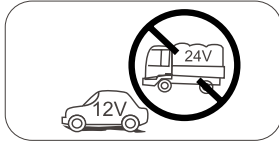Radio-Navigation system

USER MANUAL

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.
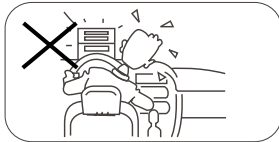

Never use the video display function in the front when driving to prevent the violation of laws & regulations and also to reduce the   risk of traffic accident except using for rear view video camera.


Never expose this unit, amplifier, and speakers to moisture or water for preventing electric sparks or fires.
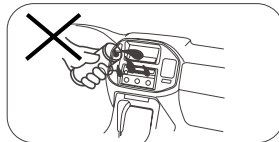
Please don't change the fuse on the power cord without professional guidance, using improper fuse may cause damage to this unit or even cause fire.
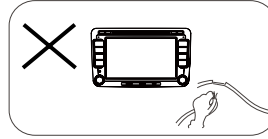
Please power off this unit at once and send it back to the after-sales service center or the dealer /distributor you purchased from if one of the following symptoms is found:
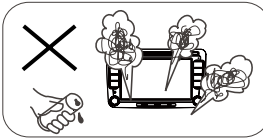
(a). Water or other objects enters the unit;
(b). Smoking;
(c). Peculiar smell.

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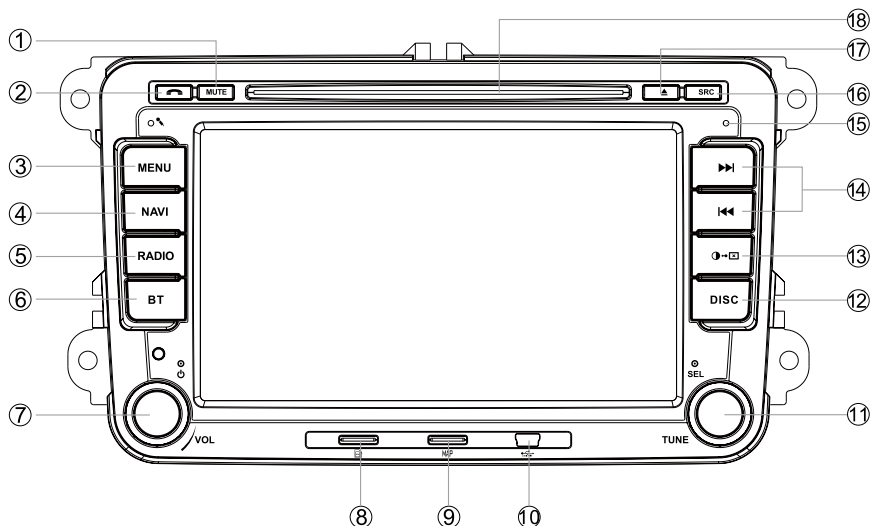
Precautions

1. Never disassemble or adjust the unit without any professional guide.
   For details, please consult any professional car shop / dealer for inquiry.

2. If the front panel or TFT monitor is squalid, please use a clean silicone cloth and neutral detergent to wipe off the spot. Using a rough cloth and non-neutral detergent such as alcohol for cleaning may result in scratching or decoloration to the applicant.

3. If any abnormal behavior of the unit is found, please refer to trouble shooting guide of this manual. If no relevant information is found,please press the [RESET] key on the front panel to resume factory default.

4. If you have parked the car in hot or cold weather for a long time, please wait until the temperature in the car becomes normal before operating the unit.

5. Using in-car heater in low temperature environment may result in beads coagulate inside the unit, DO NOT use the unit in this situation, eject the disc and wipe off the bead on the disc. If the unit still doesn't work after a few hours, please contact with after-sales service center.

6. No fierce impact to the LCD monitor when it is in open position for preventing the damage to any mechanisms inside.

7. To prevent the damage to the screen, avoid touching it with sharp objects.

8. To provide a clear demonstration and an alternative for easy understanding to the operation of this unit, graphic illustrations areused.
   However, these illustrations are some different from the actual images displayed on the screen.

9. Operate the unit correctly according to this manual to prevent unnecessary problem. The guarantee won't be valid if the problem is caused by inappropriate operation.

Contents

Front Panel

1. [MUTE] Key: Cut off the sound.
2. [📞] Key: Receive the call / Terminate the call / Call out
3. [MENU] Key: Enter main menu
4. [NAVI] Key: Switch to navigation mode.
5. [RADIO] Key: Switch to Radio mode / Select band.
6. [BT] Key: Switch to Bluetooth mode.
7. [VOL/ 🔘]: Adjust volume (rotate) / Turn on or off the unit (press)
8. MicroSD card slot
9. Map card slot
10. Mini-USB connector
11. [TUNE / $^{SEL}_{\circ}$] Knob:Radio mode: Tune for radio station
    CD/MP3 mode: Skip to the previous or next title, chapter or track(rotate) ; Play/Pause(press)
    Selecting/Setting menu: Select option(rotate); Confirm an entry or selection(press)
12. [DISC] Key: Switch to disc mode
13. [🔆] Key: Adjust screen brightness
14. [⏮] / [⏭]: Auto tuning / Fast playback
15. Reset: Load the original setting
16. [SRC]: Select work mode.
17. [⏏] Key: Eject disc
18. Disc slot

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

Power On/Off

Turn on: Press button [VOL/ 𝄐] on the front panel.
Turn off: When on, press [VOL/ 𝄐] button on the front panel.

Open SOURCE MENU

Press the [MENU] button 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 press the [SRC] button on the front panel repeatedly to select desired source.

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

Set Date /Time

1. Touch [Settings] on the SOURCE MENU.
2. Touch [Time].
   The date/time setup menu is displayed.

Set date
1. Touch [Date].
2. Touch the date informationon on the screen.
   A submenu is displayed.
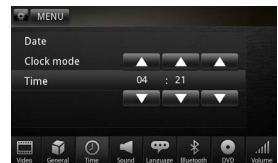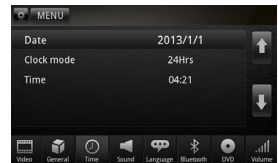3. Touch ▲ or ▼ to set year, month and day.

Set clock mode
1. Touch [Clock mode].
2. Touch [12Hrs] or [24Hrs] to switch clock 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.

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

Radio mode

Select radio as playing source
Press [RADIO] button on the front panel or select [Radio] on the SOURCE MENU.

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
Press the [◄◄] / [►►] button on the front panel or 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
Method 1:
During manual tuning, the frequency will be changed in steps.
Rotate the [SEL] knob on the front panel 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 [←] to delete the input number step by step.
3. Touch [C] to clear all of the input numbers.
4. Touch [✓] 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.

Search stations automatically
Press the [🔍] icon on the user interface to search the 6 strongest stations in current band and store them in memory.

Manual store
1. Tune to a station.
2. Touch [➜▬].
3. Touch one of the channels P1 to P6 to save the selected band.
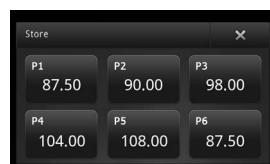
Tune to a preset station
1. Enter [Radio] mode.
2. Select band.
3. Touch one of the preset channels (1 to 6) on the upper side of the screen.

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

EQ Selection
Press the [⊞] icon to enter the EQ setup.

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.

At Radio mode, touch [AF] on the top of screen to turn on/off AF function.
When AF mode is turned on, the AF indicator will turns bright.

TA Mode
Some RDS FM stations periodically provide traffic information.
TP (Traffic Program Identification)
This station can broadcast traffic information.
TA (Traffic Announcements Identification)
Radio announcements on traffic conditions or EON station.

At Radio mode, touch [TA] on the top of screen to turn on/off TA function.
When TA mode is turned on, the TA indicator will turns bright.
When traffic announcement is received, 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.

EON default is on.

Adjust RDS Settings
1. In Radio menu, touch [⚙] icon.
   The option menu is displayed.
2. Touch on the selected option to change the setting.
· [RDS]: to turn on or off "RDS" function.
· [CT]: to turn on or off "Clock Time" synchronization function.
· [TA VOL]: Touch [◀] or [▶] to to adjust traffic announcement volume.
· [PTY List]: to set paring code.
· [Travelstore]: auto search and store stations.
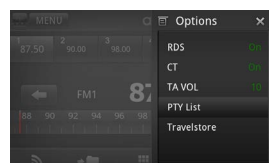
Load Disc

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 the Disc

Press the [⏏] key 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:
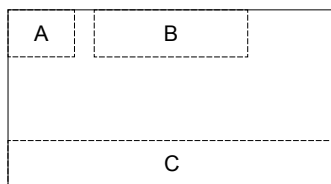
A: Return the main menu
B: Play the video and display playback information
C: Display onscreen control menu

Connect USB Device

1. Insert the small end of the USB cable to the Mini-USB socket on the bottom of the front panel.
2. Connect the other end of the cable to your USB device.

Remove the USB Device

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

Insert SD/MMC Card

Insert the MicroSD card into the MicroSD card slot on the bottom of the front panel. Play starts automatically.
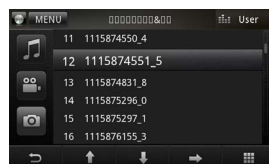
Remove the SD/MMC Card

1. Select other source on the main menu.
2. Press the card unit you hear a click sound.
3. Remove the card.

PLAY

Play/Pause
1. Once a disc, USB or SD/MMC card is inserted, play starts automatically.
   For DVD movie, if a menu appears, touch the enter of the screen to show control buttons. Then press [▶II] to start play.
2. To pause, touch [▶II].
   To resume play, touch [▶II] again.

(DVD)

Previous/Next
Press [I◀◀] / [▶▶I] key on the front panel or on the screen to skip to previous/next track/chapter.

Fast Forward/Backward
Press and hold the [I◀◀] / [▶▶I] key on the front panel or touch [◀◀] / [▶▶] key on the screen repeatedly to playback fast forward/backward.

Search for a Folder
For video files
1. Touch [🎬] to display all available video folders.
2. Select a folder, then touch [↑] or [↓] to select a file.
3. Touch [➡] to start play.
4. Touch [⟲] to stop play and resume to previous menu.
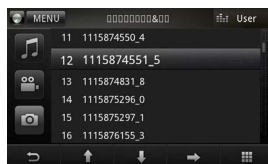
For audio files
1. Touch [🎵] to display all available audio folders.
2. Select a folder, then touch [↑] or [↓] to select a file.
3. Touch [➡] to start play.
4. Touch [☰] to stop play and resume to previous menu.
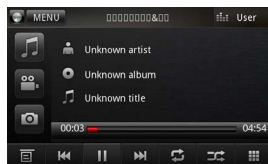
For picture files
1. Touch [📷] to display all available picture folders.
2. Select a folder, then touch [↑] or [↓] to select a picture.
3. Touch [➡] to view the picture.
4. Touch [■] to resume to previous menu.

(CD/MP3)

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 [🔁] to select:
   DVD
   Repeat chapter: play the current chapter repeatedly.
   Repeat title: play all chapters in the title repeatedly..
   Repeat off: cancel repeat play.
   VCD
   Repeat single: play the current single repeatedly.
   Repeat all: play all in the all 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 [🔁] to select:

   [🔁]: Play the current chapter repeatedly.

   [🔁]: Play all the tracks in the folder repeatedly.

   [🔁]: Play all the tracks repeatedly.

   [🔁]: Cancel repeat play

Repeat A-B
You can repeat a specific of video file (repeat A-B).
1. Touch bottom half of 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.
   The selected section plays repeatedly.
4. To exit A-B repeat mode, touch A-B repeatedly, [Repeat A-B off] is displayed.

Random Play
You can play audio tracks/files in random order.
During play, touch [🔀] button on the screen 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 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 a language.
   The selected language is displayed.
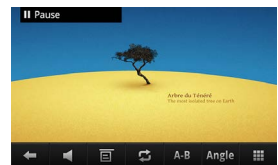
Change View Angle
Some DVDs contain alternate scenes,such as scenes recorded from different
camera angles.For such DVDs,you can select from the available alternate scenes.
1. During play, touch bottom half of the screen to display control bar, if necessary.
2. Touch [ANGLE] on the screen.
   The view angle is changed.

Rotate Pictures

1. When you view pictures,touch bottom half of the screen to display menu on the screen, if necessary.
2. Touch [▱] repeatedly to rotate the picture.
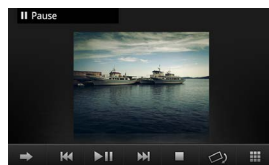
Zoom

You can zoom in pictures for a close view.

1. When you view pictures, touch bottom half of the screen to display menu on the screen, if necessary.
2. Touch [➜] on the bottom left of the screen to display the 2nd menu, if necessary.
3. Touch [⊕] repeatedly to zoom in the picture.
4. Use [⬆], [⬇], [⬅], [➜] keys to pan through the enlarged picture.
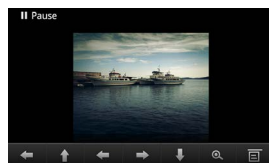
Bluetooth mode

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 5 devices.

1. Turn on the Bluetooth function on the device.
2. Search for Bluetooth device with the device.
3. Select model name 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]
· [Mobile phone book]

Or touch [▦] to dial number directly, then touch [📞] to dial.
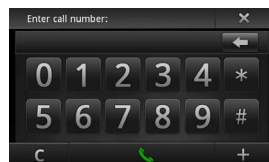
Receive call

By default,all incoming calls are received automaticaly.

1. If there is incoming call, [Incoming call...] flashed on the screen.
   Touch [📞] to receive the call, and speak into the Bluetooth microphone.
2. When conversation ends, touch [📞](red) to terminate the call.
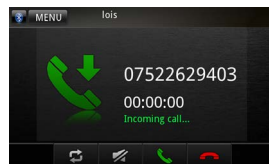
Tip

· 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 paring code.
· [Phone Book Sync]: to synchronize phone book, touch [✓] on the sub-menu popped out.
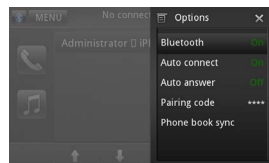
Tip

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

Select iPod as playing source

Turn on the unit's power, and connect an iPod to the unit via an iPod cable, the unit will load the iPod automatically. (Refer to <Appendix>)

Play

On the iPod main menu, operate the iPod via touch panel.

For audio files

1. When the music root menu appears on the screen, touch an option (such as PlayLists, Artists...), then touch [⬆] or [⬇] to select a file.
2. Touch [➡] to play the selected file.
3. To pause, touch [❚❚].
   To resume play, touch [▶].
4. Skip to previous/next track, press [◀◀] / [▶▶] key.
5. Touch [🗐] to stop and return to the root menu.

For video files

1. Touch [🎥] to display video folders root.
2. Touch an option, then touch [⬆] or [⬇] to select a file.
3. Touch [➡] to start play.
4. Skip to previous/next chapter, press [◀◀] / [▶▶] key.
5. Touch [🗐] to stop and return to the root menu.

For picture files

1. Touch [📷], then operate on your iPod.
2. Touch [🗐] to return to the root menu.
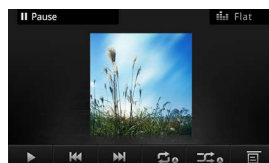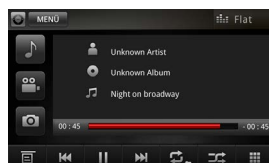
Select DAB as playing source

1. Press the [MENU] key on the front panel or touch the top left corner of the screen to open the SOURCE MENU.
2. Select [**DAB+**] on the main menu to enter **DAB** mode.
   If DAB is not on the current source menu, touch [➡] button on the bottom of the screen.

* When playing, touch the bottom half of screen to show operation bar.

Select one DAB band

Touch the [1 2 3] button on top left of the screen to select one radio band among DAB1, DAB2 and DAB3.

Tune

There are four search mode. You can touch the middle of operation bar to select search mode from followings:

1. Preset Search
   Search preset service one by one.
2. Current Search
   Service Search in the current Ensemble.
3. Manual Search
   During manual tuning, the frequency will be changed in steps.
   Touch the [◄◄] or [►►] button on the operation bar to tune in a higher / lower station.
   Hold the [◄◄] or [►►] button on the operation bar for more than 2 seconds to seek a higher / lower station.
   To stop searching, repeat the operation above or press other buttons having radio functions.
4. ALL Search
   Service Search for all stored by Station search.

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

Preset scan

Preset scan receives the stations stored in preset memory in order. This function is useful when searching for a desired station in memory.
1. Press the [🔍] button on the operation bar.
2. When a desired station is tuned in, press the same position to continue receiving that station.

Auto store

Only stations with sufficient signal strength will be detected and stored in the memory.
To start automatic station search, touch following buttons on the operation bar in sequence: [目] -> [★] -> [**OK**] .
To stop auto store, press other buttons having radio functions.

Notes:

1. After auto store, the previous stored stations will be overwritten.
2. The unit has 3 bands, such as DAB1, DAB2 and DAB3.

Manual store

1. Touch the [☰] button to show list menu.
2. Touch the [☆] button to enter store preset service menu.
3. Select a position to store current service.
4. Touch [↩] to exit.

Delete stored services

1. Touch the [☰] button to show list menu.
2 Touch [🗑] to enter the delete menu.
3. Select services and touch [✓] to delete.

Recall the stored services

1. Touch the [☰] button to show list menu.
2. Touch to select a preset service.

PTY Search

Touch [☰] button on the operation bar, and then touch [🔍] to show PTY type.
Drag up/down to scroll, and touch to select.
Touch [**Seek**] to seek a channel within the selected category.

L-BAND ON/OFF

To turn on L-BAND function, touch following buttons on the
operation bar in sequence:
[☰] -> [▶] -> [**L Band**] -> [**OK**] .

Service Link

To select Service Link mode, touch [☰] button on the operation bar, then touch [**Service Link**]
to choose "DAB-DAB", "DAB-RDS", "DAB-ALL" or "Off".

Adjust volume
To adjust volume, rotate the volume knob on the front panel.

Mute
When playback, press the [MUTE] button, the sound is cut off.
To resume sound, press the button again.

Select preset equalizer
You can select preset equalizer:
· [User]   · [Jazz]
· [Techno]   · [Optimal]
· [Rock]   · [Flat]
· [Classic]   · [Pop]

1. Touch [≣] on the screen.
   The current Equalizer setting is displayed.
2. Touch [+] or [-] to select an EQ.
3. Touch [+] or [-] to adjust belowsettings:
· [Bass] bass range: -14 to +14
· [Mid] middle range: -14 to +14
· [Treble]treble range: -14 to +14
· [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 rang: 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.
2. Touch [≋≋].
   Below options are displayed:
3. Touch [+] or [-] to select subwoofer volume.
· [Sub] subwoofer volume: 0 to 24.
4. Touch [▲], [▼] or [◄], [►] to adjust fader/balance value.
· [Fade] fader range: - 24 to +24 (F=front range, R=rear range)
· [Balance] balance range: -24 to +24 (L=left range, R=rear range)
5. Touch the upper left corner of the screen to exit.

SETUP

Display System

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

Adjust Video Settings

1. Touch [Video].
2. Touch an option repeatedly to select:
3. Touch the upper left corner of the screen to exit.

Video settings	Options	Description
Aspect ratio	Full	For widescreen display
	Normal	For normal display
Video input	Auto	Select Video input format.
	NTSC	
	PAL	
	SECAM	
Rear view camera	Normal	When you drive in reverse, the rear view displayed in normally.
	Mirror	When you drive in reverse, the rear view is displayed inmirror.
Parking	ON/OFF	You can set the parking on or off.

Adjust 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 the upper left corner of the screen to exit sub-menu.

General settings	Options	Description
Radio region	USA	Select one that matches your location.
	Asia	
	Japan	
	Europe	
	Europe (LW)	
	OIRT	
Dimmer mode	Night/Dark/Normal/Bright	You can select the dimmer mode.
Key colour	Adjust	You can select the key colour.
Beep	On	Turn on the beep sound. Each time you press a button, the unit beeps.
	Off	Turn off the beep sound.
Wallpaper	1/2/3/4/5/User Defined	You can select the fond wall paper.
Calibration	Calibrate the touch screen.	
Screen Saver	On	Turn on the screen saver. If no operation for several minutes, the unit will enter standby mode.
	Off	Turn off the screen saver.
ScrSaver Time	Select screen saver time.	
OS/MPU/MCU/MPEG	Software version number.	
Climate Display	On	Display the aircondition information of the car.
	Off	Hide the aircondition information.
Load factory	Reset the unit.	

Adjust Time Settings
Please referrence for <Basic operations>.

Adjust Sound Settings
1. Touch [Sound].
2. Touch an option repeatedly to select:
3. Touch the upper left corner of the screen to exit.
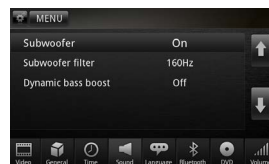
Sound settings	Options	Description
Subwoofer	On	Turn on the subwoofer.
	Off	Turn off the subwoofer
Subwoofer filter	80Hz	Select subwoofer filter criteria.
	120Hz	
	160Hz	
Dynamic bass boost	On	The dynamic Bass Boost functions is on.
	Off	The loudness function is off.

Adjust Language Settings
1. Touch [Language].
2. Touch an option repeatedly to select.
3. Touch the upper left corner of the screen to exit.

Language settings	Description
On screen display	Select on-screen display language.
DVD audio	Select DVD audio language. Options available are depends on DVD disc.
DVD subtitle	Select DVD subtitle language. Options available are depends on DVD disc.
Disc menu	Select DVD menu language. Options available are depends on DVD disc.

Adjust Bluetooth Settings
1. Touch [Bluetooth].
2. Touch an option repeatedly to select.
3. Touch the upper left corner of the screen to exit.

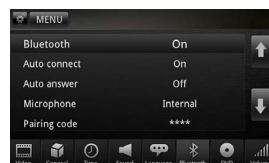| Bluetooth settings	Options	Description
Bluetooth	On	Turn on the Bluetooth function.
	Off	Turn off the Bluetooth function.
Auto connect	On	If the pre-paired device is within the effective range, the unit re-coonects to pre-paired device automatically.
	Off	Need to re-connect manually.
Auto answer	On	Answer paired phone call automatically.
	Off	Answer phone call manually.
Microphone	Internal	Use internal microphone
	External	Use external microphone (need to be connected)
Pairing code		Set the password for pairing the unit with other Bluetooth device.

Adjust DVD Rating

1. Touch [DVD rating].
2. Touch an option repeatedly to select.
3. Touch the upper left corner of the screen to exit.
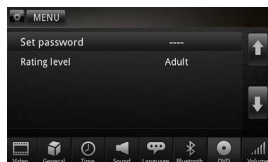
DVD rating	Options	Description
Set password	Set password to restrict the play of discs. The supper password is 4321.	
Rating level	Kid safe	Acceptable for children.
	G	Acceptable for general viewers.
	PG	Parental guidance suggested.
	PG-13	Unsuitable for children under age 13.
	PG-R	Recommend parents to restrict children under 17 to view.
	R	Restricted recommend parents to guide children under 17 to view.
	NC-17	Unsuitable for children under age 17.
	Adult	Acceptable for adults only.

Adjust 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.
· [DVD]   · [DAB]
· [F-USB]   · [AV-IN]
· [SDHC]   · [DVB-T]
· [Radio]   · [Navigation]
· [Bluetooth]   · [R-iPod]]
3. Touch [⬆] or [⬇] to assign value: 0 to 12.
   When switches to the source,the volume increases automatically.
4. Touch the upper left corner of the screen to exit.

Listen to other devices

You can connect an external audio/video device to the unit.
1. Connect the car audio to the device with the supplied AV cable.
2. Touch the upper left corner to display the main menu.
3. Select [AV-IN].
4. Operated the connected the device(see the instructions manual of the device).

Tip

If you connected the system to other audio device through the REAR OUT L/R connectot(see "Connect wires" section), touch [AV-IN] to listen to that device.

Reset

When the unit hangs up, you can reset it.
Press RESET with a ball-point pen or similar tool.

Reset

Tip

When the unit is reset, all the settings remain unchanged.
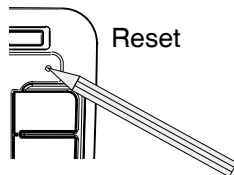
Remove the unit

To repair ,replace fuse ,or replace the unit with another car audio,remove it from the dashboard.
1. Take off the trim plate.
2. Screw off the four screws on the left/right side of the unit.
3. Pull the unit out from the dashboard.

Replace fuse

If there is no power,the fuse may be damaged and need to be replaced.
1. Take out the unit from dashbpard.
2. Check the electric connection.
3. Buy a fuse that matches the voltage of the damaged fuse.
4. Replace the fuse.

GPS

1. Touch the upper left corner to display home menu.
2. Touch [Navigation], the navigation menu is display in a few seconds.
3. Refer to the map manual to operate the navigation tool.

Tip:

You can press [NAVI] button on the front panel to enter/exit the navigation system.

User-Defined Wallpaper

1. Entry

Select Setting mode on the Source menu, touch [🖼] on the bottom left of the main menu. Or select [wallpaper] in the General setting, then touch the downwards button of the listed submenu until you find [user defined], touch it to enter user-defined wallpaper management.

2. Load picture from SD Card and use it as wallpaper

If you insert the SD Card with pictures in it after your entry, you may have to wait several seconds for the SD Card reading. Otherwise you may use it directly.

To Select a picture in SD Card, you should touch " SDHC" button first, then the directories and the files will be listed. If you select a directory and then touch "√" button , you will enter the directory. If you select a picture and then touch "√" button, the picture will be loaded into the flash and used as current wallpaper at the same time.

Touch the [🔄] button to go back to view the pictures in flash.

Touch the [🔼] button at the right side of the screen to go back to the upper directory.

3. Use or delete pictures in flash

After the 1st step, you can see the pictures in flash listed out, you can preview them by select one of them, then touch the "√" button to use it as wallpaper.

You can also delete pictures in flash which you are not currently using. Select one and touch the garbage box button.
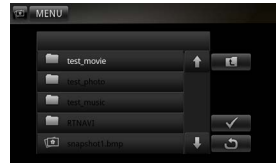
Specifications

Geneal

Reference Supply Voltage.. 12V(DC)
Operating Voltage Range ....10.8 - 16.0V(DC)
Max Operating Current..15A
Grounding System.. Car Battery Negative Pole
Dimensions(WXHXD) 178X100X173mm
Weight(main unit) 2.5kg

FM

Signal Noise Ratio... ≥55dB
Residual Noise Sensitivity(S/N=30dB) 18dBμV
Frequency Response(±3dB) ....20Hz~12.5KHz
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) .... ≥35dB

LCD

Screen size.. 6.2 inches(16:9)
Display resolution 800X480dots
Contrast radio 400
Brightness.. 280cd/m2

DVD Player

Signal / Noise Ratio...80dB
Dynamic Range...80dB
Distortion(line out) .... ≤0.1%
Frequency Response(±3dB) ....20Hz~20KHz
Maximum Output Power...4×45W
Load Impedance...4Ω

AUX IN

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

Audio

Audio Output Impedance... 10KΩ
Audio Output Level..2Vrms

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

Supported MP3 disc format:
·ISO9660,Joliet
·Maximum title number:512(depending on file name length)
·Maximum album number:255
·Supported sampling frequencies:32kHz,44.1kHz,48kHz
·Supported Bit-rates:32-320Kbps and variable bit rate

Supported video formats:
·DVD
·MP4
·Xvid

This unit supports only the following iPod/iPhone models:
· iPod touch (2nd and 4th generation)
· iPod classic
· iPod nano (2nd, 3rd, 4th, 5th and 6th generation)
· iPhone 4S
· iPhone 4
· iPhone 3GS
· iPhone 3G

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.

Warning
Never remove the casing of this apparatus.

To keep the warranty valid, never try to repair the system yourself.
If you encounter problems when using this apparatus, check the following points before requesting service. If the problem remains unsolved, please contact your dealer.

No power
· Car engine has not been started. Start the car engne.
· Connections is incorrect.
· Fuse has been damaged. Replace fuse.

No sound
· Volume is too low. Adjust volume.
· Speaker connections is incorrect.

Disc does not play
· Disc is upside down. Ensure the printed side is upwards.
· Disc is dirty. Clean the disc with a clean,soft,lint-free cloth. Wipe the disc outwards from the center.
· Disc is defective. Try another disc.
· Incompatible disc is used. Try another disc.
· Disc rating exceeds the restrict setting. Change the rating settings to lower one.
· Disc region code is not compatible with the unit. Use disc with proper region code.

No image
· Parking brake wire connection is incorrect. Check the parking wiring.

Image flashes or distorted
· Video DVD settings do not match with the DVD. Adjust video DVD settings.
· Video connection is improper. Check the connections.

Noise in broadcasts
· Signals are too weak. Select other stations with stronger signals.
· Check the connection of the car antenna.
· Change broadcast from stereo to mono.

Preset stations lost
· Battery cable is not correctly connected. Connect the battery cable to the terminal that is always live.

Fuse is broken

· The Fuse type is incorrect. Replace it with a 15A fuse.
· Speaker wire or power wire is grounded.
  Check the connections.

About Bluetooth device

Music playback is unavailable on the system even after successful Bluetooth connection.
· The device cannot be used with the sstem to play music.

The audio quality is poor after connection with a Bluetooth-enabled device.

· The Bluetooth reception is poor. Move the device closer to the system or remove any obstacle between the device and the system.

Cannot connect with the system.

· The device does not support the profiles required for the system.
· The Bluetooth function of the device is not enabled. Refer to the user manual of the device for how to enable the function.
· The system is not in the pairing mode.
· The system is already connected with another Bluetooth-enabled device. Disconnect that device or all other connected devices and then try again.

The paired mobile phone connects and disconnects constantly.

· The Bluetooth reception is poor. Move the mobile phone closer to the system or remove any obstacle between the mobile phone and the system.
· Some mobile phones may connect and disconnect constantly when you make or end calls. This does not indicate any malfunction of the system.
· For some mobile phones, the Bluetooth connection may be deactivated automatically as a power-saving feature. This does not indicate any malfunction of the system.

PIN NO.	Connector A		Connector B	
		Function		
1	Rear right (+) / Purple		CAN-H / Orange with white stripe	
2	Rear right (-) / Purple with black stripe		NC	
3	Front right / Gray		CAN-L / Brown with black stripe	
4	Front right (-) / Gray with black stripe		NC	
5	Front left (+) / White		Tele-mute / Brown	
6	Front left (-) / White with black stripe		Battery 12V(+) / Yellow	
7	Rear left (+) / Green		Ground / Black	
8	Rear left (-) / Green with black stripe		ACC+ / Red	