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Introduction

1.1 Features

1. Built-in DVD, FM, AM, TV, functions, (DVB-T and GPS functions optional)
3. 7” TFT-LCD vivid screen with 16:9 aspect ratio.
4. Touch panel can operate the characteristic OSD user interface directly.
5. Save the parameters automatically, and default parameters can be restored.
6. 1 channel AV output, very easy to connect with external AV device and compose a perfect car AV entertainment system.
7. 4 channels TV antenna input: receive good and stable TV program in the car.
8. Auto-save function in DVD mode, conveniently watch all kinds of disc continuously.
9. Clock display, get the current date and time at any moment and built-in perpetual calendar very easy for driving about the current date.
10. Hi-tech GPS navigation system can connect with special GPS device, making it convenient for driving and reducing the trouble of looking for ways.
11. Auto switch to the backing car display status when backing a car, if external camera is available, the car rear status can be seen on the screen in real time to ensure the safety.
12. Auto mute for answer the car telephone if it is available.
13. Hand brake detecting function, which switches off the TFT display automatically to ensure the safety during driving.
14. Auto detect the small light switch function; if the small light is on, the light of keys will be on and the TFT screen will switch to night mode automatically.
Introduction

15. Fluorescent remote convenient for use in the night
16. the TFT-LCD angle can be adjusted arbitrarily and the sliding mechanism can be auto-protected.
17. can connect to the external control keys of steering wheel, easier and more convenient for operation.
18. Control function for external power amplifier, avoiding impactive sound from switching power amplifier.

1.2 Usages

The product has a high-definition TFT-LCD color screen, built-in DVD, FM, AM, TV, optional for backing car radar and has connection for rear view mirror and 4 channels audio output, so it is very easy to compose a set of ear entertainment system in the center of this product. And it has no radiation, low power consumption. Because the picture has no flicker, view angle can be adjusted arbitrarily, the color is vivid and the product shape is cabinet, so this product can be used for all kinds of car.

Functions

- Compatible with DVD, VCD, CD, MP4, MP3, CD-RW discs.
- USB/MMC/SD
- AM/FM Radio signals
- Digital TFT with Touch Screen
- TA (Traffic Announcement)
- Bluetooth Connection (Option)
- RDS (Radio Data System) (Option)
- Analogue TV (Option)
- GPS Navigation (Option)
- DVB-T Receiver (Option)
- Ipod Receiver (Option)
Functions

Remote Control Layout

1. Power Switch
2. Pause/Play Button
3. Mute Button/phone/PAIR
4. Selecting Menu Button
5. Band/System
   Switch/Phone
6. Enter Button
7. Volume Control
8. Tuning/Selecting/Tracks/
   F. F/REW/DEL/REDL
9. Program Playing (TV
   Audio)
10. On-Screen Display
11. Setting the Sound
    Characteristics
12. Repeat Playing/AMS
13. Random Playing/AF
    Button
14. Number Button
15. Audio-Setting
16. PBC Menu/TA
17. Subtitle-Setting
18. Playing Time-Setting
19. Mode Switch
20. Stop/Reverse Button
21. Angle-Setting
22. Slow-motion Play
23. Setup Menu
24. Menu-Display
25. Zoom-Setting
Basic Operation

Replacing the Battery

When the range of the operation of the card remote control becomes short or no functions while operating, replace the battery with a new button cell. Make sure the battery polarity before replace.

1. Pull out the Battery Holder while pressing the Stopper ①

2. Put the button-type battery (+) mark upward into the Battery Holder.

3. Insert the Battery Holder into the Remote Control.

Note: Some models are not equipped with Remote control; you should ignore the contents about remote control.
Basic Operation

Power Button
--Press 1( ) button to turn on/off the power

Pause/Play Button
--Press 2 (►□) button to suspend
The playback of CD, MP3, VCD, DVD, press it again to return to normal playback mode.

Mute Button
--Press 3( ) button to cut down
The sound output, press it once more to resume the previous sound level.

Menu selector
--Press 4(◄/↑/↓) to select
Your desired menu, then press 6(ENTER) or press the play button 2 (►□) to confirm

Note: This function works in main menu mode only refer to page 13.

Left/Right/Stereo Selector
--During the playing mode.
Continuously press 15(Audio) can change the sound to left/right speaker or stereo mode.

Note: There are 5 grades surrounding effect in surround mode. During VCD mode, you can see the different pictures indication different effects on the television
Basic Operation

Playing PBC (menu)
--During VCD mode only, when pressing 16 (PBC) button at the first time, PBC playback starts and the menu of entire disc appears on the television. And then you can select your favourite track by using number button 14 (0~10+). When a track is playing, you can press 20 (STOP/RETURN) button to return to the menu if you want to stop to select other tracks. To cancel PBC playing, press 16 (PBC) button again.

Subtitle Selector
--During DVD mode, press 17 (SUB-T) button to switch the menu to English, French, Chinese, Thai and Italian.

Instructions

Remote Control Operation

Setting CDs Playback Time
--In VCD, CD mode, press 18 (GOTO) key and set the time when you begin to play the track, and the television will display the time. Enter your desired time by pressing number button 14 (0~10+). For example, enter, 25:00, it will automatically start playing the track from point of the twenty-fifth minutes in the disc.
--In DVD playing mode, press 18 (GOTO) key once and input a desire track number, then press ( ) key to play the DVD from the position corresponding to the Track number selected.
--In DVD playing mode, press 18 (GOTO) key twice and the Television will display the time. Enter your desired time by pressing number button 11 (0~10+).

Mode Switch
--Press 19 (MODE) button to switch to radio mode or playback mode.
Basic Operation

Stop the Playback
--In DVD mode, press 20 (■/ ) Button to suspend the playback
and “press play to continue” shown On TV, press it again to stop
the Playback.
Note: In VCD, MP3 and CD, press this key once TO stop.

MULT-ANGLE KEY
--In DVD playing mode, press 21 (ANGLE) key, you can watch
The DVD content from different angle.

Remote Control Operation
Instructions

SET UP KEY
--In playing mode, press 23 (Setup), menu will be showed on
Screen (see the picture)
Press 7 (ENTER) key to confirm. After selecting your desired
content: SYSTEM SETUP: TV system, video, TV type
password, rating, default
The system can display NTSC, PAL, AUTO, when selecting TV
system (shown as picture)

The system can display S-VIDEO, when selection video
(shown as picture)
Basic Operation

The system can display 4:3ps, 4:3LB, 16:9 to adjust
The size of TV, when selecting TV type (shown as picture)

It can set up password when selecting password (Shown as picture)
The password option is initialized locked
And you cannot set the ratings limit or change the password. In order for the Ratings feature to work, the password mode must be turned on if you want to set the ratings limit, you will need to enter the default password, which is 0000, then press Enter to confirm. To change the password, you will be prompted for the old password, and then be prompted for a new one. Enter a 4-digit number (this is your password)

The system can display Kid to Adult 8 options, when selecting Rating (shown as picture)
Basic Operation

The system can display restore, when selecting DEFAULT (shown as picture)

LANGUAGE SET UP

The system can display Polish, English, Chinese, French, Spanish, Portuguese, German and Latin off for Options when selection OSD Language (Shown as picture).

Please select exit option for exit
Basic Operation

AUDIO SETUP: Audio out Key, Exit Setup.

The system can display spdif/off, spdif/raw, spdif/pcm, when selection audio out (Shown as picture).

VIDEO SETUP: Brightness, Contrast, Hue, Saturation, Sharpness, Exit Setup.

It can adjust the brightness when selecting Brightness (Shown as picture).

It can adjust the contrast when selecting Contrast (Shown as picture).
Basic Operation

It can adjust the hue when selecting Hue (Shown as picture).

It can adjust the saturation when selecting Saturation (Shown as picture).

It can adjust the sharpness when selecting Sharpness (Shown as picture).

DIGITAL SETUP: OP Mode, Dual Mono, Exit Setup.
The system will offer LINE OUT and RFREMOD.
To choose when selection OP MODE (Shown as picture).
You can choose DYNAMIC RANGE Including FULL, 6/8, 4/8 and 2/8 when selecting DYNAMIC RANGE (Shown as picture).

The system will offer STEREO, MONO L, MONO R and MIX MONO to choose when Selecting DUAL MONO (Shown as picture).
Basic Operation

TITLE KEY
--In DVD, VCD playing mode, Press 24 (TITLE) key to show all tracks title on screen. Then press 14 (0~10+) key or press 4 (←/↓/↑) key to choose your Desired track number and press 7 (ENTER) key or 2 (▶) key to Start.

ZOOM KEY
--In DVD, VCD playing mode, press 25 (ZOOM) key once for 2x Mode, twice for 3x Mode Three time for 4x Mode, Four time for 1/2x, Five times for 1/3x Six Times for 1/4x, Seven times to off
Note: NO ZOOM function CD/MP3 playing mode.
Basic Operation

2.2 About the Rear Output Interface

- Video Out (Black)
- Audio In Red (R) (Yellow)
- Audio In White (L) (Yellow)
- Subwoofer Line Out (Blue)
- (AUX) Video In (Yellow)
- Video Out (Gray)
- Front Speaker Out (Black)
- Rear Speaker Out (Gray)
- Red (R)
- White (L)
- From Car Aerial

Diagram:

1. Antenna Receptacle
2. Output Socket (female)
3. Fuse Holder
4. Video Out Receptacle
5. Output Socket (audio)
2.3 The front panel Function Show

Front Display
1. PWR and MOD 7. SEL 13. Eject
3. TRACK DN and SEARCH DN 9. Reset Switch 15. GPS Card Slot
4. TRACK UP and SEARCH UP 10. MUTE 16. LED for Disc Slot
5. MIC for Bluetooth 11. BAND and P/N
6. VOL+ and AMS 12. PLAY/PAUSE 17. SD Card Slot
Basic Operation

2.4 The Product Appearance

Our company is always trying to improve the product quality and release new products, so the product appearance, function or design described in this manual may be a little different, and the change is not noticed specially. So please check as the actual product.
Main Function Operation

3.1. Basic operation

1. Power On/Off

Switch on the power using the car key, and turn on the unit by pressing the anu key on the front panel, then the system will enter the last status before last power off, and press this key in any status will restore the unit to DVD mode, so you can eject/load the disc. press the 'EJECT' key for 2 second and the unit will eject the disc, if press the key continuously, the unit will be powered off.

2. Function ‹ and › switch

Press the ‹ and › key on the front panel or on the remote control to play previous and next chapter/track/title.

3. Function Mode Switch

Press the MODE key on the front panel or on the remote control, you can cycle switching the DVD, CDC, FM, AM, TV, AV and GPS mode. (Note: CDC function is only valid for Sanyo disc box)

4. Function MENU Switch

Press the MENU key on the front panel or on the remote control to display the root menu about DVD.

5. Function ‼ switch

Press ‼ key on the front panel or on the remote control to play DVD or pause DVD.

6. Volume Control

In normal playback status, pressing the key VOL+/- on the front panel or on the remote control will change the sound volume as your requirement.
Main Function Operation

7. Mute Control

In normal playback status, if you don't want need audio output, you can press the MUTE key on the front panel or on the remote control. The system will not output audio, press again and the system will exit mute status and restore the audio output.

8. Turn over the Front Panel

Touch right or left area on up and down of display screen will adjust display angle.

9. Eject the disc

If the front panel is fully expanded, the disc will be ejected out automatically.

If the front panel is not expanded fully, pressing the EJECT key on touching the “Eject Disc” on OSD menu will eject the disc too.

3.9.2. Basic Operation of the touch panel

When the power key on the front panel or the power key on the remote control is pressed, the system will automatically enter before last power off. Now you can operate the unit. This unit has touch panel function, and the main page is as figure OSD-001, including seven functions: DVD, TV, Radio, disc Box, GPS, AV and Setting. You can operate the unit by touching the corresponding icon on the screen, or you can cycle selecting every function by pressing UP/DOWN key on the front panel or on the remote control, the selected item by pressing the MODE key on the remote control.
Main Function Operation

or the MENU key on the front panel, pressing the VOL+-key can increase or decrease the value needed.

1. DVD/CDC function

   Touching the DVD icon, you can enter

   the page as figure OSD-002.

   (1) Play/Pause: Touch the Play/Pause
   icon on the screen the unit will perform the Play/Pause function and
display the current status on the TFT screen.

   (2) Skip and Play: Touch the previous or Next icon, the unit will jump to
   the previous or next track every time you touch it.

   (3) Main: Touching it will return to the page as OSD-002. (This function
   is same in any status.)

   (4) Volume Control: Press the +or- icon, and the volume can be adjusted
   as you require. (This function is same in any status.)

   (5) Fast Forward/Reverse: Touch the fast Forward/Reverse icon, the unit
   will play forward or reverse as 2-20 times multi-speed.

   (6) Eject the Disc: Touch the Eject icon, and the disc will be ejected.

   (7) EXIT: Touching Exit icon will exit the current OSD page. (This function
   is same in other status.)

2. TV/AV function

   Touching the TV icon in the main page, you can enter the page as figure
OSD-003, And the detailed operation can be referred to chapter 3.4.

   (2) TV Type Switch: You can switch to PALI/DK/BG/H/M, NTSC MN,
       SECOMDK/BG/L/LL as you need.

   (3) Mute: Touching the Mute icon, the system will mute, if this icon is
   touched again, the audio will be Output
Main Function Operation

again. (This function is same in any status).

3. Radio function

Touching the Radio icon in the main page, you can enter the page as figuree OSD-004. And the detailed operation can be referred to chapter 3.5.

(1) AM/FM: Touching the FM/AM icon, you can switch different radio band.

(2) Search: (A) Switch to FM or AM band by touching the Band icon, and then you can start the search over full band range (FM 87.5MHz-108MHz, AM 531KHz-1620KHz) by pressing the key on the front panel or the Search icon on the screen. And the unit will save the stations searched automatically. (B) When the search is completed, you can cycle switching station through FM1...FM5, and AM1...AM5 by touching Band icon, or you can listen to the station you need by touching the channel number directly.

(3) Channel+/-, Fine Tune+/-: Touching the corresponding icon will perform the corresponding function.

4. AV function

Touching the ava icon in the main page, you can enter the AV input page as figure OSD-005. And the detailed operation can be referred to chapter 3.6.

5. Disc Box Function

Touching the Disc BOX icon in the main page, you can enter the disc box as Figure OSD-006. And the detailed operation can be referred to chapter 3.7.

(1) Play/Pause: Touching this icon will play/pause the playback of the disc box.

(2) Mute: Touching the Mute icon, the system will mute, if this icon is touched again, the audio will be output again.
Main Function Operation

Select Disc and Track: Touching the Previous/Next Disc or Previous/Next Track icon will perform the corresponding functions.

6. Settings

Touching the settings icon on the main page, you can enter the settings page as figure OSD-007.

(1) Picture Setting: Touching the picture Setting icon, you will enter the picture Adjustment page as figure OSD-008. You can adjust the picture's brightness, contrast, and chroma, increasing/decreasing the value by touching the + or - icon, or you can restore the system default value. There are several picture modes to select: bright, gentle, night, switched by touching the Mode icon as you need. If you touch the Exit icon, the unit will return to the playback status in full screen, and OSD-008 touching the Main Page icon will cause the unit return to the main page.

(2) Audio Adjust: Touching the Audio icon, you can enter the audio adjustment page as figure OSD-009.

A. front Left/Front Right, Rear Left/Right: Touching these icons and operating the "-" and "+" icons, you can increase or decrease the audio volume of the front left/right and rear left/right speakers.

B. After touching the main volume, treble, bass, principal volume, you can change the main volume, treble, and bass volume by touching the "-" and "+" in the middle.

C. You have several audio effect to select by touching Audio Effect icon: pop, rock, music, classic, cinema, hall, standard, and you can touch the main page, Exit, Mute icon to perform the corresponding function. (these functions have been narrated before.)
Main Function Operation

(3) Clock Setting: Touching the Clock icon, you will enter the clock setting page as figure OSD-010.

A. Change Hour: Touch the "Hour" icon and the hour display will turn red and flash. So you can change the hour value by touching "-" and "+
icon.

B. Change Minute: Touch the "Minute" icon, the minute display will turn red and flash. So you can change the minute value by touching "-" and "+
icon. (The year, month and day are adjusted in the same way.)

(4) Buzz ON/Off: Touching the Buzz icon as figure OSD-011, the buzz will be switched on or in normal way, and it will be switched on again if you touch the icon once time.

(5) TFT On/Off: Touching the Buzz icon as figure OSD-011 will switch off the TFT screen display. On the contrary, entering the settings page and touching the TFT icon again will switch on the TFT screen display, after you touch the Exit icon, you can see screen again.

(6) Touch Panel Coordinates Adjust: Touch the "Touch Panel Adjust" icon in the setup page as figure OSD-012. Point the center of the left upper icon in the screen and press the I key on the remote control to confirm. Secondly point the center of the left down icon in the screen and press the I key on the remote control to confirm. Lastly point the center of the left upper icon in the screen and press the I key on the remote control to confirm. Finally press the ENTER key and the system exits, now the coordinates is revised.

(7) Main page: Touch the "Main Page" icon in the setup page and the system will exit to the main page.
Main Function Operation

(8) Exit Touch the "Exit" icon the setup pasge and the system will exit OSD page and return to the current playback status.

(9) TFT Angle Adjust: When video signal is output, touching the left/right upper corner will cause the TFT screen draw back, and touching the left/right down corner will cause the screen extend out.

3.3 DVD Function Operation
1. Press the "MODE SWITCH" key in the front panel, or press the "MODE" key in the remote control to switch to DVD mode. Then press the "EF" on the front panel to slide out the TFT screen and insert the disc (Note: The label side should be faced up). Then the disc will be played automatically. If you press the "EF" key again, the disc will be ejected out automatically.

2. Pause/Play "pressing the PLAY/PAUSE key in the front panel or on the remote control will pause the pause the playback, and pressing again, the disc will resume playback.

3. Audio Channel Switch: In normal playback status, pressing the CHANNEL key on the front panel or on the remote control will switch the audio channel, such as left/right channel, stereo, audio 1 and 2, according to the disc.

Main Function Operation

3.4 TV Function Operation
1. Press the "MODE SWITCH" key on the front panel or the "MODE" key on the remote control, or touch the TV icon in the screen to switch the unit to TV mode. The unit can save all the TV programs.

2. Search TV Programs: Press the SEARCH key on the remote control, and the unit will start to search TV programs and save all the programs automatically. After the search is
Main Function Operation

completed, the unit will return to the first program and play it. (During searching process, the system is mute). By the way, the "►►" key on the front panel or on the remote control can be used as search function key.

1. Select Program: Press the ◄◄ or ►► key on the front panel or the remote control to select the TV program you like. Every time you press these keys, the unit will skip forward or backward one program.

2. Fine Tune: When the program picture quality is not clear, you can press the ◄◄ or ►► key to fine tune the frequency of the current program to get the best quality.

3.5 AM/FM Function Operation

1. Press the "MODE SWITCH" key on the front panel or the "MODE" key on the remote control, or touch the RADIO icon in the screen to switch the unit to radio mode.

2. Search Radio Stations: Press the SEARCH key on the remote control, and the unit will start to search radio stations and save all the stations automatically. After the search radio is completed, the unit will return to the first station and play it. (During searching process, the system is mute). By the way, the ►► key on the front panel or on the remote control can be used as search function key.

3. Select Station: Press the ◄◄ or ►► key on the front panel or the remote control to select the radio station you like. Every time you press these keys, the unit will skip forward or backward one station.

4. Fine Tune: When the sound quality is not very good, you can press the ◄◄ or ►► key to fine tune the frequency of the current station to get the best sound quality.

3.6 AV Function Operation

3. Connect the video input and left/right audio channel input of AV1 or AV2 with the external video/audio device.
Main Function Operation

1. Switch the system to AV mode by selecting AV mode via touching the main page or pressing the corresponding key on the front panel or on the remote control.

3. 7 Baking Car Rader Function
1. In backing car status, the system will enter the backing car radar display mode. The system configured video backing car radar will display the distance and status between the car and the barrier on the TFT screen. If the distance between the car and the barrier is within the dangerous range, the buzzer will buzz continuously to warn the danger.

3. 8 Introduction for Bluetooth (Option)
1. Open you mobile phone Bluetooth function (do as the introduction book of mobile phone).
2. Operate the mobile phone to search Bluetooth equipment, then select the car Bluetooth set to pair, when the mobile phone prompt input password, please input "0000". If pair successfully LINK OK will be shown on the car screen.
3. In order to dial a phone number, at first press BND button on panel or PLAY button on remote controller, and then input the phone number by remote controller, and then press BND or PLAY again to start dialling phone number, while dialling, bell can be heard through the speaker.
4. Press MUTE to hang up the call.
5. Press BND to pick up the call when heard the bell from the speaker during radio or play mode.
6. Play MP3 Music (Only Support NOKIA)
Press MOD key to switch to the Bluetooth mode, then open the MP3 function phone.
7. The Buletooth of mobile phone can be linked with car automatically when successful
Main Function Operation

3.9 GPS Function (Option)

3.9.1. Safety Notices and Warnings

※ Global Positioning System (GPS) is operated and controlled under the sole responsibility of the Government of the United States of America, who are responsible for its availability and accuracy. Any change in GPS availability and accuracy, or in environmental conditions, may impact the operation of your Navistar.

※ Use this product prudently. The product is to be used only as a navigation aid. It is not for precise measurement of direction, distance, location or topography.

※ When the artificial satellite carrying out GPS first fixes position, stay in the same place please, use more spacious that place is suitable, superjacent have not to blocking anything. Need to look at environment that time and artificial satellite signal intensity but fix above waiting for the ten minutes.

※ For your own safety, do not operate the controls of the product while driving.

※ GPS satellite signals can not pass through solid materials (except glass). When you are inside in a tunnel or building, GPS positioning is not available. Signal reception can be affected by situation such as bad weather or dense overhead obstacles (e.g. trees and buildings).

※ The wireless devices might interfere the reception of satellite signal and cause the reception of the signal to be unstable.

※ When you get off the car, do not leave your device on the dashboard or the car glass that is subject sunlight. The overheating of the battery can cause malfunction and/or danger.

※ The windshield receives paste the paper which be used for adiabatic or preventing explosion, will disturbed the signal quality. For better signal reception, it is recommended that you can choose adiabatic paper of not containing metal matter or use a car antenna (option).

※ The calculated route is for references only. It is user's responsibility to follow the traffic signs and local regulations along the roads.
Main Function Operation

2. Brief Introduction
※ The intelligent multi charts management may simultaneously open many different local the chart files, when carries on the navigation, search the interest points and move map, the system will display the map of the place automatically. For example, the user simultaneously has Beijing and Shanghai as well as Shenzhen's map, can let the user feeling in the use identical wrap map in the unit.
※ The visual fast localization might fast examine from the map to the addressing position and the next curve information immediately.
※ Smoothly rolls up and push along the map when you drive, the map steadily rolls up and push along on your screen, you can know your location rapidly.
※ Zoom in and out during navigation, the map scale can switch automatically depend on the driving speed, you can obtain the most suitable map information at any moment.
※ The display mode transforms you can adjust the map's background color and the position index plate's color by yourself, then you can be able to see the navigation picture clearly when driving at night.
※ Midway - use the uint, you to be allowed establishes the midway between the beginning and the end point, the navigation system plans the way according to a midway order and leads you smoothly to arrive at the destination.
※ Interest the device may easy to seeks the restaurant, the airport, the gas station... And many kinds of intuitions type classification interest information.
※ Relaxed, integrated route plan - may fast design a travel route for you, the way plan calculation has full consideration of travel limit: one-way street, pass through the limit and so on.
Main Function Operation

※ Suggests the route curve information-suggestion route curve detail information, can fast browse the entire route of the suggested curve street.
※ The intersection schematic drawing schematic drawing is simple and artistic, you can understand the next curve intersection and the curve way, you will not be lost!
※ The GPS satellite information - display the GPS orbiting vehicle information to examine the receive condition and content of the GPS signal which GPS equipment accepts.
※ Records your route - software record and display your route, and save the route to use for the future.

3.9.3. System Set Up

Press “Config” Icon on the main menu and then enter into the system Set-up interface.

Set-up interface

The system menu provides the “Volume”, “Backlight”, “Navigating”, “Calibrate”, “Language”, “System”, and “Return” for choose, the introduction are in the following chapters.
Main Function Operation

3.9.3.1. Volume
Examine or set up the system's volume.
1) Press the “Config” Icon on the main menu and then enter into the system Set-up functions.
2) Press the “Volume” Icon on the setup menu.
3) You can select the left or the right button to adjust the volume. (Button left use to adjust the volume slightly, button right use to adjust the volume loudly).
4) Click , can choose mute click sound.
5) Press to save the setting and press.

3.9.3.2. Backlight
1) Press the “Config” Icon on the main menu and then enter into the system Set-up functions.
2) Press the “Backlight” Icon on the setup menu.
3) Press left to darken the screen, press right to lighten the screen, press right to save the setting and press right to exit.

3.9.3.3. NaviSetting
1) Press the “Config” Icon on the main menu and then enter into the system Set-up functions.
2) Press the “NaviSetting” Icon on the setup menu.
3) Click , can auto run navigator application with start. Press button can enter the interface of the way choice.
Main Function Operation

4) This interface shows all the folders and execution files. You can copy the different maps to the SD card and select the path which you choose, and then press \( \Rightarrow \) to make sure. Press \( = \) and \( \Rightarrow \) can preview page and next page. Press \( \equiv \) exit.

5) Under the NaviSetting interface, press \( \equiv \) to save the setting.

3.9.3.4 Calibrate

1) Press the "Config" Icon on the main menu and then enter into the system Set-up functions.
2) Press the "Calibrate" Icon enter the calibration program.
3) According the system prompt click the screen exactly. If you want to exit, press the "Return" button on the device.

3.9.3.5 Language

1) Press the "Config" Icon on the main menu and then enter into the system Set-up functions.
2) Press the "" Icon enter the Language setting interface. In this menu, click \( 
\downarrow \) and \( \uparrow \) can transform the system language into English, traditional Chinese as well as simplified Chinese. Setting complete, press \( \equiv \) to save the setting and press \( \equiv \) exit.

3.9.3.6 GPS Test

You can know the secondary planet and the orientation from this interface. Click \( \equiv \) can exit.
Main Function Operation

DVB-T Function (Option)

3.10. Install Wizard

When switch to DVB-T mode for the first time after purchasing, press Menu touch key, the screen display country setting and Search Mode, after you can select one search mode, immediately performs Channel Search.

Please wait for finishing the Channel Search. If you want to stop the Channel Search, press the OK button. If the Channel Search is stopped or finished, the result of Channel Search is automatic saved and display the channels program.

If search operation is successfully completed, and the channel does not exist, press the OK button and try to reset the search operation again if necessary.

When completing Channel Search, the Channels automatic save to changes. You can easily set-up using simple organization and options, and watch the broadcasting after completing the set-up procedure.

3.11. Basic Operation

3.11.1. Switching Channel

You can switch the current channel using one of the following methods.

Press the \( \Delta/\n \) button.

Note: You can switch channel using the channel list or program guide.

3.11.2. Program Information

You can view the program information by pressing the Info button while watching a program.

Press the EXIT button to hide the I-plate.
Main Function Operation

You can see detailed information about the current program. Press the Info button where I-plate is displayed to view detailed information.

3.11.3. Subtitle
You can select the language for the subtitle if the program provides subtitle information.

1) Press the SUB button.
2) Select the required subtitle language with ▲/▼ button and press the OK button.
3) The subtitle will be displayed in the selected language at the left of the screen.

4) Subtitle Language
   i. You can set the language for Menu, Audio and Subtitle. Default language is English.
   ii. Press the Subtitle to display the available Language List, press ▲/▼ the button to select and press OK button.

5) Subtitle Display
   i. You can select whether or not to display the Subtitle automatically if provided.
   ii. Select Subtitle Display using the ▲/▼ button.
   iii. Select your desired option using the OK.

3.12. EPG (Electric Program Guide)
The Program Guide displays program information about each channel, based on the date and time. You can also schedule your recording using the information given.

Note: Press the EPG touch key, EXIT, or EPG button to exit the Guide screen.

3.12.1. Program Guide Information
You can view program information for all channels.

1) Press the EPG touch key.
2) Move to previous or next program within the same channel using  ◀/▶ the button.
3) Move to another desired channel using ▲/▼ the button.
Main Function Operation

4). Select your desired program, and press the OK button. Then you can watch the program if it is on air, or you can reserve it if it is the future program.

5). Press the Info button in the selected program to view detailed Information for the selected program.

3.12.2. Reservation

You can automatically reserve your desired program by selecting the scheduled program and pressing the EPG button.

1. Select the desired program and press the EPG button to complete reservation. This icon (Reservation Icon) will be displayed. Press the EXIT button again to cancel reservation.

3.12.3. Schedule

You can preengage watching-reserved program by schedule screen. Select the reserved program and press the OK button to display the information.

3.12.3.1 Edit Schedule

1. Select Time using the EPG button and press the OK button to edit the reserved program.

Select Delete using BACK the button and press the OK button to delete the reserved program.

2. Change the Channel and Date. Press the ▼button to display channel and date lists and select one item using -DAY/+DAY button and OK button.

3. Change Time using the -H/+H button

4. Select the EXIT button to cancel the editing.

5. Select the Save and press the OK button to complete the editing.
Main Function Operation

3.12.3.2. New Schedule
1. Change the Channel and Date. Press the button to display channel and date lists and select one item using -DAY/+DAY button and OK button.
2. Change Time using the -H/H button.
3. Select the Save and press the OK button to complete the entering.
4. Select the BACK1 and press the EXIT button to cancel the reservation.

Note: You can reserve up to 20 programs. If your desired program is overlapped other program, adjust the reservation appropriately.

3.13. TTX(Teletext)

The Program Guide displays program information about each channel, based on the date, time and the channel information.

Note: using ▲/▼ the button to look the teletext content. Press theTTX key display, and press TTX/EXIT to exit the teletext information.

3.14. Menu Operation

You can set search mode, country.

Note: Press the ► button to select and OK to save the changes. Press ◄/BACK button return to the previous menu. Press the EXIT button to exit the Menu screen.

3.14.1. Search

This Chapter describes how to search for channel and a series of procedures.

If your slim module is connected to the aerial and television, you
Main Function Operation

Can automatically search channels without entering any other information.

1. Select MENU button.
2. Select Search mode and Country using the ▶ button, and press the OK button.
3. Receiver starts to search channels automatically.

3.14.2. Country Setting
You can set the country for Menu. Default country is England.
1. Press double the MENU button.
2. Press the OK or ▶ to display the available Country List.
3. Select your desired country using the ▲/▼ button, and press the OK button.

3.14.3. Search
This Chapter describes how to search for channel and a series of procedures.

If your slim module is connected to the aerial and television, after you complete set up language and country, the later is reset default, you can automatically search channels without entering any other information.

3.14.4. Automatic Search
Wait while the receiver searches for the channels, this may take a few minutes.
1) During operating search, the cursor is located at Stop. Therefore, if you press the OK button during searching, the operation is stopped and the channels found until then will be displayed.

2) If search operation is successfully completed, and the channel does not exist, press the ▼ button select Exit and try to reset the search operation again if necessary.
Main Function Operation

1) Manual Search
   a) Press Menu touch key, and using ▲/▼button to select Installation, using ►button to select Your country or search Mode.
   b) Press OK to select Manual Search mode, then you can using ▲/▼and ◀/▶ button to change channel, frequency etc.

2) When completing Channel Search, the DVB can automatic to save the changes and display program.

3.14.5. Language setting

You can set the language for Menu/Audio/Sub, Default language is English.
1. Press the MENU button.
2. press ▼button, Select the Preferences and use ►button select Language setting using the ▲/▼button, and press the OK button.
3. Press the OK or ► button to display the available Language List.

3.14.6. A/V Control
Press Menu ant using the ▲/▼button to select preferences, use ►button select A/V control, press OK confirm.
Press OK button or ► button to display option, using the ▲/▼button to select, then you can change Video output/Screen Ratio/Display format.
EXIT button to exit.

3.14.7 Personal Style
Press Menu ant using the ▲/▼button to select preferences, use ►button select personal style, press OK confirm. At this menu list you can change Display Time and OSD Transparency.
Main Function Operation

Press OK or ▼ button to display option, and using ▲/▼ button to select, press OK save change.

Press EXIT to exit.

3.14.8. Subtitle Control
You can set Subtitle Output Control.
1. Press the SUB button.
2. Select the preferences using the ▲/▼ button, and press the OK.
   NOTE: You can select whether or not to display the Subtitle automatically if provided, when you select OFF.

3.14.9. Subtitle Control
You can set the language for Menu, Audio and Subtitle. Default language is English.
1. Select Subtitle using the blue button.
2. Press the BLUE button to display the available Language List.
3. Select your desired language using the ▲/▼ button, and press the OK button.

3.14.10. Default Setting
Default Setting restores the receiver to the default settings.
   Warning: Please note that once you perform Default Setting, all data such as Channel List, and User Configured data are deleted.

3.14.11. To perform factory Default and Look system Status

1. Press MENU button and ▼ button to select SYSTEM.
2. Press ▲ button to select reset default, press OK, using the △/▼ button to select yes, and press the OK button.
3. Select Yes and press the OK button to restore all setting to Factory Default. Select No and press the OK or BACK button to return to System.
Main Function Operation

4. Press ▼button to select system status, and press OK to confirm, then the screen display the system status.

Press Menu key and using ▼button to select Channels list, using ▼button to select Edit Channels or Favorite Channels.

3.14.12.1
Press OK to select Edit Channels, you can using ▲/▼button to select channels, then you can press LOCK/UNLOCK/DEL touch Key to edit it.
If you LOCK one channels then you will key input password to display the channels program.
Press EXIT to exit.

3.14.12.2. EDIT Favorite channels list
Using ▼button to select Favorite Channels, press OK to confirm.
Then you can edit your favorite channels list, using ▲/▼button to select channels, press ADD button to add the channels into favorite list. You can using SORT button to sort channels.
Using the ◀/▶ button to select TV or FAVORITE, at FAVORITE list, you can using ▲/▼button select channels, and press REM to remove the channels, or press SORT to sort the channels.
Press EXIT to exit.

When you have ADDED some channels to Favorite list [the fist pic], then exit. Press Menu and OK button [the second pic]. Press ◀/▶ button change to RADIO/TV or favorite channels list [the third & fourth pic]. In this screen, you can select TV or RADIO mode by pressing TV/R button, sort channels by pressing NUM or NAME button.
At this time, the channels remain favorite list numbers only using ▲/▼button to change channels.
## Main Function Operation

### 3.15. Menu Map

<table>
<thead>
<tr>
<th>Installation</th>
<th>Country Setting</th>
<th>Your Country</th>
<th>GMT Offset</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Automatic Search</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Manual Search</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>System</th>
<th>Factory Default</th>
<th>On</th>
<th>Off</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Software Version</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Channel List</th>
<th>Edit channels list</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Favorite Channels List</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Preferences</th>
<th>Parental Control</th>
<th>Set Censorship</th>
<th>View All/Lock All/5/7/12/15/18</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Change Password</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Channel Edit LOCK</td>
<td></td>
<td>ON/OFF</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Language Setting</th>
<th>Menu Language</th>
<th>Audio Language</th>
<th>Subtitle Language</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>A/V Control</th>
<th>VIDIO OUT</th>
<th>NTDC/PAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Audio OutPut</td>
<td>Stereo/Mono</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Miscellaneous Setting</th>
<th>Screen Ratio</th>
<th>Display Format</th>
<th>Display Time</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4:3/16:9</td>
<td>Auto/Letter Box/Center Mode</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Miscellaneous Setting</th>
<th>OSD Transparency</th>
<th>OSD Transparency</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Disable/25/50/75</td>
<td></td>
</tr>
</tbody>
</table>
Main Function Operation

3.16. Trouble Shooting

Before contacting your local service, please make sure following instructions. If the product does not work normally after completing the following trouble shooting, please contact your local product distributor or service centre.

3.16.1. Error message

<table>
<thead>
<tr>
<th>Error message</th>
<th>Possible Causes</th>
<th>What to do</th>
</tr>
</thead>
<tbody>
<tr>
<td>No or bad signal</td>
<td>The aerial is not pointing properly</td>
<td>Adjust aerial. Check the cable from the aerial.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>If you cannot resolve the problem you may need to have your aerial and installation Tested By a professional.</td>
</tr>
<tr>
<td>The channel is scrambled or not available.</td>
<td>The channel has signal, but no audio or video.</td>
<td>Confirm if the channel is currently on air.</td>
</tr>
<tr>
<td></td>
<td>The channel is not deleted by broadcasting company.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The channel is for data broadcasting.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cannot watch the channel in usual way</td>
</tr>
<tr>
<td>The channel is scrambled.</td>
<td>This digital terrestrial receiver</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Does not support the service that enables to descramble the scrambled channels.</td>
<td></td>
</tr>
<tr>
<td>The audio is not available.</td>
<td>The channel has signal, but no audio.</td>
<td>Press the RED button to confirm if the channel has Audio.</td>
</tr>
<tr>
<td>The antenna cable is short-circuited</td>
<td>Antenna cable is shorted. Antenna is internally shorted. Antenna in port is inserted by alien substance or damaged.</td>
<td>Replace antenna. Remove the alien substance and contact local service center if it is damaged.</td>
</tr>
</tbody>
</table>
Main Function Operation

3.17. Introduction for Ipod (Option)

3.17.1.
Once the ipod connect to machine, the TFT will automatism into Ipod interface, here will show some file, it can use “cursor” or “enter” button from the remote control to remove the file or enter the file in order to play music.

3.17.2.
While the machine with touch function, under the Ipod condition interface press TFT screen, it will show a operation interface of Ipod, it can click the button direct to play music. When your want to exit Ipod function, your can press the exit button. Reenter into the Ipod interface also can click the same button. If your want to operate RADIO function, your can direct click the RADIAO button.

3.17.3.
While the Ipod connect to machine all the time, it can click the Ipod icon from the machine. also can into Ipod condition
The Installation of the Product

The product installation figure as below

7) Put the unit into the installation slot.
8) Check the electronic connection is correct or not as mentioned in this manual. (See Page 2.2)
Use suitable tools to install the bolts.

Note:
If possible, this product should be installed by professional technician.
If meeting problem, please consult the car maintenance service center nearby.

1. This product only can be used in the cars that have 9-14V DC storage battery system.
2. Please connect every part carefully according to this manual (see page 2.2) wrong connection will damage this product.
3. The connection of other parts should be prior to the power connection.
4. To avoid short circuit, any exposed wire thru should be insulated.
5. Before installing the product, all the loose power should be fixed.
6. Please read the user manual carefully before connection.
7. Because this product is high precision device, so the installation environment should avoid:
   a. The direct sunshine or other over-hering place;
   b. Non-safe, or vehement shocking place;
   c. Humid or distu place.
5.1 Warning

1. Don’t put the unit in the rain or humid place in order to avoid the fire or malfunction.
2. In order to abide by the highway code and avoid traffic accidents, please do not watch the video screen while driving.
3. This product belongs to class I laser product, please don’t stare the laser beam directly.
4. Nonprofessional person is not permitted to disassemble the unit. If any problem happens, please refer to the professional technician or the specified service. Please do not repair by self.

5.2 Usage Safety

1) While driving, please turn off the TFT screen.
2) When washing the car, please don’t expose the product outside in order to avoid short circuit, fire and other danger caused by water or damp.
3) Please don’t locate your car in the sunshine place for long time, which will make the temperature inside the car very high. And please cool the inside of your car before turning on the unit.
4) This unit uses 12V DC power supply, please don’t use other unsuitable power.
5) Please don’t insert any other things into the disc loader.
6) In order to guarantee the drive safety, please keep low volume as possible and be attention to the traffic status.

5.3 The Point Disc Usage

1. Please don’t put the dirty, scratched or distortion disc into the unit.
2. Please don’t put the disc on the cuspidal things to avoid scratching the disc.
3. Please don’t put disc in the direct sunshine or humid, dusty place.
4. Please don’t use abnormal disc.
5. To clean disc, wipe it with a soft, damp cloth. If the disc surface is too dirty, wipe it gently with a soft, damp cloth with propanol. Don’t use solute such as benzens, theinner etc…
General

Power Requirements .................................................................................................................. 14.4V DC
Load Impedance .......................................................................................................................... 4Ω
Max. Power Output ....................................................................................................................... 60W x 4
Tone Controls ............................................................................................................................. +/−8dB (Bass 100Hz, Treble 10KHz)
Dimensions ....................................................................................................................................
Approx. 185x187x116 mm (DxWxH)
Mounting Dimensions ....................................................................................................................
Approx. 165x180x105 mm (DxWxH)
Weight ...........................................................................................................................................
Approx. 2.8kg

DVD Deck Section

Discs Played ............................................................................................................................... MPEG4, DVD, VCD1.0/1.1/2.0/3.0/, MP3, CD, CD-R, CD-RW, PICTURE CD
Video System ............................................................................................................................... AUTO/PAL/NTSC
Mounting Angle ............................................................................................................................ 0 to +/-30

Audio Section

Maximum Output level .................................................................................................................... 2Vrms (+/-3Db)
Frequency Response ...................................................................................................................... 20 to 20KHZ
Signal-to-noise Ratio .................................................................................................................... 85db
Separation ....................................................................................................................................... 80db

AM Tuner Section

Frequency Range ........................................................................................................................... 522-1620 (Europe/China), 530-1710 (U.S.A)
IF Range .......................................................................................................................................... 450KHZ
Usable Sensitivity (-20db) ............................................................................................................... 25db

FM Tuner Section

Tuning Range ............................................................................................................................... 87.5-108 (Europe/China), 87.5-107.9 (U.S.A)
LF Range .......................................................................................................................................... 10.7MHZ
Usable sensitivity (-30db) .............................................................................................................. 15db
Signal-to-noise Ratio ...................................................................................................................... 60db
Stereo Separation ........................................................................................................................... 30db (1KHz)
Frequency Response ...................................................................................................................... 30~15000Hz

TV Section (Option)

TV bands ......................................................................................................................................... VL, VH, VHF
Color system ................................................................................................................................. PAL/NTSC/SECAM (OPTION)
Sound system ............................................................................................................................... BG/DK/I
Resolution ....................................................................................................................................... 480x234
Sensitive ......................................................................................................................................... 65db