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User Manual

Double Din Car Navigation & Entertainment System

English

Before operating the unit, please read this manual carefully and keep it properly for future reference.

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[STEERING WHEEL CONTROL]

* Voltage value of the buttons on steering wheel:

(buttons)	(Volage range)	(Typical value)
VOL-	0. 39V0. 72V	0. 55V
VOL+	1. 19V1. 62V	1.40V
	2. 0V2. 42V	2. 21V
MODE	2. 8V3. 18V	2. 99V
POWER	3. 57V3. 94V	3. 75V
MUTE	4. 39V4. 78V	4. 58V

* Typical circuit graphic





ATTENTION: When installation, take off the two screws for anti-shock of deck at first. Edited by Foxit PDF Editor Copyright (c) by Foxit Software Company, 2004 For Evaluation Only.



[CIRCUIT CONNECTION]



		0	<u> </u>		
WIRE	COLOR	FUNCTION	WIRE	COLOR	FUNCTION
1	Brown	Manual brake close screen testing line	1	Purple	Right Rear speaker 🕀
2	Pink	Back draft radar testing line	2	Purple/black	Right Rear speaker $ \ominus $
3			3	Grey	Right Front speaker 🕀
4	Red	ACC power	4	Grey/black	Right Front speaker $igodot$
5	Blue	AMP control	5	White	Left Front speaker 🕀
6	Orange	Illumination	6	White/black	Left Front speaker $ igodot$
7	Yellow	Battery 12V	7	Green	Left Rear speaker 🛛 🕀
8	Black	Ground	8	Green/black	Left Rear speaker 🛛 👄

[FEATURE INSTRUCTION]

- The AV unit provides DVD, RADIO , GPS(optional), external IPOD, AV(output/input), BLUETOOTH, HD TFT , BACKUP VIEW and the standard POWER OUTPUT(50wx4) of function integrated.
- Its internal DVD player adopts the high quality DVD deck, which can play DVD、DVD-9、VCD、DVCD、CD、MP3、CD-R/RW formats etc.
- The radio can memorize the AM 12 stations and FM 18 stations.
- It has internal Bluetooth function, which can answer and dial the phone conveniently to make your driving safe. At another hand, if mobile phone has A2DP function, it can play music when Bluetooth is on.
- It supports external IPOD playing.
- It adopts 16: 9 HDTFT that is drove with the advanced microprocessor, and possesses floweriness color, lower power dissipation and reliable performance.
- It has an automatic detection backup function to make your backup safe.
- It has two video output lines, four audio output lines; two video input lines, one audio input line, so it can connect with external device conveniently;
- It' operation system is intelligent and humanistic. It has graphic OSD, not only be operated on panel function buttons but also on TFT touching icons, even using TX to control.
- It supports external steering-wheel control without damaging the original car's function to make driver more convenient.
- It has manual brake close screen function. When the manual brake close screen line connect to ground, the unit may turn on TFT, otherwise to turn off TFT.
- In order to install and use correctly, please read the manual carefully.



[USAGE CAUTIONS]

1. The unit only support the format of MP3/WMA/JPEG/MPEG which recorded in DVD-R, CD-R, CD-RW, SD and USB .

2. When you want to format the media device to delete the file, you should use common format, not use fast format, avoiding damage the devices such as USB and SD etc.

3. The setting for MP3/WMA/JPEG/MPEG encoder and CD/DVD recorder.

• Using MP3/WMA encoder to compress the audio data into MP3/WMA format , please set the parameters as following:

MP3/WMA:

The Bit Rate of transmitting is: MP3:32-320KBPS WMA:48-192KBPS The frequency of sampling is: MP3:32,441.48KHZ WMA:32,441.48KHZ

• Using JPEG/MPEG encoder to compress the AV data into JPEG/MPEG format, please set the parameters as following:

JPEG/MPEG :

JPEG display zone dimension:

Baseline format: 1024(W) X768(H) pixel (MAX) Continuous format: 1024(W) X768(H) pixel (MAX)

MPEG

Video format: MPEG1, MPEG2 Display zone dimension: MPEG1: 320X240,352X240(NISC),352X2889(PAL) MPEG2: 40X480,740X480(NTSC),704X576(PAL)

Audio format: MPEG1, MPEG2 The Bit Rate of transmitting is:2-384KBPSCBR The frequency of sampling is:32441.48 KHZ WMA:32441.48 KHZ

4. When you use disc recorder to record the multimedia file of MP3/WMA/JPGE/MPEG, if the quantity of the multimedia file is too large, you can't record in one disc fully, please add a disc.

5.If you use part of function of Windows Media player 9.0 edition above, may not be able to play the detailed information of compatible format normally at some time.

[MAIN FUNCTION]

Main Function :

work voltage : DC 12V

Work voltage Range : 10.8V - 16V

MAX Work Current : 10A

Build-in Angle ; Front & Back angle ${\leqslant}30^\circ$

DVD/CD PLAYER

Supported File Formats: DVD-R, DVD-RW, DVD+R, DVD+RW, CD-R, CD-RW, CD-DA, MP3, WMA, HDCD, SVCD, VCD, MPGE, JPEG

AUDIO S/N-----85dBA ACT BOUND-----95Db Frequency Range -----20Hz -20kHz Digital Audio Sample-----24bit

ESP:

DVD 2-3s -----CD-DA 10s -----WP3 100s -----WMA 200s

MSP: -----10-200Hz, X/Y/Z : 1.0G Power Output : -----50W×4 Impedance:4Ω S/N Ratio : ----70dBu Frequency Range : ----20Hz -20kHz

Video

System : -----NTSC, PAL (Auto identify) Output: -----1Vp-p(75Ω) Input : -----1Vp-p(75Ω)

FM

Frequency : ----- 87.5 MHz - 108.0MHz Sensitivity (-30dB) :-----15dB S/N Ratio : (-50dB) :----60dB Frequency Range : -----30Hz -15kHz(3dB)

AM

Frequency Range : -----522kHz -1620kHz Sensitivity (SN=20dB):-----20dBu Image rejection:-----60dB Frequency:-----50Hz-2kHz

TROUBLE SHOOTING

Problems	cause	Solution
Appear stop page in playing progress	CD was pollued or damaged File or notes damaged	Clean or replale the CD Instead the CD or choice a new storage file
Display wrong play information	Information is more than the contents that can be display	Information is more than the contents that can be display
Wrong or no motion	Nonlice operation	Press the JECT for 5seconds to reset the read CD device
CD can not enter	There is no CD in the unit	Exit the CD in the unit then enter a new one
CD can not up to snuff	The grade is exceed the locked function set The exetent code is not compatible CD put on the contrary	Tune the set grades' clock function Use the CD compatible with the unit JKeep the side with label when enter the CD
SD card can read on computer, but can not read on the unit	Because of the compatible reason of SD brand, not all of the SD cards can read in this system	Replace another SD card
There are no repeat and search function when play VCD	The function of the PCB is in circulating	Close the PCB function
TV has only images but not has novoice	At present,our nation's TV system is PAL-D or PAL-K, it is PAL-I in Shenzhen and Zhuhai, their partner frequency are not alike. PAL-D is 6.5M PAL-I is 6M	Enter the system setting, tune the TV parter audio to a relevant value



- If the size of the picture exceed the limit, part of the picture will not display.
- •When you record the MPEG2 data using DVD media, you must set the Recording Format to one time using only.

6. The order of playing MP3/WMA/JPEG/MPEG

The unit seeks the multimedia files or folder in natural number. So it play in natural number from small to big. If your multimedia file is recorded, and its file name is not named as per Arabic numbers (eg: 1.XXX, 2.XXX), the unit will not seek and play in order, and it will enter the status of seeking and playing random automatically.

SAFETY ATTENTION

Before installation, please read all the instruction, and suggest you'd better let the AV professional install the unit.



The unit adopts 12V car power system which must connect to ground. Please don't install it on truck or bus with 24V directly, or will be damaged.







Without professional guidance, you mustn't exchange the power fuse or use some unsuitible fuse, otherwise, it will cause the unit damaged even fired.



Avoiding violate the traffic rule, the driver can't enjoy program and operate the unit when driving.



For safety and the normal using of the unit, please ask the professional to install and repair it, at the same time to avoid damaging unit and the accident at the same time. Needing detailed information to consult the local professional retailer of AV products.



Don't place the unit in the wet environment or water, avoiding electric shock as the result of short circuit, or other unnecessary damage and fired.

Cozy Hint:

In order not to avoid short circuit, please cut off car and the connection of ACC and B+ before installing.

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[PANEL FUNCTION DEFINITION]

1	Power Button	11 BAND Band Button
2	Eject Button	12 LOUD Loud Button
3 MENU	Menu Button	(13) As/Ps Automatically Search And Mamory Button
4 MODE	Mode Conversion	AUDIO Audio Adjustments Button
5 MUTE	Mute/Close Screen Button	15 SMART DIAL/ENT Smart Dial/enter
6	Up Choice	6 ST/MO Stereo/mono-channel Button
7	Down Choice	17 USB/SD USB/SD Card Operation
8 (SEL)	Select Button	18 IR Lens
9 VOL+/-	Volume + /- Button	19 MIC/ 🖇 Microphone Bluetooth
10 RST	Reset Button	

[RESET THE UNIT]

Must reset the unit before you use it at the first time or you Change the car battery.
Must reset the unit when he unit is confused.
Press RST button to reset the unit using a tip.

Remark: Pressing RST button will loss clock and memory.

I KUUBLE SHUUTING	100 LING	
Problems	cause	Solution
General	The unit power or auto battery fuse is blown. Power voltage is over the rating range, system Automatiion protect caused by nonlicet operation	Replace correctfuse Tune voltage Press the Resetkey to reset the system
No power	The unit power or auto battery fuse is blown. Power voltage is over the rating rang, system automatism protect Caused by nonlicet operation	Replace correct fuse, Tune voltage, Press the Reset key to reset the system
Unable to use the remote	Battery has done, Wrong battery set	Replace new battery, Reset battery
Novoice output or voice output small	Wrong line connect Too low voice Speaker fault Voice balance setting warp too large Speaker has a ground line connect part	check and correct line Increase the voice Replace speaker Tune the balance set to middle place Speaker line keep insulative
Low tone, distortion severity	Don't use bad disc Speaker and the unit not have the same power impedanceSpeaker turnoff	Use real disc Replace correct speaker Check speaker line
Automatic reset when the unit close	Wrong line correct between ACC&B+	Check and connect line correctly
No picture	Wrong connect thrum with brake line Not in brake state	Check brake line and connect correctly Stop car in safe state and keep in brake state
The picture not normal	Current DVD system set is correspondThe Video line from main unit is connected properly	Tune system Video setting Check and connect correctly
Radio		
FM signal faintness	Automatic antenna not shoot out completely Look is in open state	Connect automatic antenna correctly Close LOCK function



CAN NOT USE DISC



The disk will circumrotate at a high speed in the unit. If you find the disc break, disrepair, crinkle or with other damages, please don't run a risk to use in the unit, which may damage the unit.

The unit can only play natural disc. Don't play the anomalistic disc. The effect by playing the anomalistic disc, we don't bear any responsibility.

ABOUT CD

When input or takeout the disc, don't left fingerprint, dust or tom tag. Please hand the inside edge of the disc.



Dirty or disfiguring disc will cause jumping-sound when in playing. Also to pay attention not scrape the side with label, however, this side not much easy to damage as the REC side, but it also can lead it not to use.

If there are fingerprints or dust on the disc surface, clean the discs with soft dry cloth, follow the picture, wipe from the center out.



Gently clean as beeline from the center. Don't clean the disc surface along circle track. If possible, downright clean the disc `use cloth dipping with alcohol or cleaner which are sold in market for CD/DVD. Don't use alcohol, thinner, or other leaner, include the products designed or clean ethane disc.

[BASIC OPERATION]

1. POWER BUTTON

When the unit is connected to the power source, you can press any button to turn on it. At turn on status, you can press this button shortly to shift the main interface to GPS mode. At this state, audio playing is continuous, and the speaker outputs the playing sound, external AV maintain output. When GPS has voice hint, the output of speaker will shift to GPS voice, but the external video output won't shift. Press this button shortly again, the unit will shift to the current video. Press this button longer to turn off the unit.

Remark: Note: When GPS is off on the Parameter Interface, press any button can turn the DVD on after the electricity connected well, press shortly or long this button can turn the DVD off.

2. EJECT BUTTON

Press this button to eject disc automatically, the disc will insert automatically but not play if isn't taken away in 10seconds.

3. VOL+/VOL- BUTTON

In normal playing state, press (VOL+/VOL-) button to adjust current volume. Press SEL button or touch slightly left end of volume bar of TFT, press VOL+/VOL- again, it can adjust circularly VOL, BAS, TRE, BAL, FAD, BRI, CON, COL.

4.BAND BUTTON

In the radio mode, press this button to search band circlely as shown: FM1-FM2-FM3-AM1-AM2-FM1

In normal playing state, press this button to change mode.

5. MENU BUTTON

Playing DVD, press this button to display song list(number)and playing as per selected song number(need disc supporting)

6.MUTE BUTTON

Press it shortly to turn off the mute function, press it shortly again or press VOL+/VOL- button to turn on the mute function. Press it long to turn off the screen, press any button or touch anywhere turn on the screen.

7. MODE SHIFT BUTTON

Press this button shortly to shift system mode. Press this button long to enter into external GPS video interface, At this state, external audio output is continuous, and the speaker outputs the playing sound, only external GPS video shift to TFT interface. If operating any function on panel, the unit shift to current video interface. If having not any operations for 5 seconds, the unit will shift to GPS



interface automatically. Press mode long, the unit turn off GPS interface and return to current state.

8. RESET BUTTON

Press it to return to the default setting and memory information will be cancelled.

9. DISC WINDOW

This player reads the disc deck to use is the inspiration type, puts in gently the disc the disc eiect, the disc by the automatic, the system can read the disc automatically; In puts the disc before, please deck in the core does not have the disc piece, only then inserts the disc piece.

Notice:

*Asks you to use the standard original disc, and maintains the disc to be clean, forms the good use habit, safeguards this system the normal service life.

*This aircraft accepts the diameter is only the 12 CM disc, please do not have to put in 8CM as well as the shape irregular disc, if inserts forcefully can create the card disc and deck the core structure damage. *On the disc has the character disc on.

10.SEL BUTTON

Touching SETUP INFORMATION can adjust volume. In the state, touch VOL to adjust volume and effect.

11. I**◄**◀ BUTTON

* At radio mode:

Pressing it long is manual seeking frequency downwards. When it activated, pressing it slightly is seeking frequency downwards step by step, pressing it long is seeking frequency downwards continuously, pressing it shortly is seeking frequency downwards automatically.

When selected effective frequency, the unit will stop seeking and start to radio.

* At TV mode

Pressing" << " button is seek frequency upward.

* At DVD model

Pressing button is seek song or chapter upward.

12. ►► BUTTON

* At radio mode:

Pressing it long is manual seeking frequency upwards. When it activated, pressing it slightly is seeking frequency upwards step by step, pressing it long is seeking frequency upwards continuously, pressing it shortly is seeking frequency



Show the selected image scene ratio. "LB" letter box "PB" camera leans scan. The left picture mean can transfer form the 16:9 image mail box

The sign disc playing zone code

Area1: Usa. Canada. Island On Pacific Ocean East Area2: Japan, Western Europe, North Europe, Egypt, Southern Africa, Middle East Nation Area3: Taywan, Hongkong, South Korea, Thailand Area4: Australia, New Zealand, South Asia, Island On Pacific Ocean South, Oceania Area5: Russia, India, Mongolia, East Europe, Central Asia, North Korea, North Africa, Area6: China

STORAGE OF DISC



When disc is not in using, put it back stand in disc box. Please keep The Disc away from too cold, wet or heat sources. (including sunshine sources). Don't stick paper on tape to the disk, or use disc with pencil, ball pen or other write tool with tip, Which may hurt the disc.



Don't let your disc in sunshine or in too hot environment.



Don't use Alcohol, thinner or cleaner which are sold in market. or water used in gramophone disc more maintenance of disc, please see the disc explain.

Don't enter many disc in the unit once!



SUBTITLE

Press it to cut gradually the captions language

PRG

After press program key, press the digital to input the order of the title/ Songs. Then press the key \parallel To play.

[AUDIO KNOWLEDGE]

DVD BASIC KNOWLEDGES

sign knowledge of dvd	12cm diameter Feature	longest time to play
	Double-decked(dvd-9) monolayer (dvd-10) Double-decked(dvd-18)	242 Minute 266 Minute 484Minute
	bosseyed, monolayer (dvd)	mpge2 74 Minute
	bosseyed, monolayer	cdda 74 Minute

SIGN KNOWLEDGE OF DVD DISC

Sign	signification
Cigii	
(8))	Show the sound orbit number of disc record, at most eight sound orbit in one disc
32	Show the disc can offer with multiple subtitle display.
00 9 1	Show the view angle number of shooting image(at most nine angles)

upwards automatically. When seeked effective frequency , the unit will stop seeking and start to radio.

* At TV mode

Pressing ">>" button is seek frequency upward.

* At DVD model

Pressing button is seek song or chapter upward.

13. AUDIO BUTTON

Press this button to adjust mono left/right

14.SMART DIAL/ENT BUTTON

Roll right or left to select function, then press for a short time to confirm.

15. LOUD BUTTON

Press it can open or close loud button, if the loud control is opened, "LOUD" will display on the screen.

16. TOUCH SCREEN FUNCTION

The used TFT of Unit is touching style. In corresponding OSD interface, touch OSD icon, you can play or operate corresponding function.

[FUNCTION OPERATIONS]

♦ MAIN INTERFACE OPERATIONS





In main interface, touch any function icon can come into corresponding mode. Press top right corner 🔯 , or COME BACK BUTTON can come back current playing state . If having not any operations within about 10 seconds, system will automatically come back to current playing state .

♦ RADIO INTERFACE OPERATION



1. MUTE BUTTON

Press it shortly to turn off the mute function, press it shortly again or press VOL+/VOL- button to turn on the mute function. Press it long to turn off the screen. Press any button or touch anywhere on TFT to turn on the screen.

2. BAND SELECTION BUTTON

Press it to shift among FM1, FM2, FM3, AM1 AND AM2

3. APS BUTTON

Press it shortly to browse and play memorized stations which will last 5 seconds. Press it long for 2 seconds, the unit seeks automatically frequency in full scope, and memorize automatically found stations from M1 to M6,then return M1 to play. Remark: when the unit is in seeking station, it is in sleep state. Every band stores 6 channels, FM1, FM2, FM3 can store 18 channel totally;AM1,AM2 can store 12 AM channels totally.

4. I◄◀ BUTTON

Pressing it shortly is seeking station downward automatically. When selected effective channel, the unit stop and play. When running, press any button of M1,M2,M3,M4,M5,M6 long to memorize the current channel in corresponding button.Pressing it long is seeking station downward manually. When the operation is activated, pressing it shortly is seeking station downward step by step and pressing it long is seeking station downward continuously.

1. EJECT	20. PANEL GLIDE DOWNWARD
2. MUTE	21. POWER
3. SELECT STATION/SONG BUTTON	22. GOTO (JUMPS PLAY)
4. ZOOM	23. SETUP
5. NAVIGATIO N	24. NAVIGATION
6. NAVIGATIO N	25. VOLUM STEP UP
7. VOLUM DOWN	26. FREQUENCY STEP UP /NEXT SONG
8. NAVIGATIO N	27. FREQUENCY DEGRESSION
9. MICRO-TUNE DOWNWARD	28. LONG PLAYING
10. MICRO-TUNE UPWARD	29. TITLE DISPLAY
11. STOP	30. CAPTION TRANSFER
12. PLAY/PAUSE	31. TRANSFER LONG DISTANCE TO SHORT
13. PLAYBACK BROADCAST MENU	RANGE/ PLAY RANDOM
14. SCREEN MENU	32. SINGLE CHANNEL/STEREO TRANSFER/
15. BAND/SYSTEM TRANSFER	PROGRAM PLAY
16. RECEIVER AUTO SEARCH/ REPLAY	33. AUDIO
17. SEL(AUDIO FREQUENCY CONTROL)	34. ANGLE TRANSFER
18. MODE(TRANSFER)	35. BLUETOOTH INCEPT
19. GPS	36. PANEL GLIDE DOWNWARD

REMOTE CONTROL'S BASIC OPERATION:

AUDIO

Press it to cut the movie dubbing language gradually. It has the functions such as 5.1-track output, stereo output and L/R track output

ANGLE

Some DVD disc may be taken views from different angle at the same time. Press the key to enjoy the same view from different angle



[REMOTE CONTROL]



5. ►►I BUTTON

Pressing it shortly is seeking station upward automatically. When selected effective channel, the unit stop playing. When running, press any button of M1,M2,M3,M4,M5,M6 long to memorize the current channel in corresponding button.

Pressing it long is seeking station upward manually. When the operation is activated, pressing it shortly is seeking station upward step by step and pressing it long is seeking station upward continuously.

6. LOC BUTTON

Press it to perform shortly/long-distance control.

7.LOUD BUTTON

Press it shortly to switch LOUD control, at the same time to display hint in TFT.

8.ST/MO BUTTON

In FM band, touch it to shift stereo or mono-channel. When signal is weak, selecting mono-channel can reduce noise.

9. M1-M6 BUTTON

Touch any one of M1 TO M6 shortly can sort the memory station. Pressing it long to preserve the running station.

DVD OPERATION INTERFACE





1. $\square \times$ BUTTON

Touch it shortly to turn off mute, touch it shortly again or touch VOL+/VOL- button to turn on mute. Touch it long to turn off the screen. Press any buttons or touch screen to turn on.



During DVD playing disc, press it to stop playing, press again will resume playing.



In DVD playing disc state, touch it shortly to select songs upwardly. Touch it long circularly to select the fastback (2*4*8*20*time speed) playing. In fast playing state, touch the button to resume normal playing mode.

4.

In DVD playing disc state, touch it shortly to select songs downwardly. Touch it long circularly to select the speed (2*4*8*20*time speed) playing. In fast playing state; touch the play button to resume normal playing mode.



When displaying the button, press it to come out more touch buttons.

Firstly press> button, it will display below interface:



[GPS PARAMETER]

SYS	SYSTEM PARAMETER	
Main frequency	400MHZ	
Main CMOS chip	SUMSUNG S3C2440A-40	
Memory	64MB	
Storage	64MB	
Navigation software memory	SD card or built-in NAND FLASH	
Operation system	WINCE 5.0 CORE	
Software translate and edit type	ARMV4	

GPS HARD PARAMETER

CMOS chip group	Sirf Star III
Frequency	1.575GHZ
C/A CODE	1.023 MHZ
Channel Number	20 Channel
Tracking sensitive degree	-159dBm
Orientation precision	10m,2D RMS 5m,2D RMS
data updated frequency	0.1m/s
Velocity	1HZ



As the following picture:



Click ">""<" to adjust effect, click 🕥 to exit.

8.SYSTEM

At main interface state:



As the following picture:



6. RPT BUTTON

Touch it slightly to select repeating playing chapter, repeating playing name, repeating playing, and close repeating playing.

7. RDM BUTTON

Touch it slightly to open or close RDM play. When being RDM play mode, playing order is out of order.

8. N/P BUTTON

Touch it to shift between audio and video.

9. L/R BUTTON

When playing VCD, touch it to shift between left and right channel. When playing DVD, if the disc has multi-tracks or multi languages, touch it slightly to shift among multi-tracks and multi languages, if the disc just has mono-track, touching it slightly is useless.

Firstly press button, it will display below interface:

DISC	ſ	\times
$MENU \bigtriangleup \nabla \bigtriangleup \vartriangleright$	OK	
stop subt osd $\gg 11$:	20	

10. MENU BUTTON

Playing DVD disc, press the button to display song list (number), and playing as per selected song number (need disc supporting)



Touch it to select upward in current level menu. When needed item selected, touch OK to run.



Touch it to select downward in current level menu. When needed item selected, touch OK to run.



Return to screen set interface:



As the following picture:



Click ">""<" "^" to adjust parameter, the click "OK" to confirm.

6.TIME

Refer to P31

7.SKIN

At main interface state:



13. **G** BUTTON

Touch it to return to last level menu. When needed item selected, touch OK to run.



Touch it to return to next level menu. When needed item selected, touch OK to run.



When needed item selected, touch OK to confirm.

16. STOP BUTTON

Touch it to stop playing.



When playing DVD disc, if DVD disc has several captions, press it to shift among captions. If DVD disc has mono-caption, pressing it is useless.

18. OSD BUTTON

In playing disc state, press it to select circularly the time display of mono-song playing, residual time of mono-song playing, full disc playing, residual time of full disc playing and close playing.

Note: Operations for USB/SD is similar to DVD.

TV INTERFACE OPERATION

	ď	$\left \times\right $
KA KA AS F-	F+	11:20



As following picture:



Chick "right-left" seroll button to adjust parameter!

Return to screen interface:



As following picture:

	een size:	
level:	. <mark>∢</mark> p	\bigcirc
plumb:		10
		_

Click ">""<" to adjust vertical, horizon parameter, then click "OK" to confirm.



BUTTON

Touch it shortly to turn off mute, touch it shortly again or touch VOL+/VOL- button to turn on mute. Touch it long to turn off the screen. Press any buttons or touch anywhere in screen to turn on.



Touching it slightly to select upward the stored TV channel.



Touching it slightly can select downward the stored TV channel.



Touching it long, the unit will seek channel in full scope and memorize automatically.



When searched channel is hazy or signal is weak, touch it to adjust upward to calibrate frequency.



When searched channel is hazy or signal is weak, touch it to adjust downward to calibrate frequency.

IPOD INTERFACE OPERATION





1. I Button

Press it shortly to turn off the mute function, press it shortly again or press VOL+/VOL- button to turn on the mute function. Press it long to turn off the screen. Press any button or touch mainframe screen to turn on the screen.



In IPOD playing disc state, touch it shortly to select songs upwardly. Touch it long to choose the fastback mode. In fast play state, touch the button to return natural playing mode.



In IPOD playing disc state, touch it shortly to select songs downwardly. Touch it long to choose the speed mode. In fast play state; touch the button to return natural playing mode.



In IPOD play disc state, press it to stop play, press it again to renew play.

EXTERNAL VIDEO FREQUENCY INTERFACE OPERATION





Press it shortly to turn off the mute function, press it shortly again or press VOL+/VOL- button to turn on the mute function. Press it long to turn off the screen. Press any button or touch mainframe screen to turn on the screen.



Press it to choose external input video color.

4.TOUCH SCREEN

Refer to P22

5.SCREEN

At main console state



As following picture:



As following picture:







After click, as the following picture:



After click, as the following picture:

	GPS Monitor	
Longitude:	113°53.8021′E	
Latitude:	22°34.34201N	
Height:	43.3M	
UTC:	06:45:50	
		6.Click this

As following picture:



◆ BLUETOOTH INTERFACE OPERATION



The system provide Bluetooth freehand communication function, if you phone has Bluetooth and A2DP function, it can set up joint dot vs. dot with the system, in the scene, it can achieve the phoning, telephone answer etc function and play telephone music.

* Partnership

In the system main interface, press the freehand module, enter <a>[I] Bluetooth freehand interface, and open phone function of search new equipment, When system contact with signal, it will cue phone whether connect equipment, phone choice YES and import password 0000 and ensure it, after system contact with phone ,system scène display: it had connect, whether try it again, until it's OK.

1. CONNECT/CUT

After system connect with phone, press "cut" button to cut connection, then press the connect button to renew connection.

2. DIAL PHONE



When system connect with phone, it can import phone number by scene number button, it can directly dial phone number by phone or press televox dial to televox dial number, press take phone button with green.



Come into the following picture:

*Answer phone

When sb. calls you, in any model, system will automatically change Bluetooth freehand function interface and playing voice is mute of current mode change to ring of incoming telegram, if Bluetooth set up automatism answer, system will automatism answer phone, if Bluetooth don't set up automatism answer, press interface answer so r referse choice answer or refuse answer. During answer phone, press picture of phone, it can change talk sound to phone, ensure safety which talk information, press picture of Bluetooth, it can change talk sound to loudhailer of car. Incoming telegram number will be display information rim.



In dial number state, When input wrong, press the button to cancel character

Bluetooth playing music operation

In system main interface, you press 1 (freehand mode), enter Bluetooth freehand interface and open phone function of search new equipment, when system contact with signal of phone, it will cue phone whether connect with equipment, phone choice Yes and import code 0000 and ensure it, system will connect with phone, system scene display it had connect. After connect, in system main interface press Bluetooth music freehand mode, enter Bluetooth music interface. Open your phone music play machine, it will play mode set up to AV/earphone, it can play MP3 music which deposited in your phone by car loudhailer.



Press it to play/pause MP3 music of phone deposited.



Press it to stop play MP3 music, press the play button to renew memory play.



In play MP3 state, press choice song along button to play ahead song.





In play MP3 state, press choice song backward button to play backward song.



Waiting a moment..., as following picture:



(Above picture is sentensit of sattellite data and signal)



After click, as the following interface:





Come into normal set interface, as the following picture:



Button Voice

Click "< " "> " to select 3 mode circularly:



Language

Click " <" " > " to select 3 mode circularly:



3.GPS monitor



◆ SYSTEM PARAMETER INTERFACE **OPERATION**

11:30 AM	Setup	X
Basic Setup	PADIO	EUROPE
	TU	NTSC
Aud io Setup	TIME	00:00
	CLOCK	24H
Video Setup	BEEP	NO

DIRECTION BUTTON



BASIC SETUP

1.Radio

Upward/downward button or direct press choice item, press the item or left/right circulate choice radio area setup.

2. TV

Upward/downward button or direct press choice item, press the item or left/right circulate choice TV setup.

3. Time

Upward/downward button or direct press choice item, press the item or left/right button to adjust time.

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4. CLK

Upward/downward button or direct press choice item, press the item or left/right button to change 12H,24H.

5. CLK SW

Upward/downward button or direct press choice item, press the item or left/right button to choose open or close time display.

6. BEEP

Upward/downward button or direct press choice item, press the item or left/right button to choose open or close beep.

7. GPS ON/OFF

Press up/down button or direction key choose the GPS, Press up/down button or direction key choose the item chooses turn on or turn off to the GPS. In the GPS off mode, GPS off, can't enter the GPS. Press main page can't use the "GPS" icon.

AUDIO SETUP

1. BAS

Upward/downward button or direct press choice item, press the item or left/right button to step up or depress bas.

2. TRE

Upward/downward button or direct press choice item, press the item or left/right button to step up or depress tre.

3. BAL

Upward/downward button or direct press choice item, press the item or left/right button to adjust bal.

4. FAD

Upward/downward button or direct press choice item, press the item or left/right button to adjust fad.

LOUD

After you use the direction key of up and down or click once to select the option directly, click it once or use the direction key of left and right to circle selecting the loud control of opening or closing.

SYSTEM MAIN INTERFACE SET

At main console stale:



Come into set interface:



1.NAVIGATION SET

Refer to page 27

2.NORMAL SET





Operation interation as following picture:



Click " 🚼 " to full screen, or click any ewhere in screen to play full screen, as the following picture:



Click anywhere of screen to exit:



According to your requirement to operate, as the handlook is limited, we just descrike the basic operation.

EQ

After you use the direction key of up and down or click once to select the option directly, click it once or use the direction key of left and right to circle selecting the audio mode.

VIDEO SET

BRIGHT

After you use the direction key of up and down or click once to select the option directly, click it once or use the direction key of left and right to adjust the brightness.

COLOR

After you use the direction key of up and down or click once to select the option directly, click it once or use the direction key of left and right to adjust the color.

CONT

After you use the direction key of up and down or click once to select the option directly, click it once or use the direction key of left and right to adjust the contrast.

MODE

After you use the direction key of up and down or click once to select the option directly, click it once or use the direction key of left and right to circle selecting the USER mode、STD mode(the standard mode)、SOFT mode、BRIGHT mode.

PARK ON/OFF

Press up/down button or direction key choose the PARK. Press up/down button or direction key choose the item chooses turn on/off to the PARK.

In the PARK ON mode, the PARK (cathode) to be able to watch on the lcd screen; In the PARK OFF mode, the PARK (cathode) to be possible to watch on the LCD

screen.

After click "Down scroll", as the following interface:



[REARVIEW]

If the car install the rearview, when it move back, the system will switch rearview condition automatically, and display what it took on the screen, make sure the safety of moving back car. During the driving, if you want to know the condition at the back, you can press the icon CCD on the home page to enter to the rearview interface. When the system enter to the rearview video interface, while the current condition is play, then the loudspeaker output the sound of the current play condition, and the external audio and video output are all in the current condition.



Come into FILM interface :



After clicked, come into the following interface:



After click, as the following interface:



CLOSE PICTURE FUNCTION

For the sake of your driving safely, the unit has the close picture function when driving,(connect manual brake close screen testing wire to the car's brake power switch. If you want to cancer this function, you can ground the manual brake close screen testing wire),you can't watch the graph until your park.

Close mode

When driving in the night, in order to protect the sight of driver, secure safety of driving, on any mode of playing, long press "MUTE" key, system will close display screen, but will maintain playing. Click any key on touch screen or press any on the panel to exit close mode.

GPS OPERATION

[NAVIGATION SOFTWARE REQUEST]

- Operation system:windows5.0 core
- Navigation software edit format: ARMV4I
- I/O:COM2,bite rate:9600

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Come into the following interface:



After finished above operations, as the following interface:



In above interface, According to your requirement to rotate ,full screen,zoom+,zoom-,slide play,up scroll,down scroll or give up operation and

5.Film

At main console interface



[set before use]

Before using GPS, must set it as following method, then to operate the GPS.

1.TOUCH SCREEN CALIBRATION.

Detailed operation as following:

At main consol interface:





After touch "touch screen" icon, as following picture:



After touch touch screen icon", come into the following interface, as following picture:



Touch " + " icon for 1 second at least, as following picture:



After loosed,"+"move to top left coner,as following picture:



After touched above operations, come into the following interface:



4.Picture

At main console interface:



Come into main interface:









Open Adio file



As the following interface:



\StorageCard\MP3	
[]	
[RtNavi]	
001.a place near by. mp3	
002.give a little love. mp3	
003.the day you went away. mp3	
004.I miss my friend. mp3	
005.Thanks for the Memory . mp3	





After loosed, " —— "come to button-right coner,as following picture:



 $\overline{\mathbf{b}}$

2

•

<

 $\overline{\mathbf{a}}$

 \checkmark





After touched, as following picture:



After loosed, "——



following picture:



Touch "OK" finally, as following picture:



Finshed above operations, system return to main console inferface:



If not displaying "OK" indicate calibration is failure.the cause is touching "+" is too short,please repeat above opertions until the "OK" is displayed.

If you want to read page 12,touch"Page search":



Number button



PERATION

INSTRUCTIO



After touch, come into the following interface:

2.SET DIRECTION FOR NAVIGATION SOFTWARE.

Before using the GPS,must set direction for navigation software, detailed operations as following:

Insert SD with map to SD socket, then connect the GPS to car AV system correctly, turn on the AV unit, come into AV main interface, then touch "GPS" icon to come into GPS interface, as following Picture:

Console

0

5

Navigation

ctric-boo

Music

Picture



When car move forward, the screen cross move as car to perform site navigation.

2.ELECTRONIC BOOK

At console state



Come into "Electronic book" interface:



After touch, come into following interface:



Touch "set" icon at first, as following picture:

00:38





After finished above operation to come into set interface, as following picture:



When coming out above interface, touch "navigation set" to set, as following picture:



Touch it to come into set interface, as following picture:



Touch "open file" icon again, as following picture:



After touched, come into the following interface:



After touched, come into the following interface:



For Example:Input Guangzhou railway station.



After touch, come into the following interface:



ERATION

INSTRUCTIO

SARAUDIO SYSTEM

Touch"open file" icon to come into the following interface:



Then double touch "StorageCard" quickly or touch "OK" directly, as following picture:



After touched, display the following interface:

(man-	
[]	6
[RtNavi]	

Double touch "RtNavi" quickly or select "Rtnavi", then touch "OK" as following picture:





Wating for a moment,...will come out the following picture:



After touched, come into the following interface:



After touched, come into the following interface:





[OPERATION INTRUCTION]

After finished set before use, the following will describle the specific operation for all interface, PIs read carefully to avoiding non-proper operation!

■ CONSOLE INTERFACE INTRODUTION:



1.Navigation

The navigation fuction will run just when the SD card has been storeed navigation map,or is invalid, the following will intruct the fuction according to Rtnavi software, the use of the other map refer to its instrution.



After touched, display the following interface:



Double touch "Rtnavi.exe" or select "Rtnavi.exe",then touch "OK".After these operations,system retuan to navigation set interface,as following picture:

\Device	
[…] [RtNavi] RtNavi.exe 6.Double touch "RtN	Or select the fly Nativen touch

Return to navigation interface set:



Then tick select "Auto run navigation when imitating", then touch "exit" button, or exit the set interface:



Come into next interface:

SARAUDIO SYSTEM

Return to set interface:



After above opertions, seting direction is sucessful !

3. TIME SET

At main console





Introduction for the buttons of the interface:



Introduction for the zone of the interface:



According to above introduction comtent, set country and region date and time.