Owner's Manual

2-DIN Car Multimedia and Navigation System
6.2' LCD display with touch screen

2-DIN GPS/RADIO/DVD/MP4/MP3/U-DISK PLAY/
AUX-IN/BLUETOOTH /STEERING WHEEL LEARNING

TABLE OF CONTENTS

1.User guide

1.1 Power supply
Make sure connect the unit to a negative ground 12V-16V D.C power supply; please do not connect to DC24V truck or bus, otherwise, the unit will be damaged.

1.2 Notice
A. Do not expose the unit directly under sunlight or install the unit at an environment of excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.

B. The rearview camera function and navigation function provided only to be as aid for you driving. We assume no responsibility for any accidents arising from this. If using the unit will detract your attention, please do not use it, and also to make sure it will comply with the actual road conditions and obey all traffic rules and lows.

C. The date provided by the navigation software may not be consistent with the actual traffic conditions because of accidents, road construction or other unforeseen developments, so just for reference.

D. Please do not raise the volume level too high and do not wear headphone when you are driving, otherwise you can not hear the traffic situation and emergency signals from outside of the car.

E. Please make sure to start the engine when you use this unit, otherwise the storage battery may run out.

F. This unit is designed to operate through the touch panel. The touch screen maybe scratched or damaged by harsh or sharp objects.

【Warming】
Please do not install and repair this navigation system by yourself. The person who does not have training in electronic equipment and car accessories to install or repair this navigation system, it will be possible to cause dangerous accidents.

【Safety Statement】
In some countries it is illegal to watch TV/DVD while driving. For you and other people's safety, please don not watch any program or related operations while driving. The rearview camera function is provided only as an aid for reversing car. We assume no responsibility for any accidents arising from this.

1.3 System upgrade
Pease follow the technician's instruction to upgrade the systems software.

1.4 Power on
Mare sure the ACC ignition switch has already been turned on,, and then press the power button on the unit panel.

1.5 Power off
Long-time press the power button on the unit panel, the unit will go into sleep mode.

【Notice】
If you want to turn off the car supply power, please turn off the unit firstly.

1.6 System rest
Click "RESET" when the unit is no response.
The following conditions will cause the unit no response:
The switchover process of screen delay, stagnant cause the frame's switchover is not successfully, so play the higher solution video file and not support file format, causing the unit has not response in a long time, and click the power supply no use, then you can click "RESET" to restart the unit and it will return to normal.
1.7 Micro SD card
This system can support the multimedia file play copied in Micro SD card and the navigation that map data is stored in Micro SD card. Please make sure you set the GPS navigation path (setting method reference 3.10.1 GPS navigation map path setting), to ensure that you can operation GPS navigation map program successfully.

【Notice】
A. Do not take out the Micro SD card when the unit is running the navigation software or media playing to prevent illegal operation, which the file damaged.

B. Do not press and bend the Micro SD card to avoid the Micro SD card drop out and hits.

C. Do not expose the Micro SD card directly under the sunlight. Do not use or store it in a humid or corrosive environment. Keep away from liquid, heat sources and extreme temperature.

D. Take note of the right direction for inserting the Micro SD card into the slot in case the slot or Micro SD card is damaged due to carelessness.

1.8 USB connector
User can connect the U disk through the MINI USB connector on the unit panel, and play the multimedia file in the storage device.
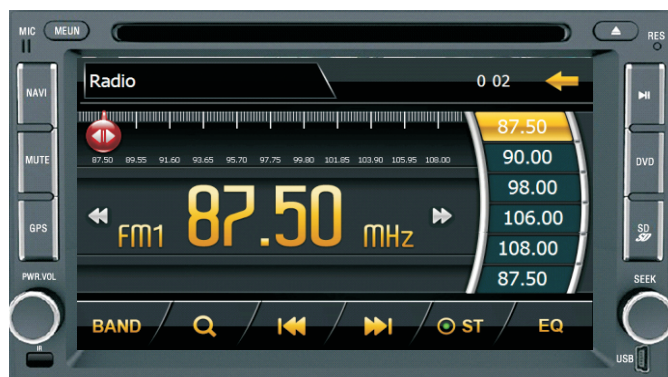
【Notice】

A. Please make sure the unit is powered on before using.

B. Please make sure the form of the U disk is FAT32 from before using the U disk.

C. Please use the USB cable from the unit package, connect the MINI USB with the "MINI USB" connecter on the lower right of the unit panel.

2. Buttons Definition

2.1. Buttons Definition
 MENU ----- Main menu(Long press on the Radio Interface to enter alignment interface

 MIC ----- MIC

NAVI ----- One key tone for navigation

MUTE ----- Short-press: mute / Long-press: turn off the screen

GPS ----- GPS map card connector

PWR.VOL ----- Short-press: power on. After power on, it can adjust the audio (can choose the volume, balance, bass, treble and heavy and mediant bass), and left-right rotating can adjust the mode. (Volume, balance, bass, treble and heavy and mediant bass). The default mode is to adjust the volume.

IR ----- Remote control receiving

▲ ----- Pass in and out disk

RES -------- Reset

▶❙ ----- Play/Pause

DVD ------- DVD mode

SD ------- SD card connector

SEEK ------ Upward and downward is one step frequency in the radio
            mode.Last song and next song in the DVD system.

USB ------ USB connector definition

2.2. Interface Definition and Cable Connections
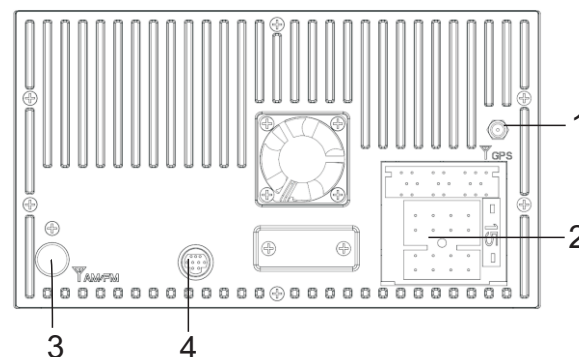
1.GPS Antenna

2.ISO connector
   showing as below list

3.RADIO Antenna

4.IPOD

2.3. ISO multifunction cable definition

ISO Connector	1.AUX AV input	①AUX-L-white
		②AUX-R-red
		③AUX-V-yellow
	2.Audio Out	①FL (Front-left)output-white
		②FR (Front-right)output-red
		③RL (Rear-left)output-white
		④RR (Rear-right)output-red
		⑤SW (Subwoofer) output-Black
	3.Video Out	①V OUT1 -Yellow
		②V OUT2 -Yellow
	4.Camera input	①Rear Camera input
ISO Connector	1.Car Battery	①BATT+: Yellow（connect to the battery positive)
		②GND: Black (connect to the battery negative)
	2.Control Line	①ACC: Red
		②KEY1:steering control line‐Brown
		③KEY2:steering control line‐Dark Brown
		④ANT: Green (Connect to the radio antenna control line or antenna amplifier power)
		⑤ILL+: Pink
		⑥BRAKE: Blue
ISO connector	3.Speaker	①FL+ ： (white)
		②FL-： (white-black)
		③FR+： (gray)
		④FR-： (gray-black)
		⑤RL+： (green)
		⑥RL-： (green-black)
		⑦RR+： (purple)
		⑧RR-： (purple-black)

2.4 Remote controls

1.Mute Button
2.Power on/off
3.Seek +/Next Song
4.Sound Equalizer
5.Left / Right channel , Front/Rear speaker channel control
6.Volume -
7.Seek -/Last Song
8.Num Key: 0#
9.Num Key: 2#
10.Num Key: 1#
11.Num Key: 5#
12.Num Key: 4#
13.Num Key: 8#
14.Num Key: 7#
15.Play menu title
16.In the Radio mode : Scan the station ;In the A/V play , select as repeat play mode
17.Menu Select
18.Enter
19. Left select
20.Menu Language Setting
21.Navigation Shift
22.Mode Shift
23.Loudness control
24.Band Switching
25.Volume +
26.Random Mode
27.No use
28.Single track /Stereo shift in the Radio /Audio mode

29.Num Key: 3#
30. Stop
31.Num Key: 6#
32.Play/Pause
33.Num Key: 9#
34.Content In the A/V play
35.Language transfer for the DVD play (Disk must be available for this function)
36.Play caption
37.Up select
38.DVD play different angle view (Disk must be available for this function)
39.Slow play
40.DVD play setting
41.Right select
42.System Main Menu
43.Video play zoom
44. Down select

3. Basic Operations

Function introduction

 GPS navigation

 Radio

 Multimedia(include DVD 、USB、AUX、SD 、IPOD)

 Bluetooth

 Setting

3.1 GPS Navigation

3.1.1 Operation instruction

Click icon in the main menu to start GPS navigation map program.

3.1.2 Navigation software

The unit positions and shows the current coordinate in navigation map correctly by its built-in GPS receiver. After user inputs a route setting, GPS navigation will guide the user to reach the destination safely and efficiently. You will enjoy the personalized service which provided by the navigation system with the cartographic visualization, timely animation, speech sounds prompt, words prompt etc. make your road trips more safely, comfortable and happy. More details about the navigation function please reference relevant Navigation software manual.

【Notice】
A. Make sure the unit has been installed the external receiving antenna before using, otherwise, you can't receive and position the satellite signal.

B. If re-inset the map card, please make sure to reset the GPS navigation path in advance (setting method please refer to system setting 2.12.1 GPS navigation map path setting), otherwise GPS navigation can't start normally.

【Notes】
A. The date provided by your navigation software map maybe not very consistent with the actual traffic condition, because of accident, road construction or other unforeseen developments. When in actual use, please do comply with the actual road condition and obey the traffic rules and laws.

B. The car navigation system just only provides the route for reference; please decide whether choose this route according to the actual road conditions. Limitation from the map software calculation, the driver can make their own choice according to the experience, which will be more convenient and efficient.

C. Many factors, such as being between high and dense building, in a tunnel or underground parking structure, under the viaduct, sudden weather change, or the closure of the satellite signal may affect the reception of the GPS satellite signal. These can result in an inaccurate position and reading or even malfunction of the navigation system.

3.2 Radio

3.2.1 Operation way

Click on the main [Radio] menu to the interface of Radio shown the figure as below:
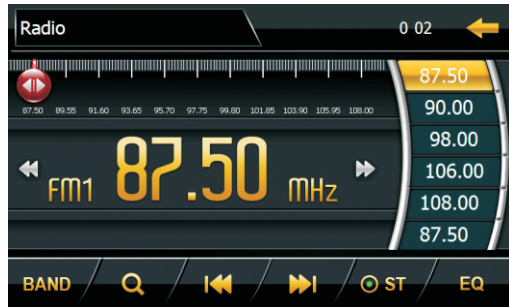
←	Return main menu funciton
BAND	Band switches function keys.
🔍	Short press: browse; Long press: search the radio and save automatically
⏮	Short-press is for change to last radio station, long-press is for downward scan.
⏭	Short-press is for change to next radio station; long-press is for upward scan.
⊙ ST	On or off the stereophonic sound effect
EQ	EQ switch over function
◀◀	Short-press is upward to enter frequency,Long-press is for upward scan
▶▶	Short-press is downward to enter frequency,Long-press is for downward scan

3.3. Multimedia

Operation method

Click on the main [Multimedia] interface to change currently screen to Multimedia main interface.

3.3.1 DVD player

Click [DVD] on the Multimedia main interface enter into DVD player interface shown the figure as below:
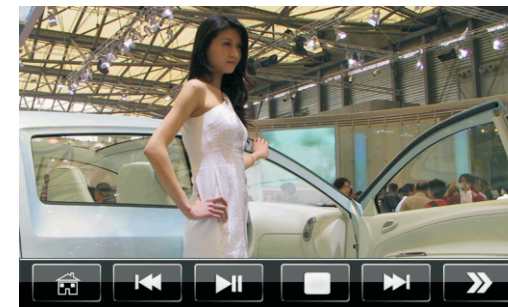
🏠	Return main interface
⏮	Last song
⏯	Play/Pause
⏹	Stop
⏭	Next song
≫	Page down

Click [≫] icon, enter into nest function interface

≪	Page up
◀◀	Fast Backward
▶▶	Fast Forward
☰	Menu function
🔊	Sound channel switchover

Click icon, enter into next function interface

« Page up

⟲ Cycle mode switchover

⤬ Random play

Amplifier setting

AA OSD time display

Video adjustment

3.3.2. USB Play

Click enter into USB play interface shown the figure as below:

←	Return main interface		◄◄	Fast backward
︿	Page up		❙▶❙	Play/Pause
﹀	Page down		■	Stop
📁	Folder classification		▶▶	Fast forward
🎵	Music classification		▶▶❙	Next song
🎞	Video classification		⟲	Cycle mode switchover
📷	Pictures classification		⤬	Random play
❙◄◄	Last song		EQ	EQ adjustment

3.3.3. AUX function

Click icon on the Multimedia interface enter into AUX play function.

🏠 Return main interface

Function setting

Video adjustment

EQ EQ adjustment

LOUD Mega bass

3.3.4. SD card play
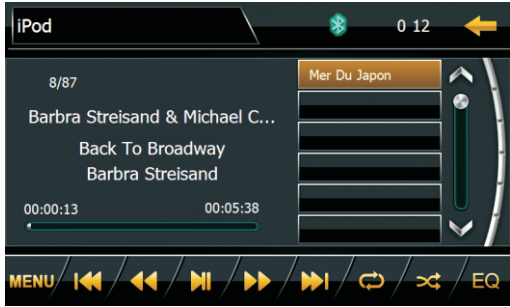
Click icon on the multimedia interface enter SD card play interface shown the figure as below:

← Return main interface

︿ Page up

﹀ Page down

📁 Folder classification

🎵	Music classification		■	Stop
🎞	Video classification		▶▶	Fast forward
📷	Pictures classification		▶▶❙	Next song
❙◄◄	Last song		⟲	Cycle mode switchover
◄◄	Fast backward		⤬	Random play
❙▶❙	Play/Pause		EQ	EQ adjustment

3.3.5. IPOD play

Click icon on the multimedia interface enter into IPOD play function shown the figure as below:

	Return main interface
	Page up
	Page down
	Last song
MENU	Menu

	Fast backward		Next song
	Play/Pause		Cycle mode switchover
	Stop		Random play
	Fast forward	EQ	EQ adjustment

3.4. Bluetooth

Click icon in the main interface and open the Bluetooth function interface shown the figure as below:

	Phone book
	Call record
	Dial
	Bluetooth music play
	Bluetooth setting

Click , through Bluetooth mobile phone to connect with Bluetooth of the unit

3.4.1 Pairing

Click enter into Bluetooth connecting interface shown the figure as below:

Click enter into Bluetooth connecting interface shown the figure as below:

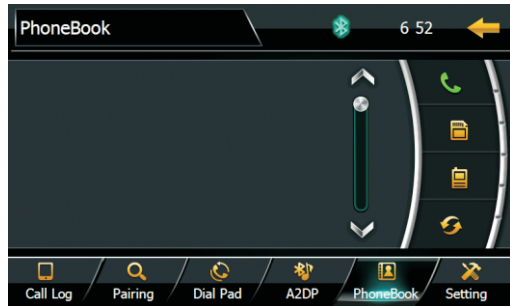|	
	Click this icon will connect with the chosen device in the list automatically
	Click this icon will disconnect with device in the list.
	Click this icon will delete the device nace in the list
	Click this icon will return to connecting interface

3.4.2 Contacts Book

Click enter into phone book funciton shown the figure as below:
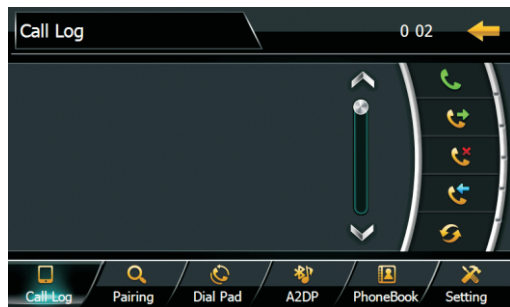

    Automatic dial function

    Click this icon will show the phone number in the SIM card

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    Click this icon will show the phone number in the phone itself

---

    Refresh function

3.4.3 Call Log

Click enter into record call interface shown the figure as below:

 Automatic dial function

 Dialed call number

 Missed call number

 Answered call number

 Refresh function

3.4.4 Dialing

Click inter into play interface shown the figure as below:

    In call shift the phone or the clevice to answer

    Number delete function

    Call dial function

    Call hang up function

3.4.5 Play Music

Click icon enter into Bluetooth play interface shown the figure as below:

 Play/Pause

 Pause

 Last song

 Next song

3.4.6 Setting

Click icon enter into Bluetooth setting interface shown the figure as below:

Click shows keyboard.

You can set Bluetooth name and connecting password based on your needed.

3.5 System setting

Click icon enter into system setting interface. We can left and right slip to page shown the figure as below:

 System setting

 Video setting

 GPS monitoring function

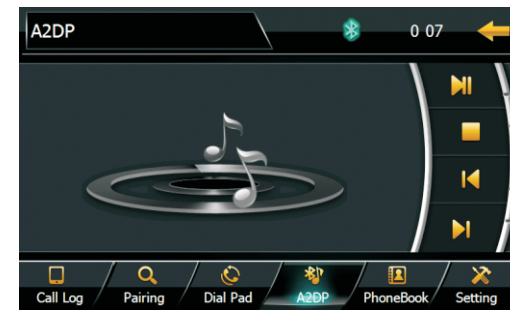 Audio setting

 Navigation path setting

 Time setting

 Language setting

 Touch screen calibration

 Set steering wheel control

 Starting up logo setting

3.5.1 System Setting
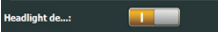
Click icon enter into system setting interface, after entered the interface, also can click the button of bottom enter into each setting mode shown the figure as below:

 Time display switch

 Handbrake control line switch (turn on this function , you can watching video only the handbrake is pulled).

 Key sound switch

 Headlamp checking function switcher

 Navigation mixed sound function switch (when turn on, the sound of the navigation will come out from front loudspeaker and others mode together, but if do not turn on, the sound of the navigation will come out front sound speaker only.)

 Radio area choosing function (Notice: users please do

not to setting this function, if set wrong will cause the radio can't receive any station).

3.5.2 Video Setting

Click setting interface ![Video icon] icon enter into Video setting interface shown the figure as below:

![Upward increase icon] Upward increase

![Downward decrease icon] Downward decrease

![Reset icon] Reset

![Standard icon] Standard display mode

![Soft icon] Soft display mode

![Light icon] Bright display mode

![Bright icon] Bright-colored display mode

3.5.3 GPS Monitor

Click setting interface ![Monitoring icon] icon enter into monitoring setting interface shown the figure as below:
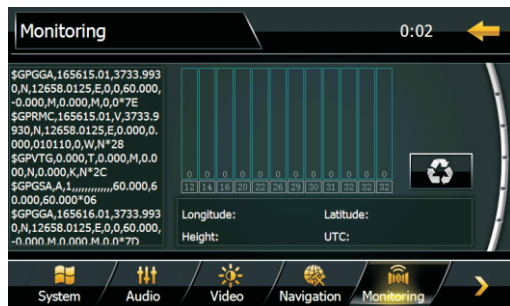
![Reset icon] Press the button can reset GPS if it can't capture the signal and also speed up the positioning speed.

3.5.4 Audio Setting

Click setting interface ![Audio icon] icon enter into Audio setting interface shown the figure as below:

![Upward increase icon] Upward increase
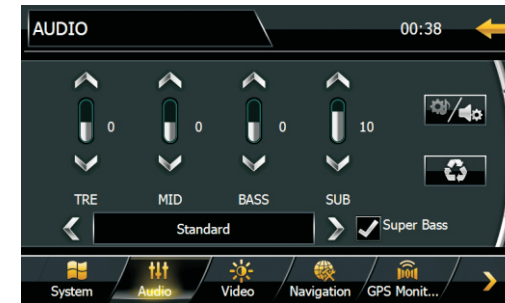
![Downward decrease icon] Downward decrease

![Page down icon] Page down

![Page up icon] Page up

![Switchover icon] Sound effect setting and balance setting switchover

![Re-set icon] Sound effect setting re-set function.

![Super Bass icon] Super bass

Click ![Switchover icon] enter into sound channel balance setting interface shown the figure as below:
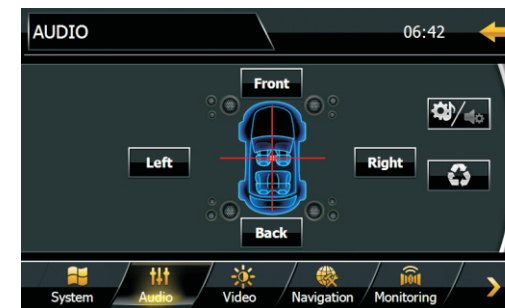
3.5.5 GPS Map Path Setting

Click setting interface enter into Navigation setting interface

shown the figure as below:
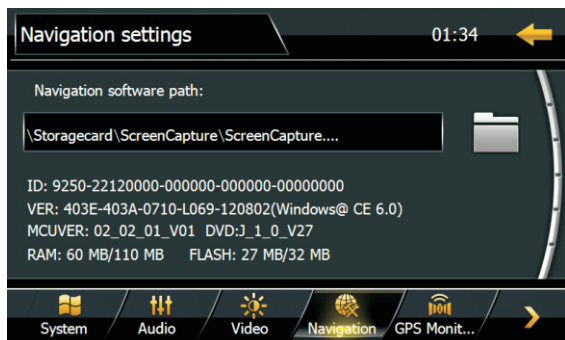
Click folder icon enter into below interface:
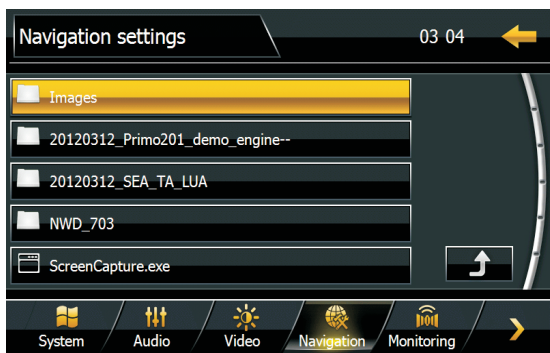
According to navigation file of the map card, choose the map route which you needed (usually the file suffix ".exe" is the route of navigation soft). In this interface, through up and down slip to choose the file you need. After finished choose the navigation route and return, then you can you can start navigation, otherwise, can't start navigation.

3.5.6 Time Setting

Click setting interface icon enter into Time setting interface shown the figure as below:

	Upward increase
	Downward decrease
	Chosen is 24 hours system, do not choose is 12 hours system
	Chosen the Time and GPS' time are same

3.5.7 Language Setting

Click setting interface icon enter into language setting interface, click the national flag which the language you needed shown the figure as below:

3.5.8 Touch Screen Correction

Click setting interface icon enter into screen calibration setting interface shown the figure as below:

3.5.9 Steering wheel control setting

Click setting interface enter into Steering Wheel Control Setting interface shown the figure as below:
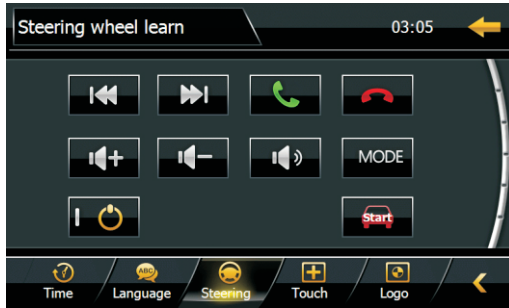
Steering Wheel Control Setting

1. Connect the KEY on original car's steering wheel to the KEY cable on the ISO connector. Steering wheel ground to the GND cable of the ISO connector

2. Click the "Start" icon on the lower right corner, the system will prompt"Long press key of wheel", then click the car's steering wheel directly, until the system prompt"select function of key", click the function key which you needed on the screen, at this point, the button which you have chosen will increase some extra green sign. The system will prompt success, then loosen the key of steering wheel control which you have clicked,click the icon "End" in the screen to finish the setting.

3. Repeat 2 step to continue setting others function.

3.5.10 Starting Up Logo

Click setting interface icon enter into Video setting interface shown the figure as below:

	Up page
	Down page
	Confirm function

4. Technical specification

1.Software	
Operating system	Windows CE 6.0
Language	Simple Chinese, English, Chinese Traditional
2.Function	
Display	Compatible with Hann Star 6.2" TFT LCD display ,resolution @ 800*480 pixels
Touch Screen	6.2" 4-line-resistance touch screen

GPS	Processor	SiRF Atlas Ⅴ 664MHZ
	DDR2	128MB
	NAND FLASH	SLC 128MB
	COM	COM2
	Baud rate	9600
	Support SD card	Max 32GB
AM/FM	Memory Channels	30 memory channels (18 for FM, 12 for AM.)
	Frequent Range	Support Europe,USA,JAPAN
DVD Player	Cassette mechanism	Foryou DL-30H-M
	Decoding chip	MTK MTL1389J
	Support format	DVD/VCD/CD/MP3/WMA/JPEG/MPEG4
	Size	12CM
Bluetooth	A2DP Supported	
	BT hands-free(Bluetooth classⅡ)	
	Frequency range	2.402GHz-2.480GHz
	Antenna impedance	50 Ω
	Communication Distance	3m～5m
Multi-media play	Video Format	MPEG4
	Audio Format	MP3/WMA
	Photo Format	JPEG

	Support SD/TF card	Max 16GB.
	Support U disk	Max 16GB.
IPOD	Support Audio	
Steering wheel Learning	Support (2 key control lines)	
Camera input	CVBS(PAL&NTSC)	
	Impedance input:75 Ohm	
Internal amplifier output	Channels	4 CH output(FL+FR+RL+RR)
	Output power	4*25W
	Speaker impedance	4Ω
AUX AV In	Video	Channels: 1 CH input（AUX Video in）
		Signal System: CVBS(PAL&NTSC)
		Input impedance: 75 Ω
	Audio	Channels: 2 CH input（AUX L in+AUX R in）
AV Out	Video	Channels: 2CH output（Video1+Video2）
		Signal System: CVBS(PAL&NTSC)，default NTSC
	Audio	Channels: 5 CH output(FL+FR+RL+RR+SW)
Additional Function	Daytime mode, nighttime mode	
	EQ Mode: Standard,Popular, Rock, Classical	
	Pitch adjustment: high and low pitched voice adjustable	
	Color of button:blue	
	Automatic preservation: all the setting parameters can be preserved automatically	

3. Port
1PCS Radio port
1PCS GPS antenna port
1PCS colling   fan port

1PCS ISO 36PIN socket port(connect to control cable,speaker cable,powercable,signal cable)	
1PCS Mini USB port	
2PCS TF card ports	
4. System parameter	
Working voltage	DC 10V-16V
Working current	MAX 15A
Working temperature	-10℃～60℃
Store temperature	-25℃～70℃

5. Product Package

Please check the following accessories included in the gift box:

1. Main unit	1PCS
2. ISO connector	1PCS
3. GPS antenna	1PCS
4. USB cable	1PCS
5. IPOD cable	1PCS
6. Manual	1PCS
7. Warranty card	1PCS
8.Remote Contorl	1PCS
9.Desicennt	1PCS