ONE DIN 7 INCH TOUCHSCREEN
CAR DVD RECEIVER

Instruction Manual

CAUTION:

1. Please read the instruction manual carefully before using the unit, to avoid wrong operation.
2. When you want to change other mode from GPS mode, please use mode button on the remote control or power button on the unit to switch.
3. Please do not use any sharp things or apparatus to touch panel and that will break the touching screen..
4. There are two modes of GPS for user selection, please carefully refer to instruction manual on page 19.
5. To aviod the sight of TFT disturb the drivers'eyesight please long press the PLAY/PAUSE button to turn off the screen but the voice can output normally .
6. When the unit is out of work,pelase take off the little plug and prick the RES button and recover it(please operate it lightly)
7. Please don't move the display monitor when the screen Stretches out or Shrinks,to avoid to brake the screen and the machinism!

DVD/VCD/CD/MP3/MPEG4/DIVX/JPEG

IPOD/TV/BLUETOOTH/AUX/USB/SD

FM/AM/MULTIMEDIA PLAYER

CATALOGUE:

1. Standard Accessory

Main Unit 1pcs	ISO Power Output Wire 1pcs	Remote Control 1pcs	Instruction Manual 1pcs
Plastic Frame 1pcs	Install Bracket 2pcs	Ipod Wire 1pcs	
* GPS Antenna 1pcs	*Touch Pen 1pcs		

*Remark: The GPS antenna and touch pen are only for the unit with GPS built-in model.

2. Specification:

Main Function Instruction

1) Built-in Amplifier & DVD player. 4x50W max power output.

2) Standard one Din Size (50MM) Height, 7"inch Touch Screen

3) Burglarproof detachable panel.

4) Five angles adjust screen.

5) Compatible with

DivX/DVD/DVD-RS/DVD+RS/DVD_RW,CD_R/CD_RW,MP3/MP4,WMA format. Support

JPEG display.

6) Front I-POD slot

7) Front USB 2.0 slot.

8) Front AUX input slot.

9) Compatible with PAL/NTSC/SECAM/SECAM_L TV system. 100 stations preset.

10) Support USA/Europe/Russia Radio System.

11) Support SD card reader

12) Preset manifold audio/video system

13) 1x audio input

14) 1x video input

15) 2x audio output

16) 2x video output

17) Rear view camera input

18) Wireless remote control

19) 18FM / 12AM presets

20) RDS built-in.

Optional Function Instruction:

1)Built-in WINCE5.0 Navigation System GPS, compatible with all kind of map software all over the world.

2)Built-in DVB-T

3.Touch Screen Area and Function Button Instruction

1. Touch Screen Instruction:

1) A touch area is main interface for enter, or return to main interface from current mode, suitable for radio/TV/DVD mode operation.

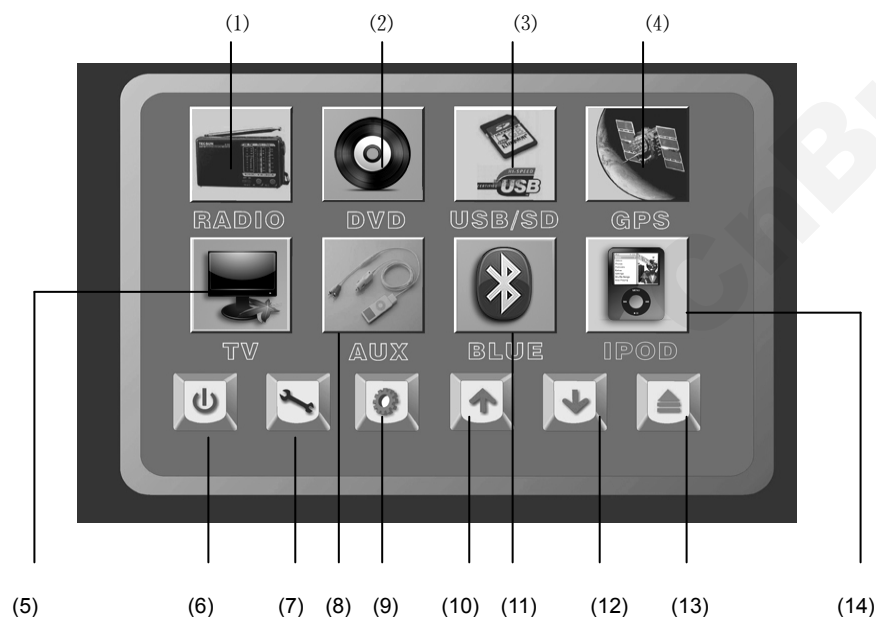2) B touch area only suitable for DVD mode operation, no effect for other modes.

2. Button Function Instruction

(1). TFT_UP button:ajust screen up,there are five angles for ajust up,it turn up a angle when press one time ,the screen can not turn up when at the end of angle. on DVD mode, short press to rearward a chapter/track, long press to fast return. On TV/radio mode, short press to return last station, long press for three seconds to scan previous frequency and will be stopped when successful scan the station.

(2). .TFT_DN button: ajust screen down,there are five angles for ajust down,it turn down a angle when press one time ,the screen can not turn down when at the end of angle. on DVD mode, short press to forward a chapter/track, long press to fast forward. On TV/radio mode, short press to forward next station, long press for three seconds to scan next frequency and will be stopped when successful scan the station.

(3).Auto/manual scan button,under radio mode it is station scan, long press 3 seconds the station will be manual scanned and stored under DVD for track switch

(4).SCREEN IN OR OUT BUTTON: the screen Stretches out or Shrinkswhen you press once .

(5).Ant-thief lock :when you need take off the plug plesse prease it

(6). - +VOL button: turn decrease button for volume, +VOL button: increase button for volume, vertica press is to enter,long press is to setup the machine core when playing DVD, long press is to make a call when bluetooth.VOL- +VOL/SEL button: ccontrarotate turn down the voice,clockwise rotation turn up the voice,press voice menu once can swicth BAS/TRE/BAL/FAD and can turn VOL- + to setup the parameter you need, under GPS2 mode,long pressofe 3 secondto switch GPS icon.

(7). Microphone for bluetooth

(8). POWER(MODE) button: press once to power on,,again press to change the mode,long press to power off..

(9). .BAND button:Change FM1/FM2/FM3/AM1/AM2 under radio mode and change the TV/DVD system under TV and DVD mode,change GPS1 and GPS2 under GPS mode

(10) Out connector input..

(11).MINI-USB input connector port.

(12).IPOD input connector port .

(13). EJECT button: eject disc.
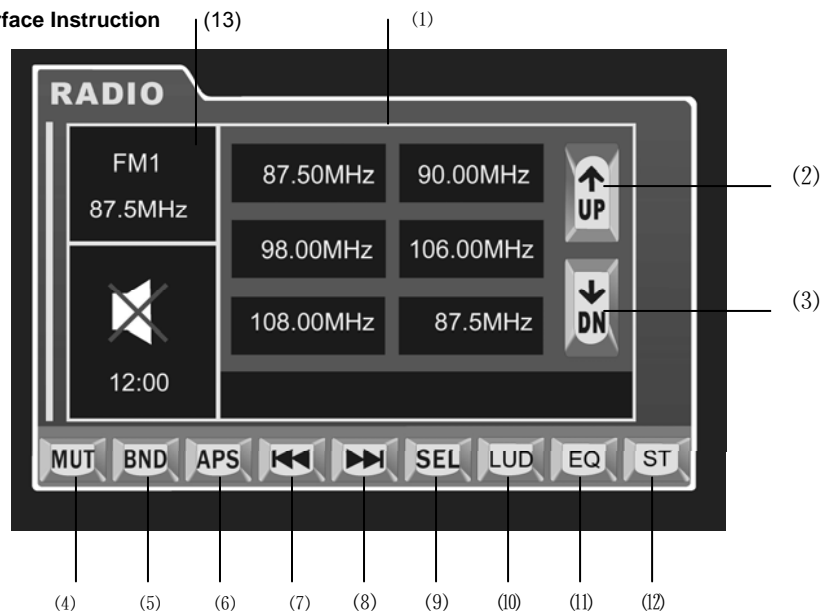
(14). IR Sensor .

4 . Main Menu Interface Instruction

1) Radio mode touch button

2) DVD touch button (when disc inside then the button can be effect)

3) .USB/SD touch button (when USB/SD card insert then the button can be effect)

4) GPS touch button (when GPS connected then the button can be normal used)

5) TV receiver touch button

6) Power on/off touch button, touch once will power off.

7) User general setup touch button, please do not setup inner parameter so that its will affect the using effect.

8) AUX Output touch button.

9) User normal setup touch button, which mainly used for setting image and sound effect.

10) Screen slide up touch button.

11) Bluetooth function touch button, when Bluetooth function available for the unit then the button can be normal used.

12) Screen slide down touch button.

13) Eject touch button, insert or eject disc when DVD playing.

14) IPOD mode touch button, .the function can work when ipod connect with the uint , when input ipod it will into ipod menu

5. Radio Operation Instruction

1. **Interface Instruction**

1) Frequency display area
2) Up screen button
3) Down screen button
4) Mute button
5) Band button
6) Auto/manual scan button, touch once the station will be manual scanned and stored, touch 1.5 seconds the stations will be auto scanned and stored.
7) Rearward scan button, touch once to rearward scan, touch 1.5 seconds to auto scan and its will be stopped when stations scanned.
8) Forward scan button, touch once to forward scan, touch 1.5 seconds to auto scan and its will be stopped when stations scanned.
9) Select button, enter to user normal setup system to set sound and image effect.
10) Treble/bass control button, you can select rock/pop/classic etc sound effect
11) Sound effect control button
12) Stereo control button
13) Current receive frequency display area

2. Manual adjustment station

Press the forward or rearward scan button on the touch screen, you can select the station frequency step by step up or down, long press over 1.5 seconds to auto scan status and it will be stopped until the effective station searched and stored.

3. Auto adjustment station

Press A/PS button for 1.5 seconds on the touch screen, the unit will enter to auto scan status, and will store the effective stations to the relevant band FM1/FM2/FM3 (1-6). And the stored stations will be displayed on the TFT panel preset frequency area. Then scan finished, the unit will start to play the first station on FM1.

4. Select preset station

Press the station stored before on the touch screen, and selected station will be displayed on the preset frequency area, the current display area will display the playing station.

5. Turn on/off stereo function

If the received signal is weak, you can press ST button on touch screen to turn off stereo function and change to single receiving. Then the stereo noise will be restrained and make it more clearly.

When receive more stronger signal, then you can turn on ST, then now the "ST ON" will be showed on the screen, and you can receive stereo station program.

*on AM mode, this function is not effective.

6. Turn on/off stereo function

If the received signal is weak, you can press ST button on touch screen to turn off stereo function and change to single receiving. Then the stereo noise will be restrained and make it more clearly.

When receive more stronger signal, then you can turn on ST, then now the "ST ON" will be showed on the screen, and you can receive stereo station program.
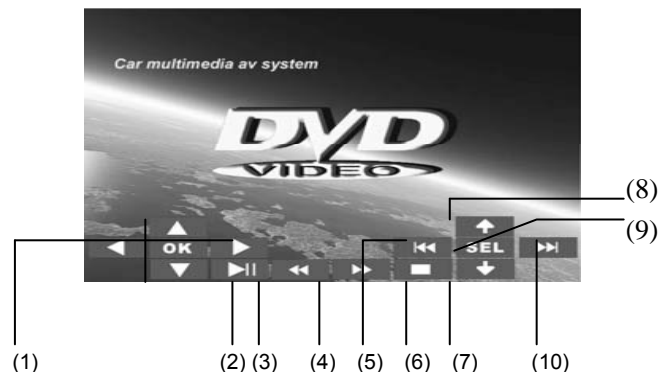
*on AM mode, this function not effective.

6. DVD Player Operation Instruction

1. Insert/Eject disc

You can insert/eject disc whatever mode, when you want to insert disc just press the eject disc button on touch screen, and the panel will auto slide down, insert the disc, the unit will auto slide into the disc, at the same time DVD mode will be displayed on the screen.

If you want to eject disc from the unit, just press eject function on touch screen, the panel will be auto slide down and the disc in the enter mount, if you don't take off the disc within 5-8 seconds then the disc will be auto slide into again.

2. DVD Interface Instruction:

(1) Up/down cursor selection button, when playing MP3 cursor position is left/right moving, after selecting and press OK button for confirmation.

(2) Play/pause button

(3)Rearward button, touch once its will quick rearward by 2/4/8/16/20 speed, press play/pause button to cancel quick rearward.

(4)Forward button, touch once its will quick forward by 2/4/8/16/20 speed, press play/pause button to cancel quick forward.

(5) . The previous chapter/track, press this button to play previous chapter/track

(6) Stop button, when need stope press this button and will stop playing the disc When you need play again please press this MUTE button on the remote control or you can insert disc after the disc slide out .

(7) Slide down panel, press once to slide down panel

(8) Slide up panel, press once to slide up panel

(9) Audio/video adjustment button, press this button to enter audio/video adjustment menu

(10)The next chapter/track, press this button to play next chapter/track

3. Select chapter what you need

（1）When playing disc, you can press up/down chapter on the touch screen or panel for selection, and you can also use remote control to select chapters.

Note: according to multi chapters DVD disc, its will not be effective by using remote control figure buttons for selection.

（2）Press GOTO button on remote control then below menu will be displayed.

Then press left/right button to move cursor, you can select title/chapter/play time, and then press figures to enter your target position, then press confirm button to play the relevant chapter.

4. Forward/rearward

Press forward/rearward button on touch screen, press once its will forward/rearward by x2/x4/x8/x20 speed, long press forward/rearward button on remote control can also operate the above function.
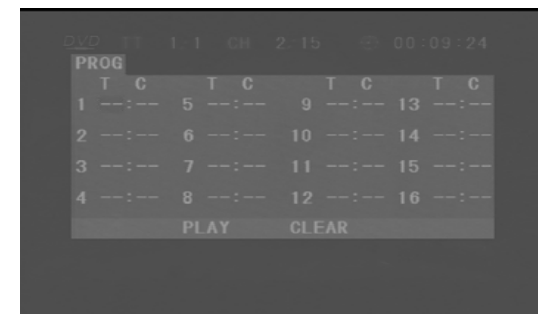
5. Repeat playing

When disc playing, press AMS button on the remote control, the original chapter will be repeat played, press again all of chapters will be repeat played. Then press again to cancel repeat playing.
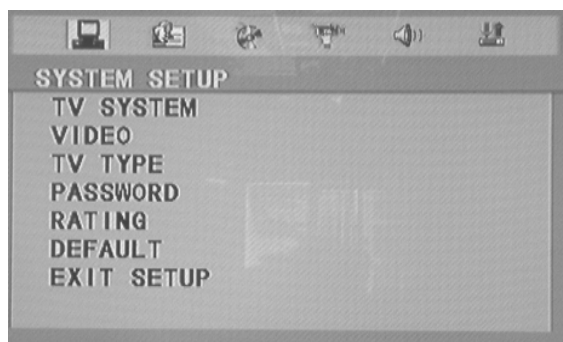
6. Random playing

When disc playing, press LOC (RDM) button on the remote control, the unit will be on random playing status, press again to cancel random playing.

7. Program playing

When disc playing, press ST (PROG) button on remote control, the panel will display below menu.

. hen you can input whatever chapter you like by the relevant number, the direction key can be adjusted up/down/left/right. When you programmed your favorite songs, press PLAY button to play songs one by one.

8. DVD setup

On DVD mode, you can special setup DVD, the setting method as following.

Press MENU button to enter user setting main menu, then select DVD setup by up/down button and do details setting.

Note: On DVD menu, menu up/down button is for up or down moving option, left/right button is for left or right moving option, confirm button is for confirmation effective. Press MENU button to exit DVD setup at any time.

1).System Setup

Press "Set up" key to enter the system setup menu:

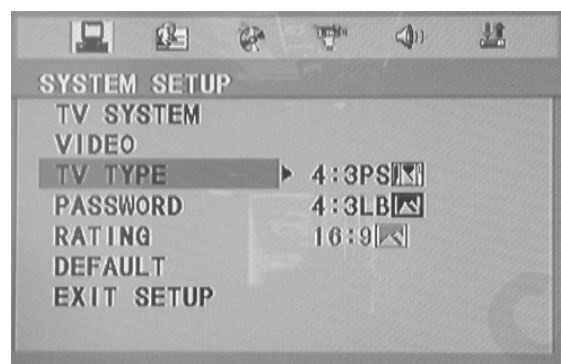To setup the TV system, Video output, Display mode, Pin, Level, Default as below menu:

You can setup the Display, Sound, Language, System etc. Operations as below:
⑴ Use LEFT/RIGHT key to select function in Menu Function List, the Item list appears.
⑵ Use UP/DOWN key to select item, press ENTER key to enter the value list of the item.
Then Press UP/DOWN key to select the wanted value and press ENTER back to item list.
⑶ After setup, select Exit Setup Menu among items, or press PLAY key to exit the system setup
menu.
　System setup menu as below::

2). System function setup menu and original setup.

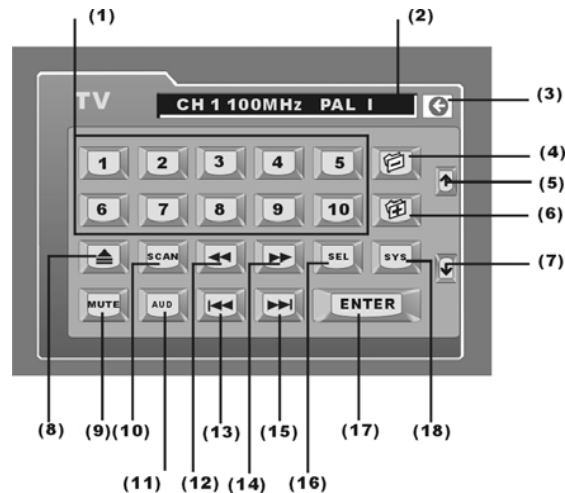The system function original setup as below:

Menu	Item	Default
System Setup	TV system	**NTSC**/PAL/Auto
	Video Output	INTERLACE-YUV/TV-RGB/P-SCAN YPBPR/**S-VIDEO**
	Display mode	4:3PS/4:3LB/**16:9**
	PIN	Default PIN is 0000
	Level	KID SAFE/G/PG/PG13/PG-R/R/NC-17/**ADULT**
	Default	Reversion
	Exit setup menu	Enter this item then press ENTER key to exit setup menu.
Language Setup	Display	**English**/ German/Spanish/French/Portuguese
	Audio	**English**/ Japanese/German/Spanish/French/Portuguese/Latin
	Subtitle	**English**/ Japanese/German/Spanish/French/Portuguese/Off
	Menu	**English**/Japanese/German/Spanish/French/Portuguese/Latin
	DIVX LANG	WINCEN EU/WINWEST EU/ISOWEST EU/ISOCEN EU/CYRILLIC/TURKISH
	Exit setup menu	Enter this item then press ENTER key to exit setup menu.
Audio Setup	Data output	SPDIF/OFF　SPDIF/Source Code　　SPDIF/PCM
	Tone	#/+4/+2/0/-2/-4/b
	Exit setup menu	Enter this item then press ENTER key to exit setup menu.
Video Setup	Brightness	0 / 2/ 4 / **6**/ 8/ 10 /12
	Contrast	0 / 2/ 4 / **6**/ 8/ 10 /12
	TINT	+6/+4/+2/**0**/-2/-4/-6
	Color	**0** / 2/ 4 / 6/ 8/ 10 /12
	Sharp	**0** / 2/ 4 / 6/ 8
	Exit setup menu	Enter this item then press ENTER key to exit setup menu.
Speaker Mode	Mix mode	LT/RT　STEREO　Dummy STEREO
	Exit setup menu	Enter this item then press ENTER key to exit setup menu.
Dolby Data Setup	Output Mode	**LINE OUT** / RF REMOD
	Dynamic Range	FULL　6/8　4/8　2/8　**OFF**
	Left +Right	Stereo/MONO L/MONO R/ **MIX MONO**
	Exit setup menu	Enter this item then press ENTER key to exit setup menu.

7.TV Operation Instruction

1．On TV mode, TFT LCD display instruction

(1). Preset frequency figures button

Each figure button store the relevant frequency channel, touch relevant figure button to select your favorite TV channel, total 100 channels available.

(1). Preset frequency figures button

Each figure button store the relevant frequency channel, touch relevant figure button to select your favorite TV channel, total 100 channels available.

(2). Current TV channel display area

(3). Return button, return to main interface

(4). Previous folder, touch once to return to previous folder

(5). Panel slide up button

(6).Next folder, touch once to enter to next folder

(7).Panel slide down button

(8). Eject button

(9).Mute button

(10) Auto scan and store button, press once to auto scan all relevant TV channels and store to figure buttons

(11) Audio system switch button

(12/14).Channel fine tune button, you can turn up the current channel up or down fine tune

(13/15). Stored channel turn up button , press this button to increase CH1 to CH100

(16).Audio/video effect adjustment menu

(17). Confirm button, use for current option confirmation and enter to TV channel mode

(18). Picture system switch button

2. Auto scan and store channel

(1). Press TV function button on main interface to enter to TV status

(2) Press SCAN button on main interface, TV is starting to auto scan and store channel to figure buttons, after scanning and the unit start to play CH1 program

(3) Now you can search your favorite channel using up/down button

3. Manual scan and store channel

(1).On TV mode, press up/down channel tune button to search what channel you want

(2). Searched effective channel, long press figure button for 1.5 seconds then you can store the channel what you searched to the relevant figure buttons

4. TV picture/ system switching

(1) Picture system change

If the current picture system is different from unit setting system, you can press SYS button on touch screen or BAND (P/N/S) button on remote control to switch to relevant picture system

(2) Audio system change

If the current audio system is different from unit setting system, you can press AUO button on touch screen or AUDIO button on remote control to switch to relevant picture system

8. AUX Operation Instruction

This function is for external Video and Audio input, you must make the right wire connections (Video and Audio line) with the external device when use this function.

9.USB and SD card Operation Instruction

1. USB Operation Instruction

On any mode, when you insert USB device to input/output, the unit will auto play all multimedia programs in USB device, such as MP3/MP4 all format files..

MINI USB Connecter

2. SD card Operation Instruction

GPScardjack(backside upturn)   SD/MMC cardjack(backside upturn)

1).take the Anti-theft   panal down

2).   Insert SD card to SD jack (Face Front on Top), the system will auto switch to SD card mode
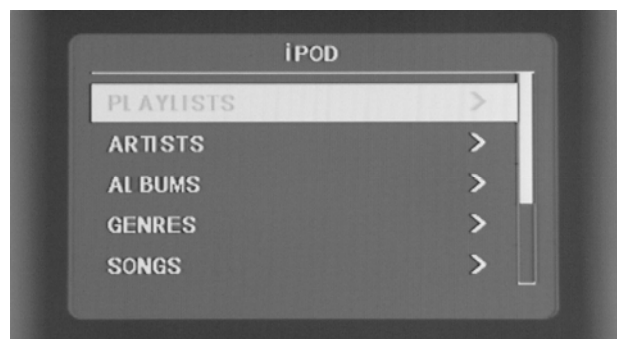
3). . Now you can adjust panel to a good angle and enjoy all pictures and format files in SD card

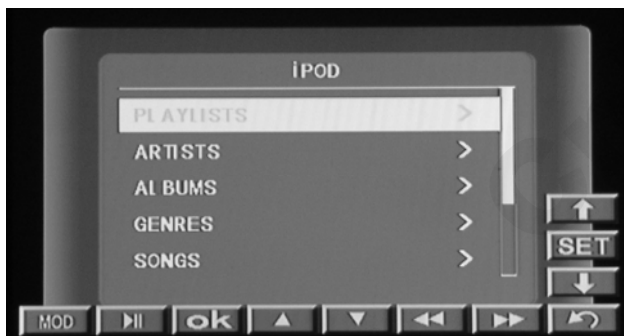# 10.Ipod Operation instruction

1. Ipod Connect

Ipod Connecter

Please use ipod wire connect dvd and ipod player. The system will auto change to IPOD function.
And display below menu

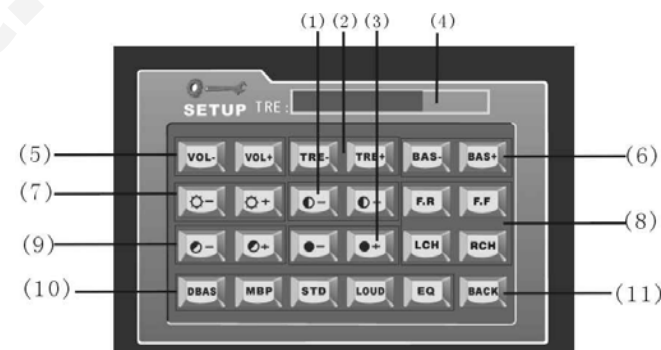

Please touch display,will display below menu:

You can use these key control.when you touch the MOD key,will display below menu:

If have video input,The TFT panel will display IPOD video.

11.User Normal Setup Menu

User can random set pictures and sounds

1. **Function Key Button Instruction:**
   (1). Contrast adjust button
   (2). Treble adjust button
   (3). Acutance adjust button
   (4). Present setup display
   (5). Vol-/Vol+ adjust button Contrast adjust button
   (6). . Bass adjust button
   (7). . Luminance adjust button
   (8). Front left/front right/rear left/rear right sound adjust button
   (9). Color adjust button
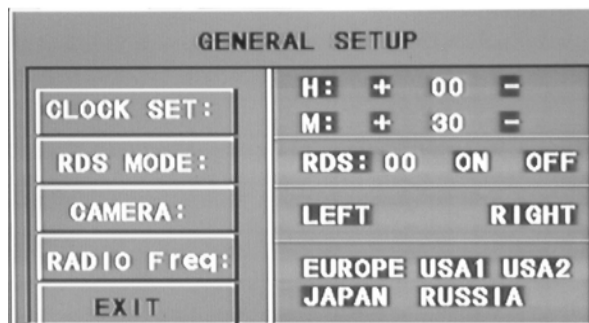   (10). Preset AV effect adjust button
   (11). . .Return button

2. **Adjust Method**

   If you want to adjust relevant item, just touch relevant button to adjust relevant parameter, after
finished then press return to exit.

12.User General Setup Menu

Important Instruction: When you adjusted all parameters on general setup, it will affect the normal working mode of the unit. So we suggest user should be carefully to use inside functions. If it doesn't work normally after adjusting, then you can press reset button on the front panel to make the unit return to the normal setup status!

1. General Setup Menu

(1) Clock adjust

Select clock menu and then touch "+" or "-" to adjust clock. Then finished to press EXIT

(2) RDS setup

Select RDS mode: then you select ON button and now you can receive RDS radio

(3) Rear camera switch setup

Select CAMERA: touch LEFT or RIGHT button to switch to relevant rear camera

(4) Radio frequency setup

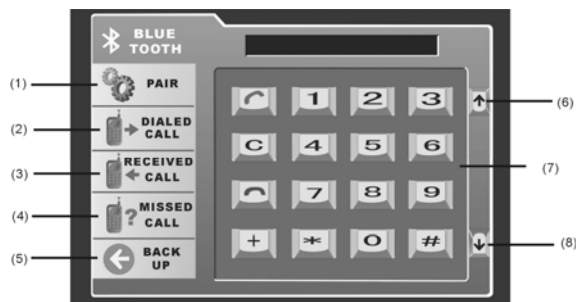Select RADE FREQ to setup relevant frequency according to actual region

Optional Function

Below functions normally working only when this unit with these functions.

13. Bluetooth Operation Instruction

(This function should be match up one GSM cell phone with Bluetooth function)

1. Bluetooth Interface Instruction:

(1)   Bluetooth Pair Communication Button.

(2)   Dialed Call Browse

(3)   Received Call Browse

(4)   Missed Call Browse

(5)   Back Up Button

(6)   Panel Angle Up Adjust button

(7)   Number Dialing Area

(8)   Panel Angle Down Adjust button

. Operation Steps

(1) Bluetooth Pair Communication

Get ready one GSM cell phone with Bluetooth function, according to mobile instruction to operate, find out the Bluetooth function enter button, and select Bluetooth adapter, then touch the "Pair" button on touch screen of the unit. Now Bluetooth is starting to pair and search each one together.

During the pairing and connecting, the cell phone will prompt to request a password, you have to enter 0000.

(according to different type of Bluetooth cell phone, maybe you need to try more times to pair the units, then could be successful)

When "LINK ON" displayed on the screen, then it can work normally.

(2)Make Phone Call

When successfully connected, you can dial telephone number by touching the number buttons on the screen, then touch the green color button to make call out. Now you can talk with your friend, you can hear your friend's sound from the car speader. When you finished the conversation, just touch the red color button to hang up the call..

(3)Receive Phone Call

When there is a call coming, telephone number will be displayed on the telephone area of the screen. Now you can touch the green color button to receive call , when finished the conversation, just touch the red color button to hang up.

(4)Dialed Call Browse

Touch the "Dialed call" button, you can browse all the phone calls you made, touch again will display all the phone calls you made, total 20 pieces phone number call will be browse. And in 3 seconds, you can touch the "Call out" button in color green to make a phone call of this number that you are browsing now.

(5)   Missed Call Browse

Touch the "Missed Call" button, you can browse all the phone calls you missed, touch again will display all the phone calls you missed, total 20 pieces phone number call will be browse. And in 3 seconds, you can touch the "Call out" button in color green to make a phone call of this number that you are browsing now.

3. Other Instruction.

When the unit is on the other working mode but not Bluetooth mode, at the same time if there is a phone call coming in, then the mode interface will auto switch to the Bluetooth mode interface, after call finished, then it will auto return back to the one that is working before Bluetooth mode.

14.GPS Operation Instruction

(Instruction: This function only can work normally when the unit is the one with GPS built-in function

and at the same time the SD card with map is install correct in the SD card slot of the unit)
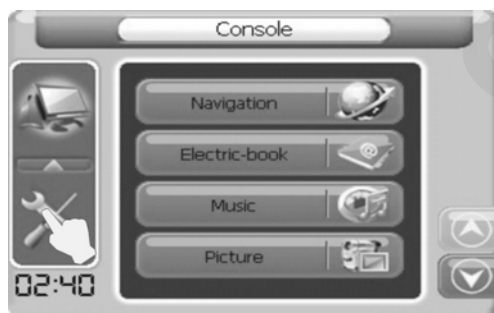

GPS card slot(backside upturn)

1. The installation of the SD card with Map.
    Insert the SD card with Map into the SD card slot "GPS Navigation Map". Please kindly pay
        attention that the metal side of the SD card must be on the top side(Follow up the
        prompt)

2. Navigation path setup.

Touch the "GPS" icon to enter the GPS operation menu "Console" as below:

Touch the icon as above picture shows, will appear below set up menu:

Touch the "Navigate setup" icon to enter below menu:

You will see the "Navigation software path" and a folder on the right, touch this folder to open the

SD card with the map. Touch the "up" and "down" icon to find out the navigation software, the

navigation software must be a executive file that with ".exe" as suffixal name. After find out this

file, double click it, then touch "OK" icon as below picture shows:

After you touch the "OK" icon , the navigation software path is correct and OK to use. Return back

to "Console" menu, touch the "Navigation" icon as below picture:

Now, you will enter into the map software operation interface. Different map software, different

map interface, please follow up the user manual of the map software to operate.
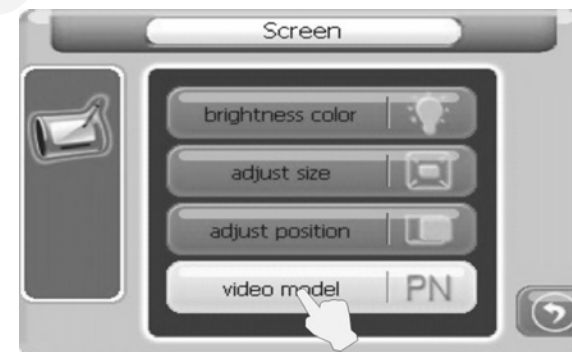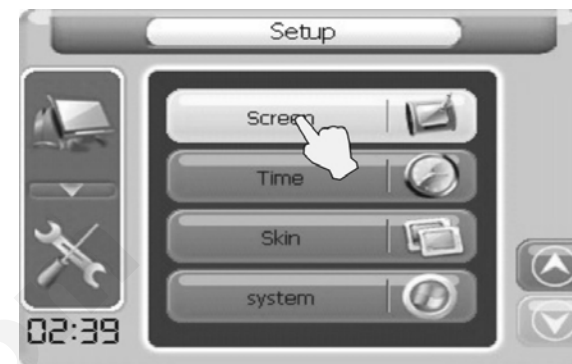
3. Language Setup

Under GPS mode, there are 18 kinds of languages for your choice. System default is English.

Setup menu as below picture:

4. Display setup

Under this screen set up, you can adjust the brightness, contrast, display system, there are NTSC and PAL for GPS, you could adjust the display system depends on the local system to make the correct setup..

5. Touch the "GPS" function button on the main menu or press the "GPS" on the remote control, to start navigation function.

(Different map software, different navigation interface.)

Important Instruction: In order to meet different requests from different users, there are two navigation mode optional--GPS1 & GPS2

1) There are a "GPS" button on the remote control to choose and switch the GPS1/GPS2 mode funtion. When the unit are under the GPS1 mode, the GPS is a fixed working mode, GPS display and voice prompt will only be see and hear on the GPS mode.

2) When the unit are under the GPS2 mode, it can playing DVD music and Navigation at the same time. When there are a navigation voice prompt, then the voice will auto switch to the GPS navigation mode. If you want to see the GPS navigation map display, just press the "SEL" button on the front panel(or remote) for 3 seconds, if press again this "SEL" button 3 seconds again, it will switch back to the DVD display.
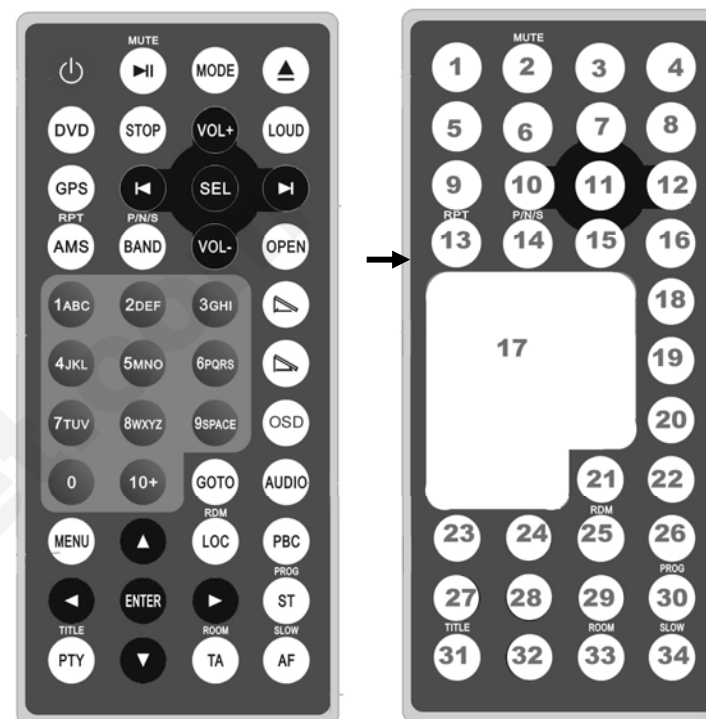
Example for GPS2 mode function setup:

First, make the correct navigate software path setup to start Navigation, then press the "BAND" button on the remote control(or front panel) to switch to the GPS2 mode. Insert the DVD disc to play DVD, now the display is the DVD interface display, when there are a navigation voice prompt, the voice will switch to the GPS navigation mode, after the prompt, it will switch back to the DVD mode. If you want to see the GPS navigation map display, just press the "SEL" button on the front panel(or remote) for 3 seconds, if press again this "SEL" button 3 seconds again, it will switch back to the DVD display.

6.For the GPS map function instruction, please refer to the map user manual.

15. Remote Control Function Instruction

Note: Please take off the battery plate before using the remote control.
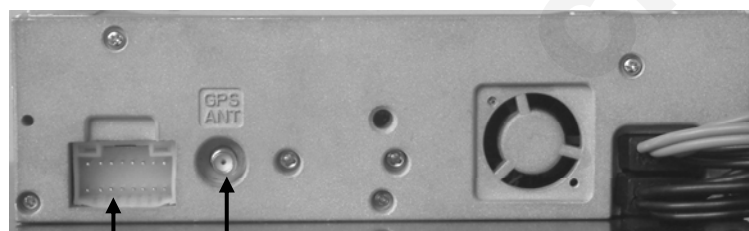
1. Remote Control Buttons.

2. Function Instruction

(1) Power on/off button, press once to turn on/off unit

(2) Mute/pause button, on DVD mode this button is for pause function, but on other mode is for mute function

(3) Mode switch button, press once to switch to RADIO/DVD/AUX/TV/GPS

(4) Eject button, when disc inside then press this button to eject disc. If not press this button to insert disc

(5) DVD button, press this button direct to enter DVD mode

(6) DVD stop button

(7) Volume +

(8) Loud: Treble/bass control button

(9) GPS navigation button

(10) Rear scan button, on RADIO/TV mode to rear scan frequency, long press 1.5 seconds to auto scan. On DVD mode to turn previous chapter, long press to quick rearward

(11) Select button, to be adjust sound mode and switch to VOL/TRE/BAS/BAL/FAD

(12) Forward scan button, on RADIO/TV mode to forward scan frequency, long press 1.5 seconds

to auto scan. On DVD mode to turn next chapter, long press to quick forward

(13) Auto/manual scan button, on RADIO/TV mode to auto scan. On DVD mode to be repeat function

(14) Band switching button, on RADIO mode to switch to FM1/FM2/FM3/AM1/AM2

(15) Volume −

(16) Open/close panel, press once to slide up panel to the top side, or slide down to be bottom side

(17) Figure buttons, on RADIO/TV mode to select station/channel, on DVD mode to select chapter

(18) Panel slide up button

(19) Panel slide down button

(20) OSD button, on DVD mode to display current chapter playing

(21) Select chapter button, on DVD mode to select chapter to play on disc

(22) Audio switch button, on TV mode to switch audio, on DVD to switch left/right sound

(23) DVD setup button to be general setup

(24) Menu up select button

(25) LOC button, on radio mode to be long/short range control, on DVD mode to be random playing

(26) PBC button, on VCD mode to be view playing, on DVD mode to be menu playing

(27) Menu left select button

(28) Confirm button

(29) Menu right select button

(30) ST button, on radio mode to be stereo switch, on DVD mode to be memory playing

(31) PTY button, on RDS mode to be PTY function, on DVD mode to be TITLE playing

(32) Menu Down select button

(33) TA button, on RDS mode to be TA message on/off function, on DVD mode to be picture zoom/reduce function

(34) AF button, on RDS mode to be AF message on/off function, on DVD mode to be picture slow function
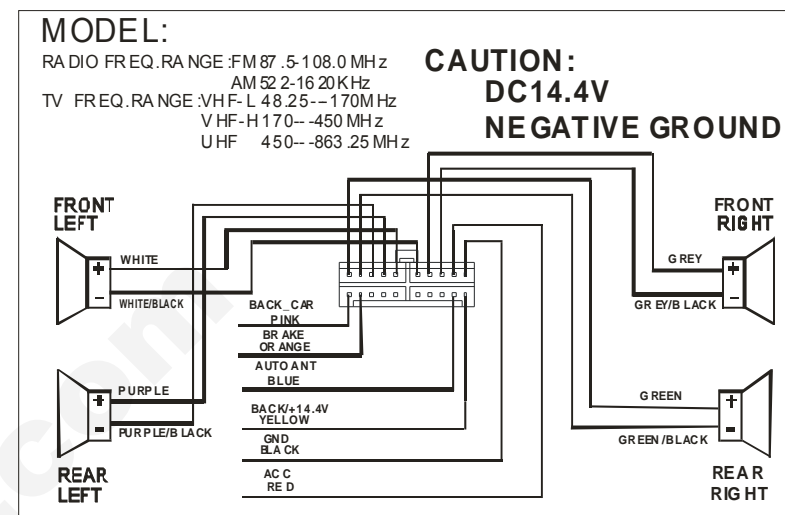
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16. Wiring Diagram

Power Output Wire Connector Jack

GPS Navigation Antenna

radio/TV Antenna Signal wires

1. Speakers Output Wires Diagram

MODEL:

RADIO FREQ.RANGE :FM 87.5-108.0 MHz
AM 522-1620KHz
TV FREQ.RANGE :VHF-L 48.25--170MHz
VHF-H 170--450MHz
UHF 450--863.25 MHz

CAUTION:
DC14.4V
NEGATIVE GROUND

FRONT LEFT — WHITE, WHITE/BLACK
FRONT RIGHT — GREY, GREY/BLACK
REAR LEFT — PURPLE, PURPLE/BLACK
REAR RIGHT — GREEN, GREEN/BLACK

BACK_CAR PINK
BRAKE ORANGE
AUTO ANT BLUE
BACK/+14.4V YELLOW
GND BLACK
ACC RED

Important Instruction:

a. a. Brake high level have valid, please connect brake wire to car brake test wire, when the car brake , the TFT panel will turn off, so that the driver can drive safety. If you don't need this function, just connect the brake wire together with the black GND wire, then the unit can work normally.

b. Back car high level valid, the TFT panel will display back video sight when backing the car, please connect reverse wire form to the back car test wire. So that the driver can see the obstruction.

2. Audio and video output wire diagram.

All the audio and video output wires please refer to the sticker on them for connection.

17 . The Technical Parameters

DVD Technical Parameters

Laser wave length	DVD 650nm; CD 780nm
Pick up	SHARP 600
Compatible disc	MPEG-4(DIVX),DVD,DVD+R,DVD-R,VCD,CD,MP3,WMA,JPEG,CD,CD-R,CD-R/W,
Anti-Shockproof	DVD 3 seconds; VCD/CD 10 seconds; MP3 90 seconds
Audio output level	audio:1.2V±0.2
Frequency response	20Hz-20KHz
Audio signal-noise ratio(S/N)	≥80dB
Dynamic scope	≥80dB
Video ouput level	1.0±0.2Vp-p
Brightness signal-noise ratio(S/N)	≥56dB
Color signal-noise ratio(S/N)	≥60dB
Display system	AUTO/NTSC
Menu language	Chinese/English/Spanish/French/German/Italian

TV Technical Parameters

Frequency Range	48.25MHz～847.25MHz
TV display system	PAL/NTSC/SECAM/SECAM_L
Audio system	DK/I/BG

Radio Technical Parameters

FM frequency range	87.5MHz～108.0MHz
AM frequency range	522KHz～1620KHz
FM sensitivity	≤25dB
Am sensitivity	≤45dB
Signal-noise ratio (S/N)	≥50dB
Distortion	≤0.3%

TV Technical Parameters

Frequency Range	48.25MHz～847.25MHz
TV display system	PAL/NTSC/SECAM/SECAM_L
Audio system	DK/I/BG

GPS Specifications

System parameters	
Main frequency	400MHZ
Operation system	WINCE5.0 CORE
Support audio type	MP3/PCM/WMA
Support video type	ASF/AVI/WMV/DIVX
Audio output	Stereo CD quality
Chip set	SiRF Star III
Frequency	1.575GHZ
Channel number	20 channels
Tracking sense degree	-159dBm
Position accuracy	10m, 2D RMS 5m, 2D RMS, WAAS enable
Velocity	0.1m/s
Data renewal rate	1HZ
Re-catchingtime	Average 0.1s
Hot start time	Average 1s
Warm start time	Average 38s
Cold start time	Average 42s
The biggest fixed height	18,000m
The biggest velocity	515m/s

Technical Parameters of TFT-LCD Screen

LCD Screen Size	7 inch
LCD Screen Ratio	16:9
Spot pitch	0.107(h)×0.372(V)
Resolution	480(RGB)×234
Contrast	150:1
Brightness	300cd/㎡
Response speed	R:30/F:50
Viewing angle	U:15/D:35 L/R:55
Original luminous lamp	LED
Lamp longevity	Over 10 thousand hours

Other Technical Parameters

Power supply	DC 13.8V
Outer dimension	176mm(W)×55mm(H)×183mm(D)
Net Weight	About 3.1KG
Standby Current	≤10MA

18.Trouble Shooting

As the machine is controlled by micro-computer, if any functional problem happened, please press the "RST" (reset) button on at the right hand side of the front panel to reset the unit. Wait some seconds and turn on the unit again, if all the functions work normally, then can operate the unit again. But if the unit doesn't work normally yet, please try below solutions to check again the unit.   .

Symptom	Solution
No power	1. Make sure the connection is correct. 2. Check if the key of the car is inserted and turn on. 3. Check if the "Power" button is plug up by any hard things. 4. Check if the fuse was blown.
Canot play disc	1. Check if the screws on the top of the unit are removed. 2. Make sure the disc is inserted in correct side. 3. Check if the disc is terrible dirty and scratched.
No image	1. Check if the brake wire and reserve wire are in correct connection. 2. If the disc is DVD/VCD/MP4 etc image disc? 3. If the setup for brightness and contrast are correct? 4. If under TV mode, please check if the TV image system is in correct system (PAL/NTSC/SECAM)?
No sound	1. If the wires for speakers are connected correct ? 2. If the wires for speakers and power are short circuit ? or the outer shell are short circuit ? 3. If the volume are turn down to the lowest ? 4. If it is in the MUTE mode ? 5. If under the TV mode, the set up of the audio system are correct ?
No response for touch / touch departure	1. If there are some hard things withstand the panel? 2. If the unit are under Backing or Braking mode? 3. Press the "PLAY" button when the unit is power off. Adjust and re-set up the touch point area to see if it will work normally?
No response from remote control	1. Check if the plastic are removed out. 2. Check if the batteries were run out. 3. Please point to the IR area to use the remote control.
No TV signal or weak TV signal	1. Check if the TV antenna is installed in the correct place. 2. Maybe the signal in local is not strong enough. 3. If the TV system is set up correct?
GPS navigation cannot work normally	1. Check if the navigation software path is correct setup. 2. If the map software is compatible with WINCE5.0? 3. If the GPS antenna is correct installed.

Notes:

1. Due to continuing improvements, the features and design are subject to change without any notice.

2. To make sure the machine work normally, it is recommended to use the attached accessories and optional parts..

NOTE:

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