback control).

WMA and MP3 compatibility

It is possible to playback WMA and MP3 files.

DivX® video compatibility

Refer to DivX compatibility on page90.
Dolby Digital compatibility
Dolby Digital:
"Dolby" and the double-D symbol are trademarks of Dolby Laboratories.
Manufactured under license from Dolby Laboratories.

About WMA

The Windows MediaTM logo printed on the box indicates that this unit can playback WMAdata.
!Windows Media and the Windows logo are trade marks or registered trademarks of Microsoft Corporation in the United States and/or other countries.
!This unit maynot operate correctly depending on the application used to encode WMA files.

About MP3

Supply of this product only conveys a license for private, non-commercial use and does not convey a license or imply any right to use this product in any commercial (i.e.revenue-generating) realtime broadcasting (terrestrial, satellite, cable and/or any other media), broad-casting/streaming via internet, intranets and/or other networks or in other electronic content distribution systems, such as pay-audio or audio-on-demand applications. An independent license for such use is required. For details, please visit http://www.mp3licensing.com.

Button Operation Explanations

Touch panel key operation

It is possible to operate this unit by using touch panel key.

Some frequent operations

1) Move cursor

2) Confirm

Open the SOURCE MENU

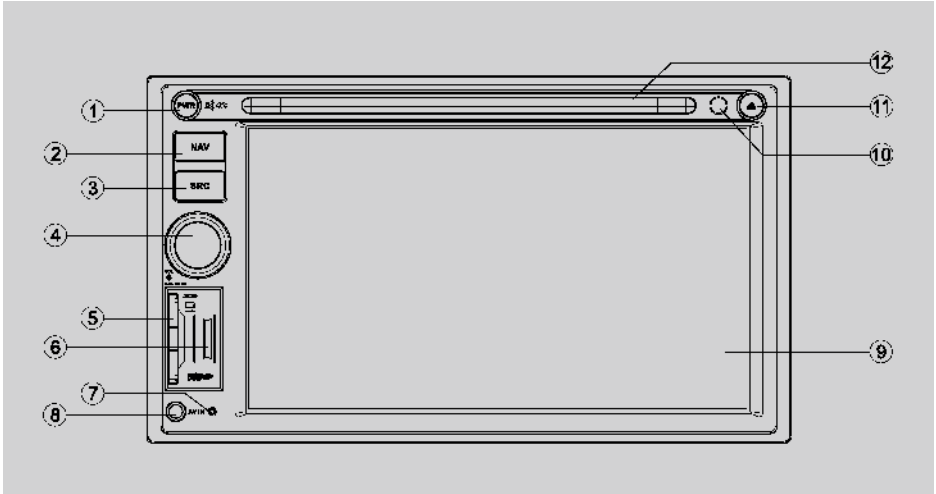Touch the top left corner of TFT screen under playing mode.

Touch screen

Due to the touch screen, you can fulfill most functions not only by pressing buttons but also by touching the options you desired.

Panel Controls

⏻

Press button to turn on the unit.

1. - Power on
   - Mute
   - When on, long press to power off.
2. - Navigation
3. - Select the following sources:
   >Radio
   >Disc (when disc inserted)
   >USB (when USB connected)
   >AV1 (rear AV in)
   >AV2 (front AV in)
   >Blue-tooth
   >Navigation

4. - Rotate to adjust volume level.
   - Press and hold it to enter setting mode.
5. - Map card slot
6. - USB connector
7. - Reset
8. - AV-in jack
9. - Touch panel
10. - Remote sensor
11. - Eject disc (when disc inserted)
   - Reset the mechanism (long press)
12. - Disc slot

Safety Notes:
The DVD video display of the in-dash unit will not operate while the vehicle is moving. This is a safety feature to prevent driver distraction. In-dash DVD video functions will only operate when vehicle is in Park and the parking brake is engaged. It is illegal in most countries for the driver to view video while the vehicle is in motion.
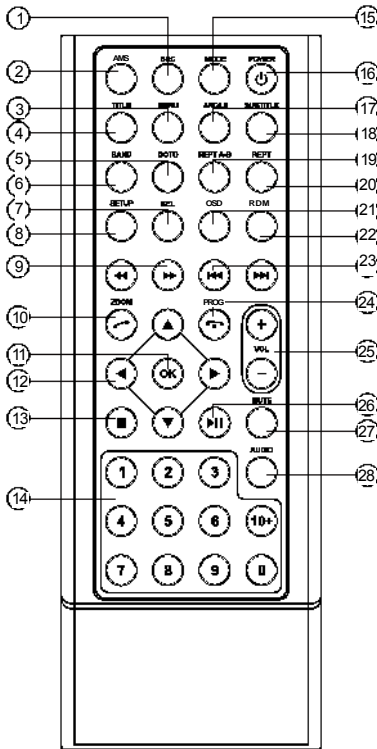
Remote control operating range

The remote control can operate within a distance of 3~5m.

Remote sensor

30°

30°
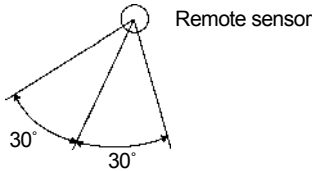
Press to turn on/off the unit.

1. - Select the following sources:
   >Radio
   >Disc (when disc inserted)
   >USB (when USB connected)
   >AV1 (rear AV in)
   >AV2 (front AV in)
   >Blue-tooth
   >Navigation
2. - Radio preset scan
   - Radio auto preset
3. - Menu (DVD)
4. - Title (DVD)
5. - Goto search
6. - Radio band
   - Video system PAL/NTSC
7. - Sound/display setting
   - Setting menu (press 2 sec.)
8. - System setup
9. - Fast reverse/forward playback
10. - Zoom (DVD/VCD)
    - Dial/Receive call
11. - Enter
12. - Menu cursor
13. - Stop/Return
14. - Digit area
15. - Enter source menu
16. - Power on/off
17. - Angle (DVD)
18. - DVD subtitle
19. - A-B repeat
20. - Repeat
21. - On screen display
22. - Track random play
23. - Radio tune
    - Track skip/seek
      24. - Call off/cancel
          - Program
25. - Volume
26. - Play/Pause
27. - Mute
28. - DVD audio
    - VCD audio L/R/ST

Remote Controls (continued)

Replacing the lithium battery of remote control unit

When the range of the operation of the card remote control becomes short or no functions while operating, replace the battery with a new lithium battery. Make sure the battery polarity replacement is correct.

1. Open the back cover of the remote control unit.
2. Insert the button-type battery with the stamped (+) mark facing upward. Close the back cover.
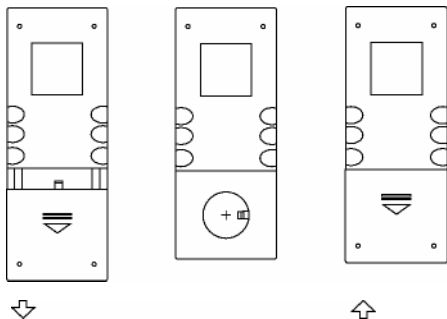
Warning

- Store the battery where children cannot reach. If a child accidentally swallowed the battery, consult a doctor immediately.
- Do not recharge, short, disassemble or heat the battery or dispose it in a fire.
- Do not expose or bring into contact the battery with other metallic materials. Doing this may cause the battery to give off heat, crack or start a fire.
- When throwing away or saving the battery, wrap it in tape and insulate; otherwise, the battery may give off heat, crack or start a fire.

Basic Operations

Turn on/off the power

1. Press [power] button to turn on the unit.
   The unit goes back to the last status after power on.

2. [power] When on, press [power] button more than 2 seconds to turn off the unit.

Mute

When on, press [power] button briefly to cut the sound.

Note:

- **Pressing [power] button briefly again or adjusting volume will release muting.**
- **MUTE appears on the TFT during muting.**

Adjust the volume

Rotate the VOL knob to increase or decrease the volume level.
The adjustable range of volume is 0 to 39.

Playing source selection

Method 1:

Press **SRC** button on the panel or remote control to cycle through all the available sources.

Method 2:

Open the 'SOURCE MENU' by touch SRC at the top left corner of the TFT or press MODE button on remote control, and then touch the option you desired or select the option by moving the cursor and then confirm.

Note:

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

When parking brake applied

1. If 'PRK SW' cable is connected to hand brake switch, the video display of the TFT monitor will be controlled by driving status, system setup and input video sources.

2. When the car is moving ahead, if the video disc is played, the screen appears "WARNING!! Engage Parking Brake to View Video", and blank screen. The above warning screen will prevent the driver watching images. The passengers at the rear seats can watch normally.

When reverse driving

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

Disc Operation

Insert a disc

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

📝 Note:

- Please confirm whether there is a disc in the unit before you insert another one.
- The unit will exit current playing source and enter DVD mode when one disc is inserted.
- 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.

Eject the disc

Press   button to eject the disc.

Notes:
- After ejecting the disc, the unit reverts to other mode automatically.
- You can eject a disc when the unit powered off. The unit remains off after the disc ejected.
- If the disc is not removed from the unit within 10 seconds, the disc will be reloaded to prevent accidental damage.

Using the touch screen controls

The touch key areas for CD/VCD/DVD playback are outlined below:
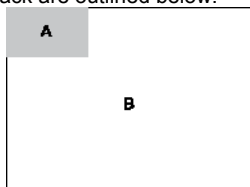
A - Turn to main source menu
B - Display on screen control menu

Disc Playback

1. When disc inserted, display shows READ. For MP3 or disc with mixed files, reading time may exceed 1 minute.
2. ERROR will be displayed if error found in disc operation.

3. For VCD/CD, VCD or CD icon will appear on the display.
4. While MP3/WMA files playback, MP3/WMA icon will appear on the display.
5. For DVD, DVD icon will appear on the display and TITLE appears. Press   to play.

File type supported

Audio file: MP3(*.mp3), WMA(*.wma)
Video file:
MP4 (*.avi, DIVX3.1 1/4.0/5.0/6.0 /7.0)
MPEG 2 (*.vob)
MPEG 1 (*.dat)
Picture file: JPEG (*.jpg)
MP3 file:
ISO 9660 or ISO 9660 + Joliet format - Max. 30 characters.
Max. nested directory is 8 levels.
The max. album number is 99.
The max. length of each track is 99 minutes 59 seconds.
Supported sampling frequency for MP3 disc: 8KHz to 48KHz (44.1KHz preferably).
Supported bit-rates of MP3 disc are: 32 - 320 kbps (128 kbps preferably).

Disc and file NOT supported

*.AAC, *.DLF, *.M3U, *.PLS, MP3 PRO files and files with DRM.
Open session discs.

Stop playback temporarily

- During playback, press   to pause playback.
- The sound will be muted.
- Display "PAUSE " in the TV screen.
  Press   again to continue playback.
  To resume normal play, repeat the operation.

Stop playback entirely

During DVD, VCD, CD, MP3 playback:
1. P
ress key on remote control once stopping the playback and the relevant location on the disc is saved, press to resume the playback from the saved disc ▶❚❚ location.
2. Press twice to cease the playback.
Press to start the playback from the very beginning the Title page of the DVD or the first track of VCD / CD.

Select desired track

- Press or to skip to the next track.
- Use 1-9 and 0, 10+ buttons on the remote control to select desired track number.

Fast forward/backward during playback

Press or for more than 2 seconds once or more to select X8 to fast backward or forward track during playback.
- During the fast forward or backward operation, press briefly to playback again.
- During the fast forward or backward operation, the volume will be muted.

Intro (for CD/VCD only)

You can play the beginning of every track for 15 seconds in sequence.
1. During playback, press **INT** once.
INT ON/OFF will appear on the display.
2. Press **INT** again to select the current track.

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

You can play all the tracks in random order.
1. During playback, press **RDM** once or more.
- RDM icon will appear on the display.
2. Press **RDM** again to select normal playback.

Repeat

During playback, press **REPT** once or more. - RPT icon will appear on the display. →
- For VCD/CD: Display appears RPT ONE → RPT ALL RPT OFF
- For DVD: Display appears RPT CHAPTER RPT TITLE RPT OFF
- For File disc: Display appears RPT ONE →

🖉   RPT DIR RPT ALL RPT OFF

Note:

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

Repeat A-B

Select desired passage to repeat playback.
- Press **REPT A-B** once to select starting point Display shows REPEAT A.
- Press **REPT A-B** again to select ending point. Display shows REPEAT A - B, and selected passage start to replay.
- Press **REPT A-B** once again to exit. Display shows A - B CANCELLED.

GOTO

Goto desired track/chapter or time point directly.
Press **GOTO** button on the remote control, track or DVD Title/Chapter and time display on top of the screen. Current item is highlighted. Use / to select desired item. Use digit button to select number. Press **ENTER** to confirm.

Program

- Press **PROG** to enter program list. Use ▲ / or / cursor and digit button to enter number.

  For DVD and File disc, select title and chapter number.
  For VCD and CD, select track number.
- Press   to play, or move the cursor to select "PLAY" and press **ENTER** to play.
- If you want to delete the list, move the cursor to "CLEAR", press **ENTER** to delete all the list set before.
- Press **PROG** again to exit program play.

DVD Audio Select

Press **AUDIO** or **R/L** to select audio language to listen if the DVD has multiple audio languages.

VCD Audio Select

Press **R/L** to select audio channel to listen.

   L   R   St

↑_____

DVD Subtitle Select

Press **SUBTITLE** to select the subtitle language to show if the DVD has multiple language subtitles.

DVD Title Select

Press **TITLE** to display title or chapter list,

use / or / cursor or digit number to select, press **ENTER** to play.

DVD Angle Select

Press **ANGLE** to select different angle to view if the DVD has multiple-angle views.

ZOOM

X2 → X3 → X4 → X1/2 → X1/3 → X1/4 → OFF
↑_____

Press **ZOOM** button, the picture will be zoomed accordingly.

③   ④

| SRC | INT | ▲ | L/R | ■ |

⑤ |◄◄   ►►| ⑤

| SEL | RPT | ▼ | RDM | ►/II |

⑥   ⑦
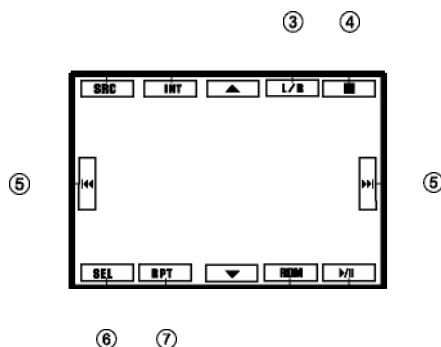
DVD Playback Menu

While playback touch the center of the screen:
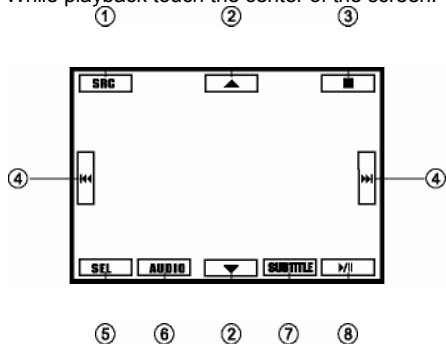
Touch the icon to access desired function.

1. Display source menu
3. Stop
4. Track skip/seek
   DVD menu left/right
5. Display Select Menu
6. Audio select
7. Subtitle select
8. Play/Pause/Enter

Video CD Playback Menu

While playback touch the center of the screen:

Touch the icon to access desired function.

1. Display source menu
2. Track intro play
3. Audio select
4. Stop
5. Track skip/seek
6. Display select menu
7. Repeat play
8. Random play
9. Play/Pause

CD Playback Menu

While playback touch the center of the screen:

① ② ③

④ ④

⑤ ⑥ ⑦ ⑧

Touch the icon to access desired function.

1. Display source menu
2. Track intro play
3. Stop
4. Track skip/seek
5. Display select menu
6. Repeat play
7. Random play
8. Play/Pause

MP3/MP4/PHOTO Menu

① ② ③ ④ ⑤

HELLO.MP3
HELLO SUN.MP3
MP3
SAY HI.MP3
DO YOU LIKE.MP3
PHOTO
BABY.MP3
FORYOU.WMA
MOVIE
NICE.JPG

⑥

⑦ ⑦

⑧ ⑨

⑩ ⑪ ③ ⑫ ⑬
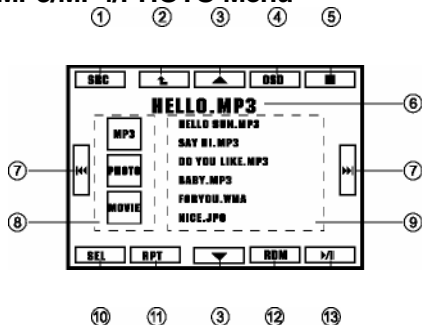
Touch to access desired function.

1. Display source menu
2. Back to upper folder
3. Track up/down
4. Display playback info
5. Stop
6. Track and ID3 display
7. Track skip/seek
8. MP4/MP3/PHOTO select
9. Track select / Folder select
10. Display select menu
11. Repeat play
12. Random play
13. Play/Pause

Radio Menu

① ②
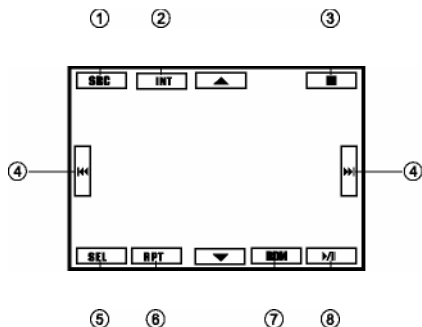
Touch to access desired function:

1. Display source menu.
2. Select previous/next preset station.
3. Touch to tune automatically.
   Press more than 2 seconds to tune manually.
4. Touch to select preset station 1-6.
5. Display select menu.
6. Hold it to scan preset stations .
7. Auto search and store stations.
8. Band switch:
   FM1 -FM2-FM3-MW1 -MW2

RDS Basics

RDS service availability varies with areas. Please understand if RDS service is not available in you area, the following service is not available.

AF Mode

AF (Alternative Frequency): When the radio signal strength is poor, enabling the AF function will allow the unit to automatically search another station with the same PI (program identification) as the current station but with stronger signal strength.

Source menu -> SETTING menu ->RDS Setting menu -> AF ON/OFF
AF ON: AF function is activated.
AF OFF: AF function is disabled.

Remark: AF indicator on LCD will flash until RDS information is received. If RDS service is not available in your area, turn off the AF mode.

Tuner Operation

TA Mode

Some RDS FM stations periodically provide traffic information.

TP (Traffic Program Identification) Broadcasting of traffic information
TA (Traffic Announcements Identification) Radio announcements on traffic conditions

Source menu -> SETTING menu ->RDS Setting menu -> TA ON/OFF.

When TA mode is turned on, the TA indicator will blink.

When traffic announcement is received, the TA indicator will display. The unit will temporarily switch to the tuner mode (regardless of the current mode) and begin broadcasting the announcement at TA volume level. After the traffic announcement is over, it will return to the previous mode and volume level. When TA is turned on, SEEK, SCAN, AMS function can only be received or saved when traffic program identification (TP) code is received.

TA SEEK/TA ALARM

Source menu -> SETTING menu ->RDS Setting menu -> TA SEEK/ALARM.
If the TA (Traffic Announcements) is turned on and there is no traffic program identification code received in the specified time, no TA/TP will display and either TA ALARM or TA SEEK will be activated.

TA ALARM mode: Alarm is turned on.

TA SEEK mode: TA SEEK is automatically activated.

TA VOL

Source menu -> SETTING menu ->RDS Setting menu -> TA VOL

RETUNE Mode

Source menu -> SETTING menu ->RDS Setting menu -> RETUNE L/S
RETUNE-S or RETUNE-L is time length selection of TA SEEK retune interval.
RETUNE-S: Short, TA SEEK retune interval is 45 seconds.
RETUNE-L: Long, TA SEEK retune interval is 180 seconds.
REMARK: RETUNE mode functions for TA during TA SEEK mode only.

REG Mode

Source menu -> SETTING menu ->RDS Setting menu -> REG ON/OFF.
REG ON: AF function will implement the regional code (of the PI) and only stations in the current region can be tuned automatically.
REG OFF: AF function will ignore the regional code (of the PI) and stations in the other regions can also be tuned automatically.

EON (Enhanced Other Networks)

When EON data is received, the EON indicator lights and the TA and AF functions are enhanced.

TA: Traffic information can be received from the current station or stations in other network. AF: The frequency list of preset RDS stations is updated by EON data. EON enables the radio to make fuller use of RDS information. It constantly updates the AF list of preset stations, including the one that currently tuned into. If you preset a station around the area at your home, you will later be able to receive the same station at an alternative frequency, or any other station serving the same program, EON also keeps track of locally available TP stations for quick reception.

Using Map Card (SD/MMC Card)

1. Insert a map card (SD/MMC Card) into the corresponding slot, the unit will load the map and switch to navigation mode automatically, then navigating by the touch screen.
2. To remove the card, you should first select another source, in order to avoid damaging the card, then press the card slightly, and take off the card after it popped out.

Note: You can control the panel using the touch panel control, refer to previous section: "Panel Control".

Using USB device

1. Insert a USB device into the USB connector. When connecting a USB device, the unit will read the files automatically.
2. To remove the USB device, you should first select another source, in order to avoid damaging the USB device. Then take off the USB device.
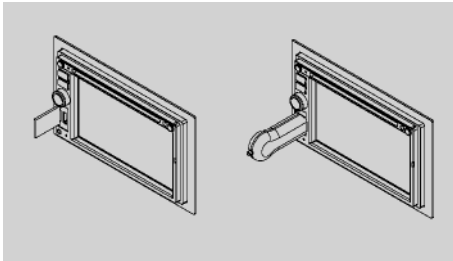
USB Notes

USB functions (flash memory type) MP3 music play
1. USB flash memory 2 in 1 support
2. Fat 1 2/fat 1 6/fat 32 is possible
  - Fat 12/16 (dir: 200 support, file: 500 support)
  - Fat 32 (dir: 200 support, file: 500 support)
3. File name: 32 byte/dir name: 32 byte /tag name: 32 byte
4. Tag (ID3 tag ver 2.0)
  - Title/artist/album: 32 byte support
5. USB 1.1 support
  USB 2.0 support
  (It can not support USB 2.0 speed. Just, get the same speed with USB 1.1)

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

🗒 Note:

For your safety, avoid talking on the phone as much as possible while driving.

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.

Pairing

Use this function to establish a connection between the unit and your mobile phone. Press the **SRC** button repeatedly on the panel or touch BT on the SOURCE menu to enter BlueTooth mode.
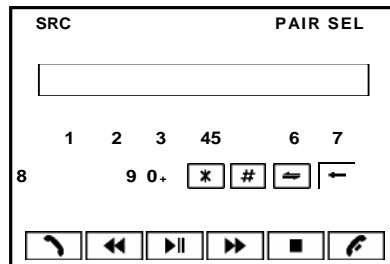
Touch PAIR, then "WAITING FOR PAIRING" appears on the TFT .

Turn on Bluetooth function of your mobile phone, keep phone within 3 meters to the unit and start to search for Bluetooth devices.

After the name of the Bluetooth module "SUN-BMA19" appears on the pairing list of your mobile phone, select it. At this time, a pairing code is required. Enter the pairing code ("0000" by default) and the Bluetooth pairing will process automatically. Some mobile phones may instruct you to select connect or disconnect, please select connecting.

After pairing successfully, the Bluetooth icon stops to blink, "PAIR OK" will appear on the screen.

To stop pairing, press PAIR during pairing.

Bluetooth Operation

Exit Pair

After pair successfully, if you want to disconnect, press PAIR button. The TFT of the unit display "EXIT PAIR", Bluetooth icon disappear.

Dial

1. **Input dial number by the number button on the TFT, touch or press key on the remote control to dial out.**

2. **Touch or press key on the remote control to cancel.**

Receive

1. After pair successfully, if there is a call incoming, the unit switch to BT mode automatically.

2. Touch or press key on the remote control to receive.

3. Touch or press key on the remote control to hang up.

Voice Transfer

During talking, touch to transfer audio from the unit to your mobile phone, and touch again to transfer audio from your mobile phone to the unit.

Note:

Some mobile phones will transfer audio from the unit to themselves once the incoming call is answered.

BT Audio

(if the mobile phone has the A2DP & AVRCP functions)

After pair successfully, in Bluetooth main menu, open the audio player of your mobile phone and set the transmission mode to Bluetooth. At this time, the unit screen will appear "MUSIC PLAYING", and the audio will be transferred from the mobile phone to the unit. Some mobile phones may hint that to connect with the unit. After found the Bluetooth device name "SUN-BMA19" on

mobile phone, you should select to connect

it, and then input the pairing code ("0000" by default). When music playback, touch   to play/pause, and press / key on the TFT or remote control to previous/next track (if the options are available).

History

After pair successfully, touch ➘ or press ⬤ key on the remote control to dial out the last dialed number.

BT MENU General Operation

Press the **SRC** button on the panel or the touch key to enter SOURCE main menu, touch SET to enter the unit system setting menu, then touch BT to enter BT setting menu.

1.   PAIR ON/OFF

Set the automatically pair on or off. If select ON, the unit will pair automatically and "WAITING FOR PAIRING" will appear on the screen.

2.   CONNECT ON/OFF

Set the automatic connection on or off.
When CONNECT AUTO and Paired OK, if the distance is over 10 metres, the connection will exit. The Bluetooth technology will automatically establish a connection between the unit and the registered mobile phone when the transmission distance is 10 metres or shorter.

When CONNECT OFF and Paired OK, if the distance is over 10 metres, the connection will exit. The Bluetooth technology will not automatically establish a connection between the unit and the registered mobile phone when the transmission distance is 10 metres or shorter.

Whether the automatic connections is set AUTO or OFF, when power is off then on again, the unit Bluetooth will connect the mobile phone (if the Bluetooth function turning on) which is paired OK last time.

Bluetooth Operation

3. ANSWER ON/OFF

Set the automatic answering a call AUTO/OFF. When ANSWER AUTO and Paired OK, if there is an incoming call, in 15 seconds, the unit will answer automatically, and voice will be transferred to the unit too.

When ANSWER OFF and Paired OK, if there is an incoming call, the unit will not answer automatically until you choose receiving or rejecting.

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.

In the mode of the music player working, if you want to make a phone call, you can press the number keys on the mobile phone or on the remote control, then touch to dial. At the same time the music player will stop. The TFT screen will appear "DIALLING", after the call received, the voice will be transferred to the unit. When the call end, the TFT screen will appear "MUSIC PLAYING". Some mobile phone may instruct whether resume to playback.

If there is an incoming phone call, the music player will stop, and the TFT screen will appear "PHONE NUMBER ANSWER?". When the call ends, the TFT screen will appear "MUSIC PLAYER". Some mobile phone may instruct whether resume to playback

Other Modes

AV mode

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 >.

NAV mode

External suited navigation devices can be con nected with the unit by the MAP card slot. For more details, please refer to <Navigation Instruction>.

GPS Antenna Installation Guide

You can mount the GPS antenna in the car or out of the car.

- Fix the GPS antenna to a suitable position on the dashboard behind the windscreen, and ensure no obstacles to receive GPS signals. When the satellites determine your position, the navigation system can supply instruction information. At the time the satellites do not determine your position completely, the navigation system can not supply instruction.

GPS Antenna,
signal receiving side up
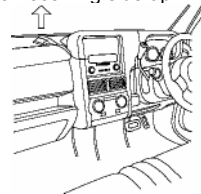
- Place the GPS antenna on the top of the car outside, no obstacles on the receiving direction.

signal receiving side up

GPS Antenna
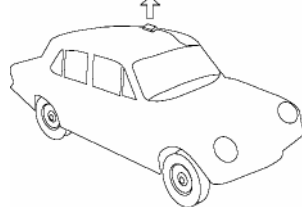
DVD Setup

Press **SETUP** to display setup menu on the screen.
Use ___ to select setup items:
SYSTEM - LANGUAGE - AUDIO - VIDEO

SYSTEM

TV System:
NTSC/PAL/AUTO

Select the output video format in the setting menu.

Screen Saver:
ON/OFF
The screen saver appears if disc stop last more than 3 minutes. Original setting: ON.

Video Output Mode:
S-VIDEO

Setting TV type:
4:3PS/4:3LB/1 6:9
Select TV type to watch wide screen movies.
4:3 Pan Scan: For 4:3 TV, left and right edges will be cut.

4:3 Letter Box: For 4:3 TV, black bars will appear on top and bottom.
16:9: For 16:9 wide screen TV.

Password:
1. Press number button " 0000 " on the remote control, then press the **ENTER** button to confirm.
2. Press the desired 4-digit password, and then press **ENTER** button to confirm.
3. Record the password and keep it in a safe place for future reference.

> **If you forget the password, please enter 0000 to reset a new password.**

Setting Rating:
1 KID SAFE/2 G/3 PG/4 PG13/5 PG-R/6 R/ 7 NC-17/8 ADULT

The rating of the disc is from 1 to 8:
(1) with the most limits when playing.
(8) with the least limits when playing.
Original setting: 8

Note:
The rating can be selected only under the password unlocked status, and the limits can be worked only under the password locked status.

Load Default:
RESTORE

If this item is selected, the unit will return to original setting.
OSD Language
Select one language that you are familiar with

LANGUAGE

to display system menu.

Audio Language

Select one dialogue language that you are familiar with when playing back DVD discs.

Note:

If the DVD disc has the audio file in the selected language, the dialogues you listened to will be in the selected language.

If the DVD disc does not contain the audio file in the selected language, the dialogues you listened to will be in the default language.

You can change the language by pressing [AUDIO] key of the remote controller.

Subtitle Language

Select one language that you are familiar with to display DVD subtitles.

If the DVD disc has the subtitle file in the selected language, the subtitle will be displayed in the selected language.

If the DVD disc does not contain the subtitle file in the selected language, the subtitle will be displayed in the default language.

You can change the language by pressing [Subtitle] key of the remote controller.

Menu Language

Select one language that you are familiar with to display DVD menu.

Note:

If the DVD disc has the selected language, the DVD MENU / TITLE will be displayed in the selected language.

If the DVD disc does not contain the selected language, the DVD MENU/ TITLE will be displayed in the default language.

AUDIO

KEY

Setup the tonality with the   buttons.

VIDEO

BRIGHTNESS

Set the brightness of the video output with   .

CONTRAST

Set the contrast of the video output with ▲/▼.

HUE

Set the hue of the video output with   .

SATURATION

Set the saturation of the video output with ▲/▼.

SHARPNESS

Set the sharpness of the video output with ▲/▼.

System Setup

Sound Effect & TFT Setup

Touch SEL on the TFT, or press SEL button on the remote control to enter SELECT menu.
Touch the TFT or use remote control to adjust Audio/Video settings:
Audio: EQ sound effect(Flat-Pop-Rock-Clas.-OFF)/BASS/TREBLE/BALANCE/FADER
Video: BRIGHTNESS/CONTRAST/COLOR/DIM

SETUP Menu

Source menu -> Setting menu -> Setup menu
Touch the adjust icon on left or right to select.
Touch the up/down icon to access next/previous list.

1. Display Source Menu
2. List up/down
3. Adjust
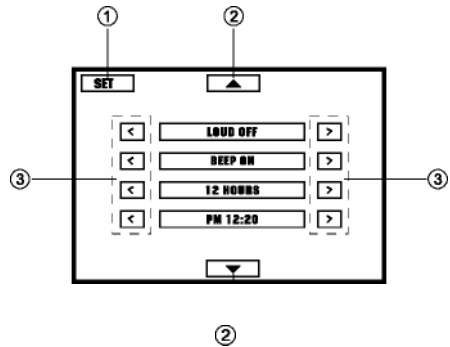
LOUD ON/OFF: Press   /   to turn loudness on/off.

BEEP ON/OFF: Press / to turn button beep sound on/off.

12/24 HOURS: Press / to select 12 hours or 24 hours mode.

/AM/PM: Press to set hours and press to set minutes.

VOL LAST/ADJUST: Press / to choose VOL LAST, the turn-on volume level is the volume level of latest power off.
Press / to choose VOL ADJUST, then set the turn-on volume level by the next option.

A VOL: Press / to adjust volume level when VOL ADJ mode is active.

MIRROR ON/OFF: Press / to turn mirror mode on or off. While enter MIRROR IMAGE ON mode, the video of camera is mirror image.

PARKING ON: When play video disc, the screen appears:
"DO NOT WATCH VIDEO WHILE DRIVING", and blank screen.

Device Connections

Notes of connection

- This unit is designed to be used in a vehicle with a 12-volt battery and negative grounding. Before installing this unit to a recreational vehicle, a bus, or a truck, make sure the battery voltage is appropriate for this unit to be used, otherwise, install a transformer by professional to convert the output voltage to 12V.

- To avoid short circuit in the electrical system, ensure that the negative battery cable is disconnected before installation.

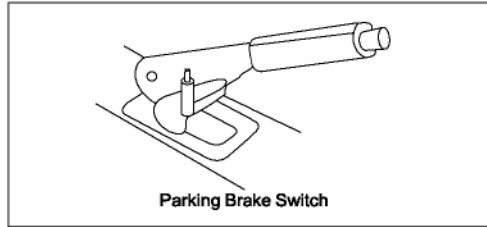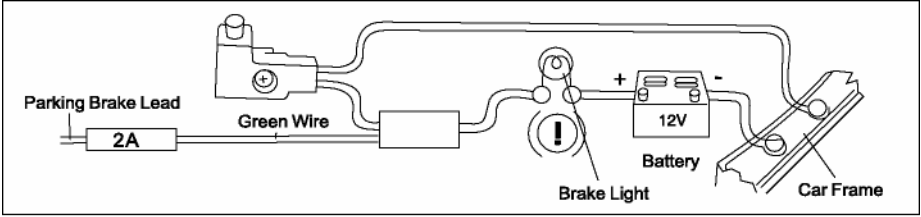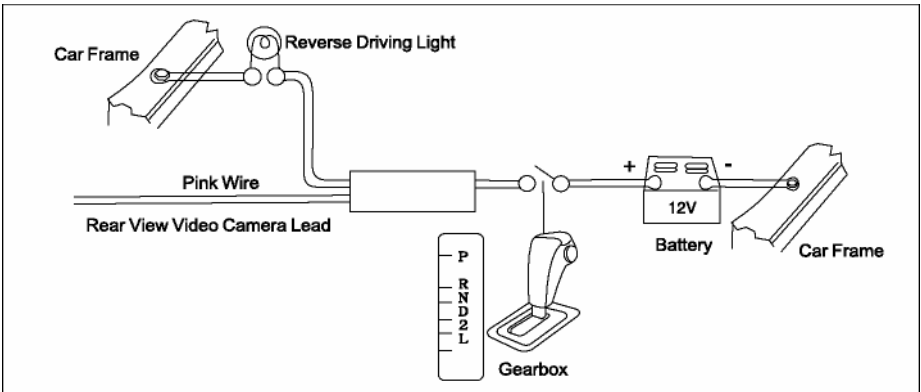- To prevent short circuit in the wiring and damaging to this unit, secure all wirings with cable clamp or adhesive tape. Route the wirings in a secured, out of heating place without touching any moving parts such as gear shift, handbrake, and seat rails to prevent the wiring insulation being melted / wore off.

- Never pass the yellow power cord through the installation hole into the engine compartment and connect to the car battery. Otherwise, a high possibility of serious short circuit to the electrical system may be occurred.

- Replacing a new fuse with 1 5A 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 wellinsulated. 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 40W with 4 to 8Ω impedance.

Device Connections *(continued)*

Parking Brake Cable Connections

Reverse Driving Cable Connections

Installation

Electronic Connections

GPS Antenna

External Microphone
AUX 1 IN-R (Red)
AUX 1 IN-L (White)
FRONT AUDIO OUT-R (Red)
FRONT AUDIO OUT-L (White)
REAR AUDIO OUT-R (Red)
REAR AUDIO OUT-L (White)
VIDEO 1 IN(Yellow)
CAMERA IN (Yellow)
VIDEO OUT 2 (Yellow)
VIDEO OUT 1 (Yellow)
PARKING (Green) - 〉
CAMERA (Pink) + 〉

Radio Antenna in

ISO Connector

B 1 3 5 7
   2 4 6 8
A 1 3 5 7
   2 4 6 8

Fuse 15A

B

A

Red — Ignition key +12V DC When ON/ACC
Black — Ground Lead
Blue/White — Motor/Electric Antenna relay control Lead Amplifier relay control Lead
Yellow — To car battery (+) Continuous +12V DC
Pink — Telephone-mute (active low level)

Purple | Purple/Black Stripe | Gray | Gray/Black Stripe | White/Black Stripe | White | Green/Black Stripe | Green

(-) (+)

Right Speaker (Rear) | Right Speaker (Front) | Left Speaker (Front) | Left Speaker (Rear)

Installation (continued)

Installation Guide

1. If relevant, remove any other audio system from the car.
2. Perform the required electrical connections:

   - If necessary, connect the hand brake wire to your hand brake contact in order to activate the video display when playing a DVD (when the car is parked).
   - Connect the wire that activates the reversing camera to the reversing sensor or to a reversing light. If necessary, connect your reversing camera to the car radio's reversing camera input using a video cable (not supplied).

   - Ensure that you now place the USB cable located at the back of the unit in such a way that it comes out of the dashboard or the glove box.
3. Then check that everything works before installing the main unit.
4. Remove the two screws on the top of the unit, otherwise, the unit will not work.
5. Install the car radio in the dashboard using the supplied screws (M5x6mm).
6. Attach the outer trim frame.

   If you are not sure how to install this unit correctly, contact a qualified technician.

Remove the two screws

Main unit

Trim frame
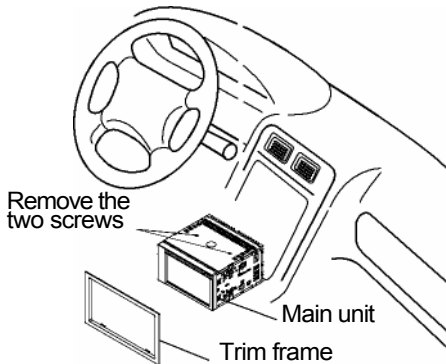
Troubleshooting

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

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

Specifications

General

Power supply	12V DC (11V-16V) Test voltage 14.4V, negative ground
Maximum power output 45Wx4 channels Ω	
Continuous power output 28Wx4 channels (4	10% T.H.D.)
Suitable speaker impedance 4-8 ohm	
Pre-Amp output voltage 2.0V (CD play mode: 1KHz, 0 dB, 10KΩ load)	
Fuse	15A
Dimensions (WxHxD)	
- Chassis	1 78x1 00x1 54mm
- Nose	178x101.5x15mm
Weight	2.5kg
Aux-in level	≥300mV

Disc Player

System	Disc digital audio system
Frequency response	20Hz - 20KHz
Signal/noise ratio	>80dB
Total harmonic distortion	Less than 0.20% (1KHz)
Channel separation	>60dB
Video signal output	NTSC/PAL
Video output level	1±0.2V
Video signal input	NTSC/PAL

FM Stereo Radio

Frequency range	87.5-108.0MHz
Usable sensitivity	8dBμ
Frequency response	30Hz-1 5KHz
Stereo separation	30dB (1KHz)
Image response ratio	50dB
IF response ratio	70dB
Signal/noise ratio	>55dB

AM(MW) Radio

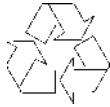|	
Frequency range	522 - 1710KHz
Usable sensitivity	30dBμ

6.2 INCH TFT LCD

Display resolution (dot)	1440(W) x 234(H)
Active area (mm)	137.52(H) x 77.22 (V)
Screen size (inch)	6.2 (Diagonal)
Dot pitch (mm)	0.2865 (H)×0.33 (V)
Brightness	350 nits

Components

Machine screws M5x6 mm	4
Mounting bolt (50 mm)	1
Wire connector	2
Trim plate	1
Operating Instructions	1
Rubber cushion	1
Remote control	1
AV cable	
GPS antenna	1
SD card	1
External microphone	1

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

**CLASS 1
LASER PRODUCT**