User Manual

Android Naviceiver M.I.C. PAD Series

Contents.

Notice: Certain descriptions in the user manual may differ from the actual unit. Some pictures or icons in the book may differ from actual display. Specifications are subject to change without notice.

Safety Precautions

1) Watching TV or other visual entertainment programs while driving is prohibited in some states and countries. For personal safety and the safety of others, please do not watch or operate the product while driving. Check local law enforcement agencies for usage regulations.

2) The monitor is designed for use in 12V negative ground system; please do not install the unit directly on a 24V bus and truck. Attempt to do so can cause damage to the unit.

3) Install only to conform to Local, State and Federal motor vehicle laws.

4) Do not disassemble or alter the unit in any way. .Any attempt to do so can cause damage to the unit and invalidate the warranty.

5) Never clean the surface of the screen with a chemical solvent or corrosive detergent, as they may cause permanent damage to the TFT LCD screen. Use only a micro-fiber cloth and cleaner designed specifically for LCD panels.

6) Avoid installing the unit where it is in direct sunlight or near a heater vent. Please note that the normal working temperature of the unit is between 0℃ to 45℃. If the internal temperature of the vehicle is extremely high, a short cool down period is necessary before operating the unit.

7) In extremely cold conditions, allow the interior of the vehicle to warm to a comfortable temperature before turning on the monitor.

8) In extremely cold temperature, the movement of the picture may be slow and the picture may be dark. It is not a malfunction. The unit will work normally once it reaches its operating temperature.

9) Easylink might not compatible with all android mobile phone, please refer to your supplier for details.

10) Due to different car specifications, please kindly ensure that the display is suitably located and non-obstructive to the driver's needs in any way.

11) Use only the supplied screws and hardware for mounting.

12) Kindly refer to a local authorized dealer if any questions arise.

13) Do not RESET to factory mode, any service issue please refer to your dealer or supplier.

Notice

Defects caused by abnormal use are not covered by the manufacturer's warranty.

1. Quick Review

Warning: Before using this device, please read the safety and law information of the manual.

1.1 Power on and power off

Power On : When you plug in the car keys, switch on ACC START or the car's ACC power, the device will be automatically powered on, displaying the start LOGO flash.
Power Off: When you take off the key, switch to ACC OFF, or turn off the car's ACC power, the device will automatically be shut down.

1.2 Panel Function Button

power on/off the unit.   Click to enter into main interface.
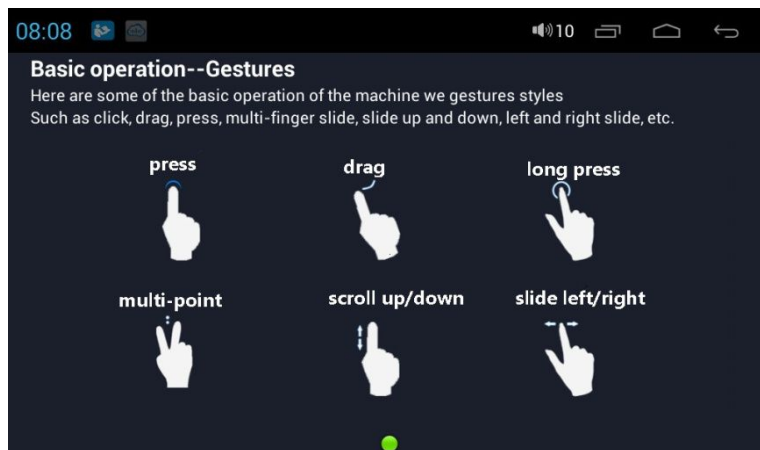
Click to back to the last interface   built-in microphone window

click the button, volume will increase   click the button, volume will decrease

1.3 Tips for Using Touch Screen

Pressing Function

You could press the current user interface, icon, and inputting column to get more function operation. For example, press in the blank area of the main interface, then there comes a pop-up menu, you could perform more functions.

Dragging Function on the menu

Drag the touch screen or press the scroll bar for up and down operation. For example, browse the contact list of the Bluetooth phones by dragging function.

Zooming Function

When browsing the web, click the screen twice, then you could zoom in or out the page content. Or you could press the screen with two fingers by control the sliding distance between the fingers to zoom in or out the page content.

1.4 Main Screen

You can operate the touch screen to use all the functions after booting.

In any interface, press to return to the main screen interface.

 Press to enter Application menu   Navigation   Music
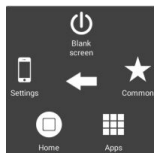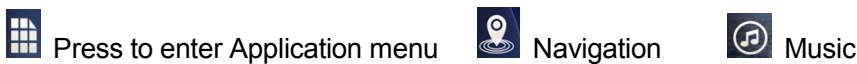
 Floating button (click and slide for shortcut of settings/screenshot/black screen/Home/

Apps/Common/Brightness/Vol)

1.5 Status bar indicator

Tap the left top of the screen, there will appear notifications for notice, device status indicator such as network signal, WIFI signal, Bright, Restart, Time and so on.

 Running APP   Power off   Return   Home   TFT off /black screen

1.6 Time and Date Setting

Automatically update: This device has the function to automatically calibrate the current time on the condition that the GPS is active. When connected with 3G dongle, the device will also update time zone in accordance with your SIM card.
Manual update: You could also manually set the date, time zone and format.
Applications — Settings — Date and Time
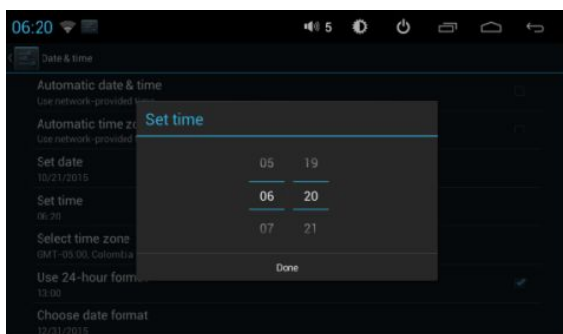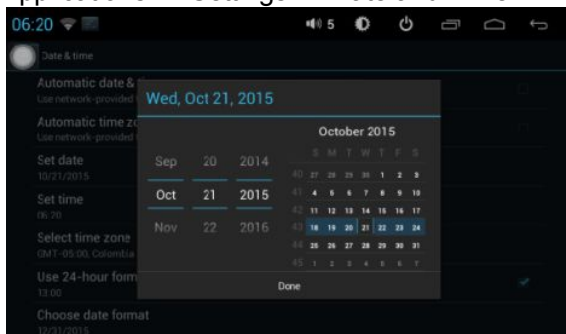
1.7 Text Entering

When editing text, you could use existing input keyboard to edit words, numbers, and symbols for editing message, searching key words etc. You may also download other 3rd-party Android input keyboard APK for inputting text.
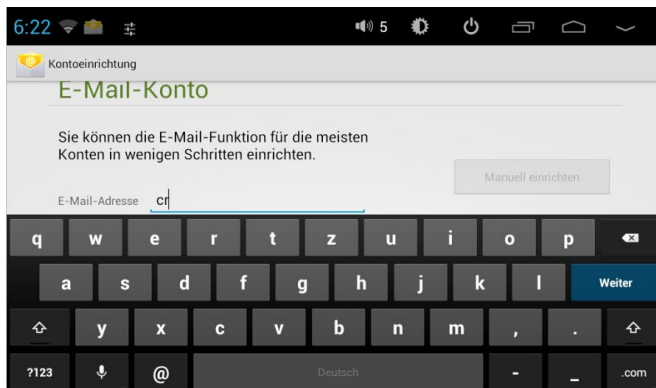
2. Function Operations

2.1 Basic Settings

2.1.1 User Defined Home Screen

There are 5 main screens of this device, sliding left or right to switch. In any interface, you just need to click the HOME to back to main screen. You could add shortcut, widget and file in the blank area of the main screen on the condition that there is enough room for placing.

2.1.2 Setting Wallpaper

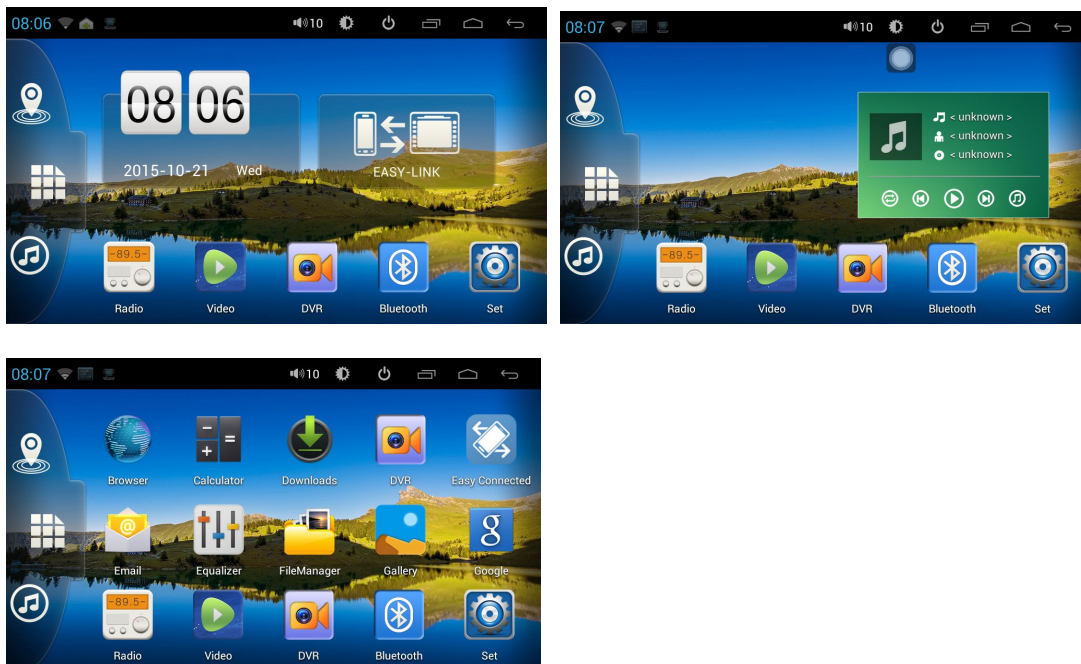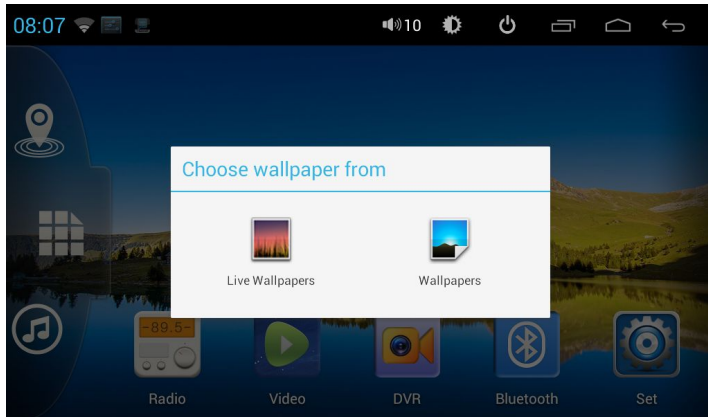Click the blank area of main screen — Wallpaper — Wallpaper or Pictures Bank
Choose your favorite wallpaper photo and click to set as wallpaper.

2.1.3 Shortcut

2.1.3.1 Add Shortcut
In the main menu interface, customer can DIY their favorite shortcut icons by dragging the app icon to the main menu as them like.
2.1.3.2 Delete Shortcut
If there is not enough space to add more shortcut, you can delete some of the shortcuts you don't need. Please long press the icon and drag the icon to the place indicated by arrow then we can delete this icon.

2.1.4 Widget
In application interface, slide to the right page — Widget
Long press and then drag the chosen widget to add it in main menu.

2.2 General

2.2.1 Steering Wheel (only models without canbus need to set SWC manually)

        a. Click "all" to start setting
        b. Click the buttons as you want.
        c. Click the corresponding button on the wheel, if studied successful, there will be a change of color on the main screen.
        d. Repeat step 1 and 2 till you complete all the buttons' setting on the steering wheel.
        e. Click "√ " to ensure that the steering wheel setting is completed.

2.2.2 Navigation application

Set — Common — Navi App — Choose map APK, e.g. If we choose "HERE maps",then when you click Navi in the main menu, HERE map will work automatically.
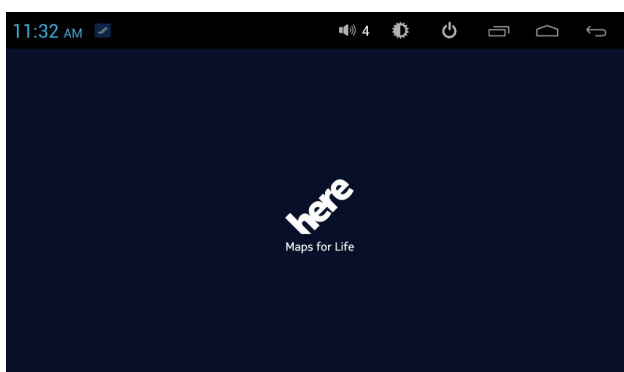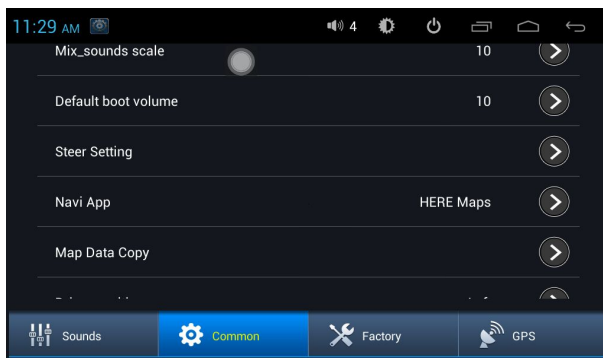
2.2.3 Factory settings:
Please click "Set" in main menu to enter into factory settings.

Sounds:

1.Keypad: touch screen sound. If customer do not want keypad sound, then can click off this function.

2. Loud: amplifier sound output. If click on, the subwoofer function will work.

3.Amp Switch: switch on amplifier or turn on amplifier

4. Equalizer: click to enter into EQ setting menu. Customer can DIY their favorite music style.
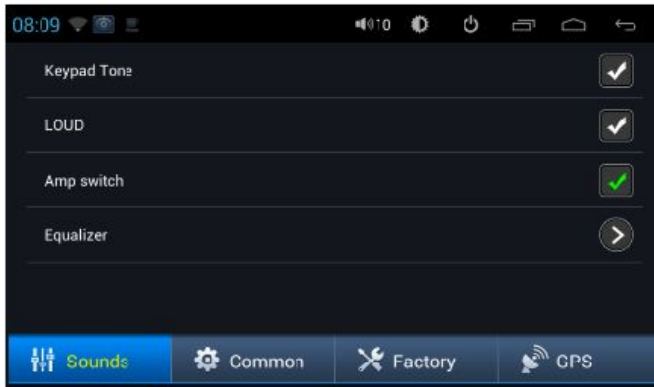
Common: Click for car related settings.

Anykey Boot: Click on this function, unit can be power on by press any button.

Handbrake: Click on to watch TV or video.

Auto Navi: Click on the unit will enter Navigation automatically

Default boot volume: Customer can adjust the boot volume by themselves

Steer setting: click to enter steering wheel control menu.

Map date copy: customer can click and copy map files directly.

Driver position :If drivers on right or the door shows in opposite position, please change driver postion.
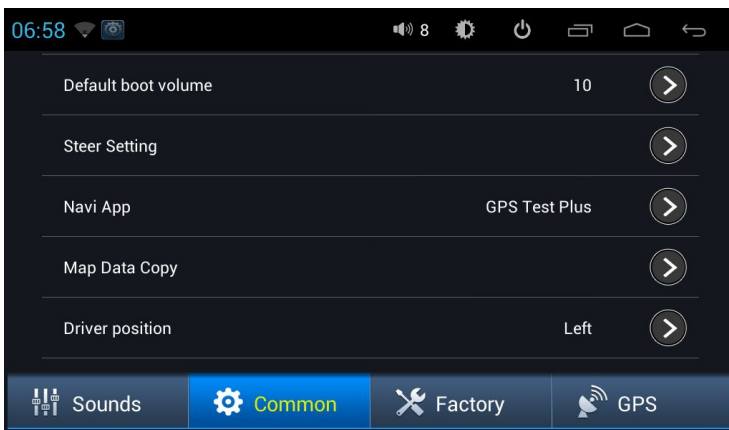
Factory: Please refer to your dealer/supplier for guidance.

GPS: Turn on Synchronous for GPS position & time update

2.3 Navigation

Notice: Map must be 1024*800 resolution

2.3.1 Map from SD card

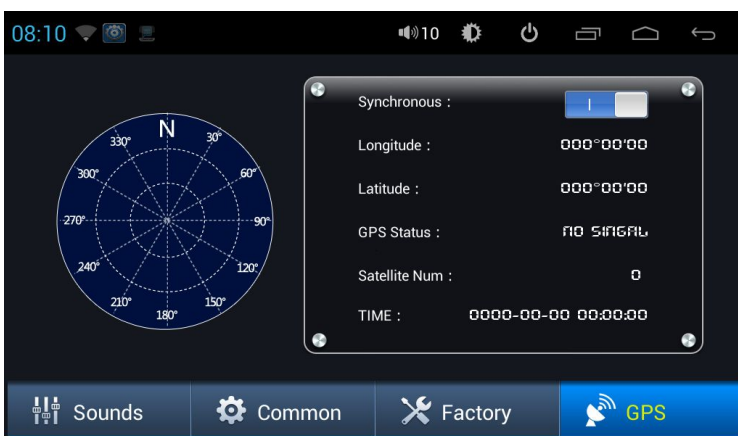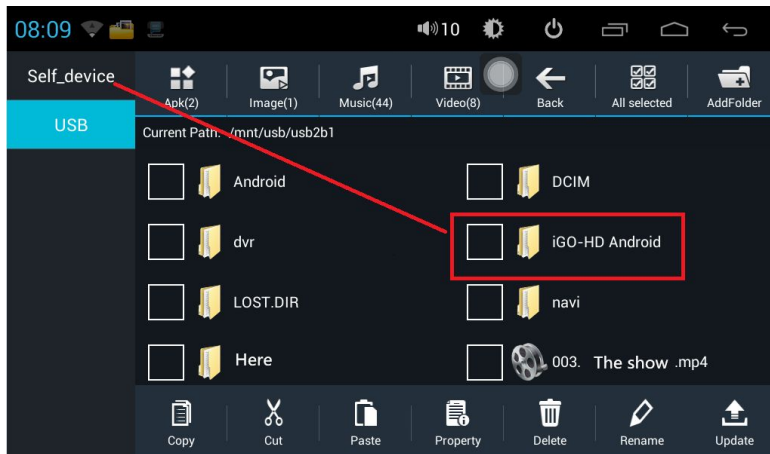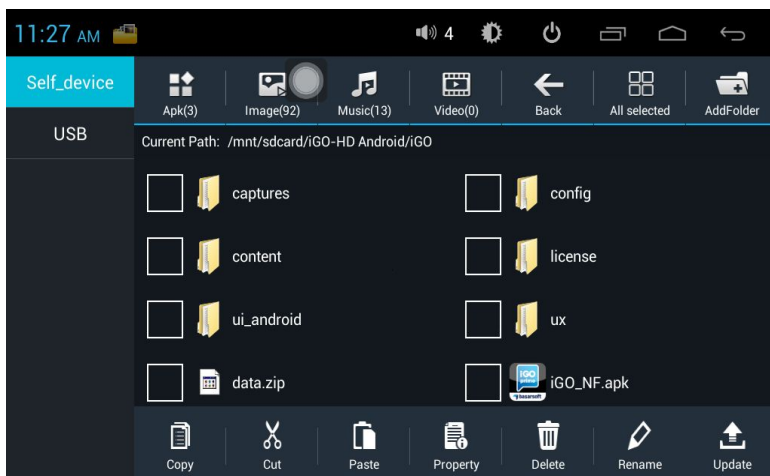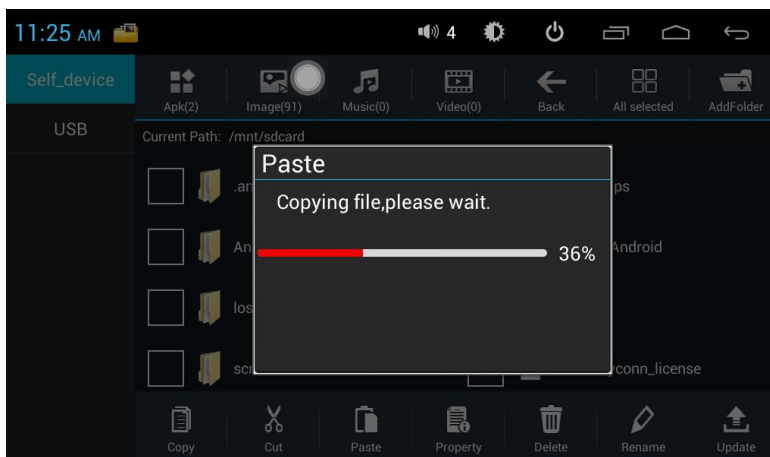Customer can copy map files with folder name into unit self storage by USB .

a. Application — file manager — USB — and find map software copy

b. Click on "IGO-HD Android", then choose Copy.

c. Enter Self_device folder, click paste.

d. Click "iGO_NF.apk" and complete this APK installation.
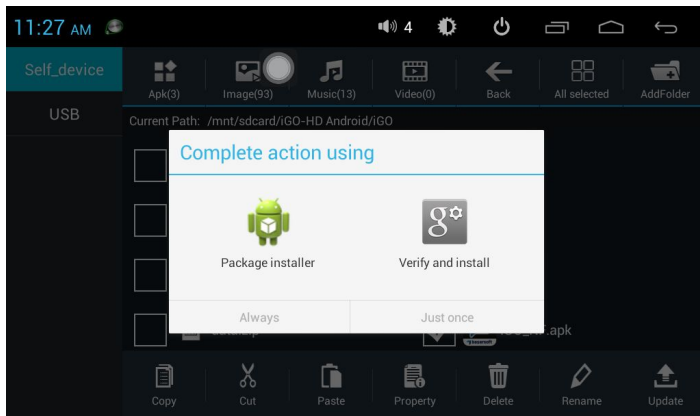
e. Choose "navi path" in "Set" as "IGO",then IGO map will work.

2.3.2 Map from Google Play Store

Customer can also download map APK from Google Play Store by themselves and install map apk with same steps as 2.3.1.

2.4 Radio

2.4.1 Drag the bottom setting bar to enter into next page for setting and RDS functions(optional).

2.4.2 Click below red circled button for adding station name or delete station name.
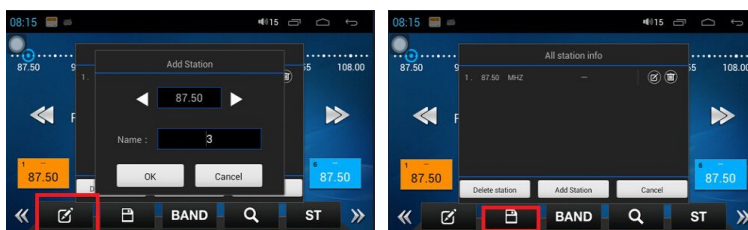
2.4.3   radio related button functions.

Band: Click BAND to switch between mode FM1/FM2/FM3/AM1/AM2.

ST: Stereo

  🔍 : Scan stations

  🔍 LOC: switch between locate and DX

  🔍 ⚙:Radio Settings

TA: Traffic announcement

AF: Alternative Frequency

PTY: Program TYPE

2.5 Bluetooth

2.5.1 Startup Bluetooth application

Click Bluetooth icon to enter Bluetooth menu

2.5.2 BT pairing: Please click "Link" for BT connection

Step1: Click 🔍 to search for mobile phone, or customer can search BT from cellphone

Step2: choose the pairing device, and click 🔗 to connect.
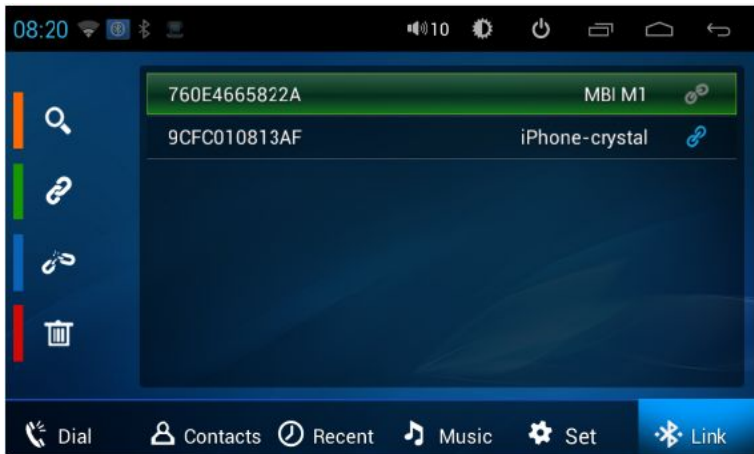
🔗 click to disconnect BT connection.

🗑 click to clear all connection history

📞 click to accept phone call

📞 click to end phone call

⬅ delete input phone number

🔗 disconnect BT connection

🔗 connect BT

🔊 switch the speakers to unit or cellphone

2.5.2 BT phone book

Click [icon] to download phonebook

Click [icon] to save contacts to unit

Click [icon] to delete contacts
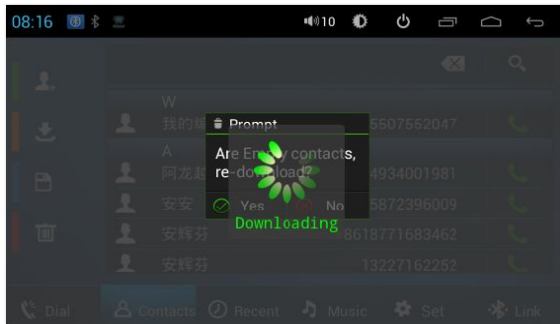
Customer can search contacts via alphabet.
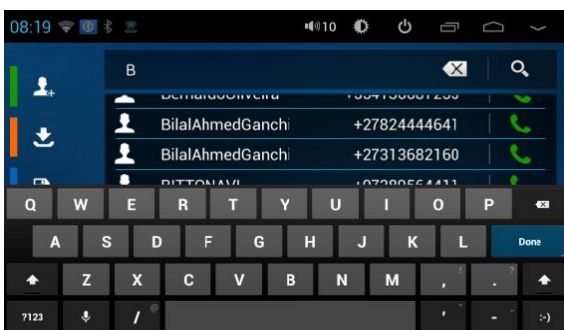
  Customer may also add contacts directly by input name and phone number.
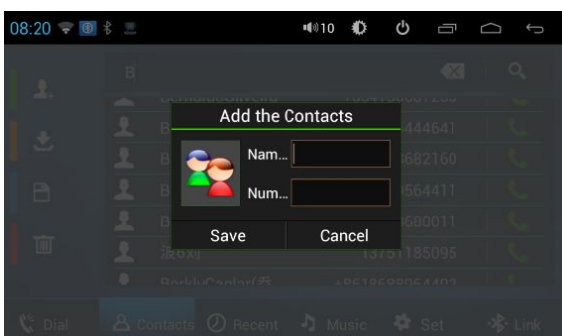
2.5.3 BT history
Customer can find call in/ call out/ missed call history here, and he call also delete phone call history

2.5.4   BT Music

 previous   Pause   stop   next
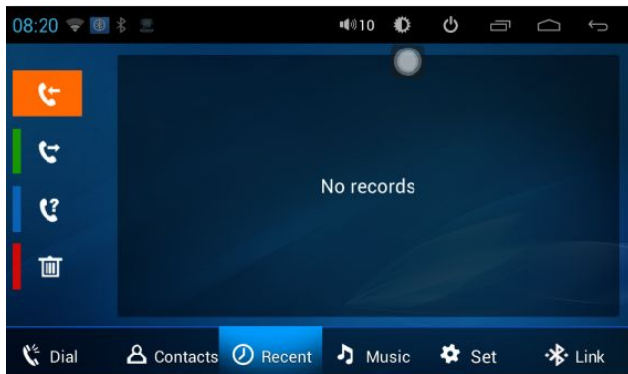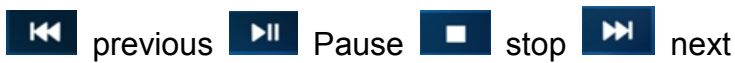
2.5.5 BT set

Customer can set BT device name and password in this menu.

  click on to receive phone call automatically.

If choose 10 sec, then the phone call will be automatically picked up after ringing for 10 sec.

BT reset: if the BT is not working properly, customer may try to reset the BT function.
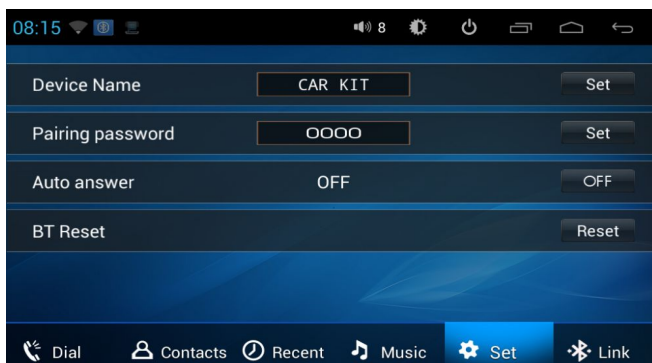
2.6   3G Application

2.6.1 Please refer to your supplier for 3G modem compatible list.

2.6.2 If the 3G modem is compatible with unit, then 3G network will work automatically.

2.7   WLAN: Click Setting in menu to enter Wifi setting

2.7.1 Turn on WI-FI in setting

2.7.2Click   to search for wifi signal.

2.7.3 choose the internet and enter password.
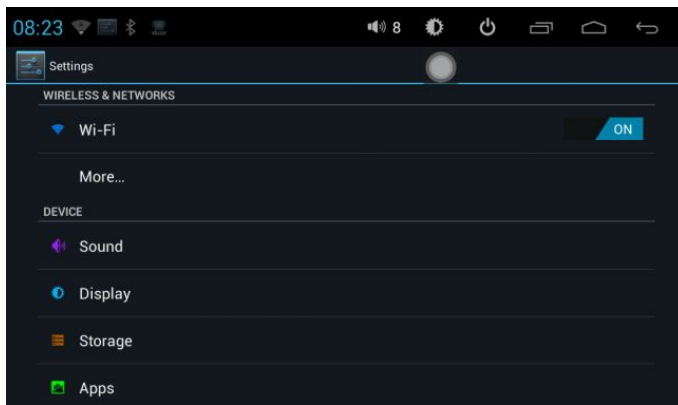
2.8 Multimedia

The unit support 3 way USB function, customer can play Video, music by USB.

2.8.1 Equalizer

Equalizer settings interface is divided into two functions: namely, equalizer and sound field settings function.
① In the equalizer settings interface provides 7 kinds of audio playback mode choose:
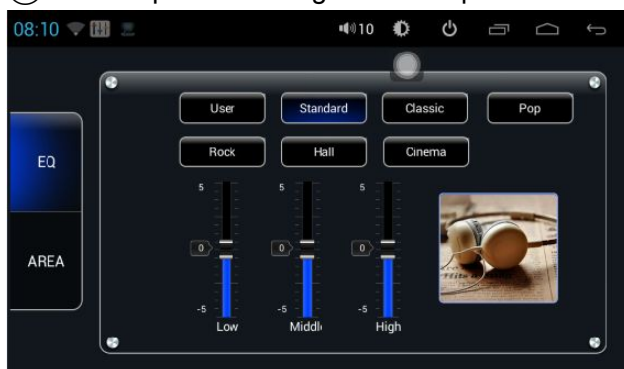
②The user can choose speaker postion on the front left, front ,right, left, right after the four angularly audio settings, as shown below:
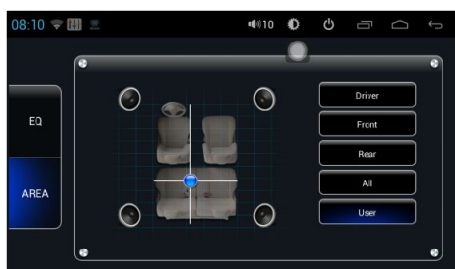
If Customer need to further adjust system volume, please refer to your supplier for Volume setting in factory setting mode.(kindly refer to your supplier for password)
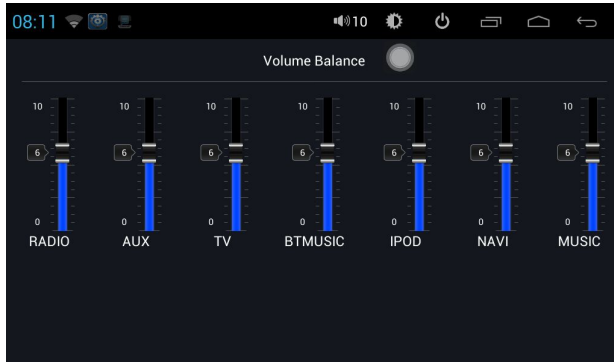
2.8.2 Music Player

Customer can choose from different albums/ folders/ artist to find their favorite songs quickly.
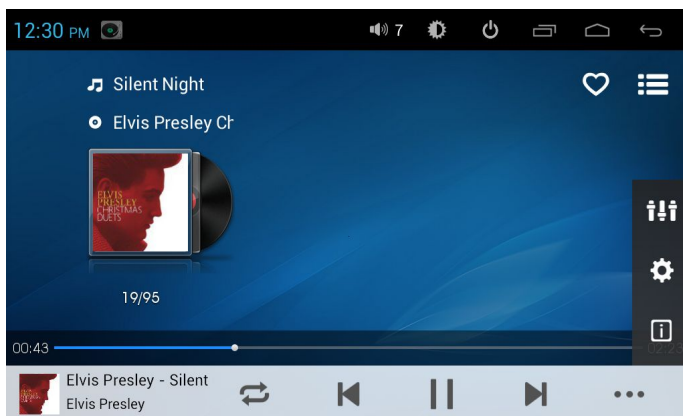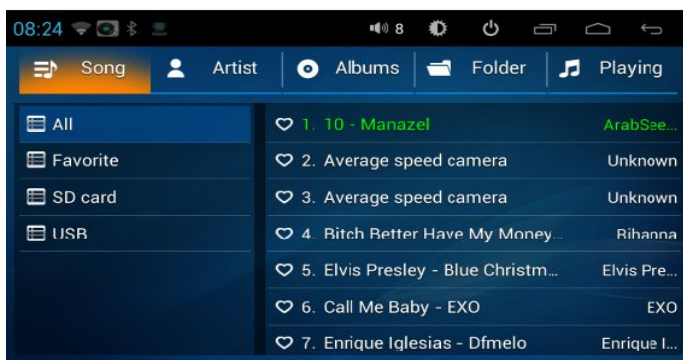
click to enter EQ setting menu.

click for property of the playing song.

2.8.3 Video Player

Customer can choose video from different USB folder
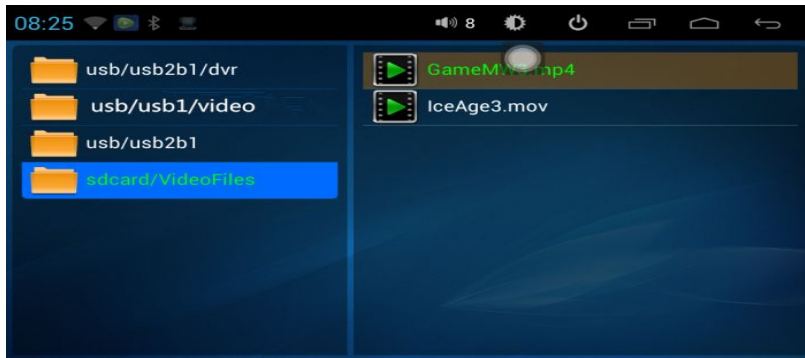
2.9 DVR

Please connect USB head DVR to our device, then click DVR in main menu and you will enter below interface for DVR operation and settings. Kindly refer to your supplier for compatible issue.
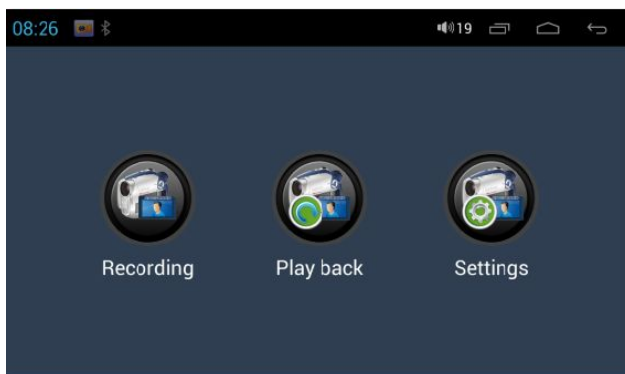
2.9.1 **Settings:** Enter setting and choose path for DVR videos before recording.

Choose USB for storage DVR recording videos

2.9.2 **Recording:** click for entering recording menu.

Click REC for start recording.

2.9.3 **Play back:** Click for play back the video

2.10 Easy link

click Easylink to enter easylink menu and connect USB cable.
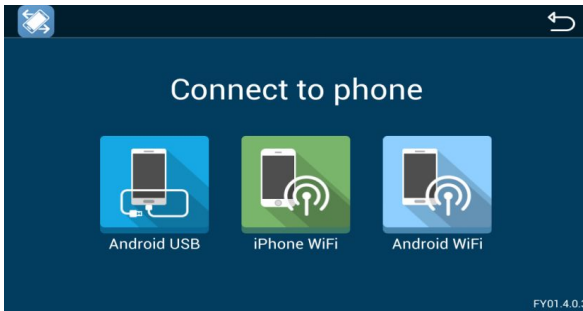
2.10.1 Android phone: support by cable connection as well as wifi connection.

Notice: Please connect Android phone via USB cable for the first time.

A) Android USB connection
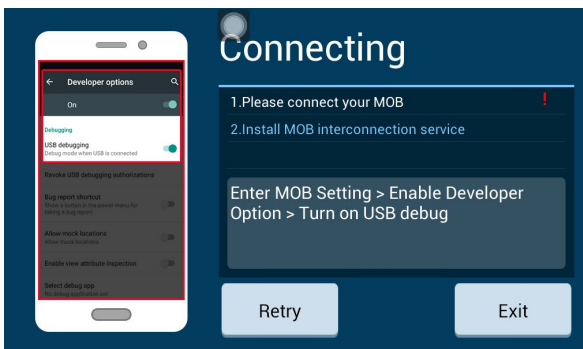
1. click Android USB.

2. Enter developer's option, turn on USB debugging in your cellphone

3. Please also turn on BT for sound transfer.

B. Android USB connection

1. Click Android Wifi, then below notice will show up.
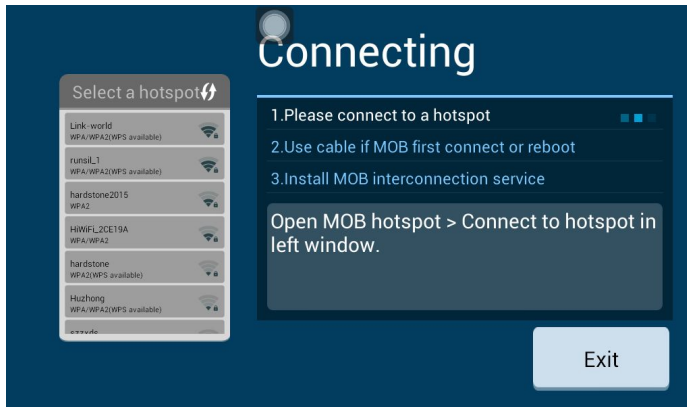
2. Turn on cellphone hotspot

3. Connect unit wifi to your cellphone hotspot

4. Install MOB interconnection service if need.

2.10.2 iPhone: support WIFI connection

1. Connect unit wifi to IPHONE hotspot

2. Click easylink, then airplay notice will show up in IPHONE

3. Turn on Airplay in cellphone.

4. Click EC-Mirror, and click on Mirror.
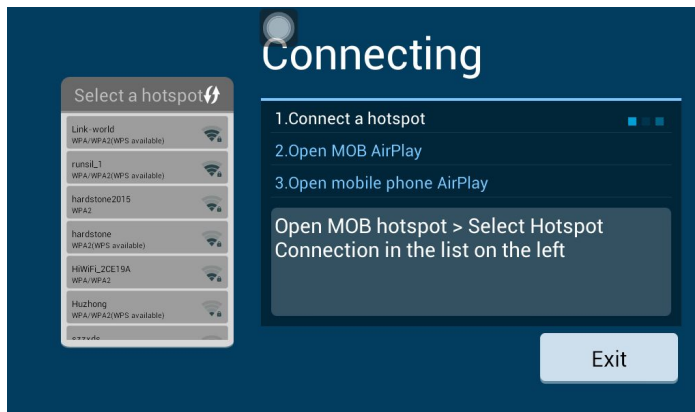
2.10.3 Please refer to your supplier for cellphone compatible and software upgrade issue

3. Firmware Upgrading

Step 1: pls uncompress the upgrading file, and copy root files into USB directly.

Step 2: connect USB to unit; then reset the unit or disconenct power cable

Step 3: after reset or reconnect power cable, the unit will read USB files automatically

Step 4: pls wait around 8 minutes for upgrading

Step 5: "Finish Upgrade，Please Remove the SD card and USB then reset" when this menu appea
then upgrading finished. Pls take off USB

Step 6: Reset unit

Remark: please refer to your local dealers for upgrading.

4.Specification

Technical Parameters:

Dual core series	
CPU	Cortex A9 Dual core, Mstar786 *2
MPU	1 G , dual core
RAM	DDR3 1Gb
ROM	8G/16G EMMC
Mirror link	easy link 4.0 two way control
VIDEO	RMVB,MKV,MOV,WMV,AVI,MPG,TS with 1080I H.264 format etc.
AUDIO	MP3,WMA,WAV,OGG,FLAC
GPS	Support GPS and Golonas
OS	Android 4.1/4.4
working Temperature	-20°C TO +70°C
OS update	USB update
APP update	USB update
Logo update	USB update
Navigation software	IGO, navitel, Sygic, navitel etc
Screen Resolution	SUPPORT HD TFT (1024*600)
Screen Size	7inch/8inch/9inch/10.1/10.2 inch
Radio	ST brand
Wifi	built in
GPRS	External (optional)3G dongle
TV(analog , digital TV)	support DVB-T2, ISDB T , DMB, Analog TV
TPMS	external (optional)
DVR	touch control (optional)
Bluetooth	A2DP and Bluetooth phone book search
Steering Wheel control	Yes
Rear view camera	yes
Power on	16S~20S, high speed turn on system
working voltage	DC12V
Operate volt range	10.8V ~16V
Max current	10A
iPod Control	optional
III control	Yes
Anti shock	Mechanical anti-shock & Electronic anti-shock
Screen Size	7inch/8inch/9inch/10.1/10.2 inch
Touch Screen	Capacitor- touch screen(multi point touch)
OSD Language	Multi language
Station Preset Qty.	18 FM, 12AM
Support RDS	Yes
Radio response bandwidth	AM: 522~1620 KHz, FM: 65~108 MHz

Specification	Working Voltage	DC 12V
	Power Supply	9.8V ~ 16V
	Max Current	
	output power	4×45W
	S/N Radio	70dB
FM	Frequency Range	87.5MHz ~ 108.0MHz
	Limit noise sensitivity S/N (-30dB	10dB
	S/N Radio(-50dB)	60dB
	Frequency Response	20Hz ~ 20KHz
AM	Frequency Range	520KHz ~ 1620KHz
	Limit noise sensitivity (SN = 20d	20dB
	S/N Radio (-50dB)	60dB
	Frequency Response	50Hz ~ 2KHz
Multimedia	Compatible Forma	/MP3/MP4/WMA/JPEG/MPG/AVI
	S/N Radio	85dB
	Dynamic Scope	95dB
	Frequency Response	20Hz ~ 20KHz(±3dB)
	Digital Audio	24bit
TV	resolution	1024×600
	Output format	16:09
	TV system	NTSC/PAL automatic identificatio
	Output	1Vpp(75Ω)
	Input	1Vpp(75Ω)
Environmen temperature	Working Temperature	-20℃ ~ +60℃
	Storage Temperature	-40℃ ~ +80℃
	Working Humidity	45% ~ 80%
	Storage Humidity	30% ~ 90%

5. Trouble shooting

Problems	Solution
No power	Replace correct fuse (15A)
	Tune voltage
	Press the Reset key to reset the system
System Crash down	use a pin to reset the unit
No sound but image	reconnect power plug
Touch screen not working	adjust to the correct angle during installation
Unable connect to the network	① check if wifi turn on
	②check if WIFI antenna in correct postion
Radio can't research channels	to check the radio antenna whether connected and have signal before use it.
Can't install applications.	① Verify that the install application suffix is named "APK"
	② Enter into Setting to select unknown sources

When the Bluetooth paired success, sometimes will be mentioned connect failed	① Some cellphones with Android system may occur this problem the first connection. Please just find the paired device in matching and then connect them once more. ② The unsuccessful connection is compatibility issues between c phone and Bluetooth. If this occurs, please check the options in pa list of your cell phone. And you will find that the setting of Bluetooth Media and Mobile Media has been turned off. Turn on them and th connection will be successful.
easylink can not be connected	①please turn on USB debugging ②cellphone not in compatible list or easylink APP has been upgraded.

6. Diagram and wire connection

WARNING

Frequengy Range:
AM 522-1620 Khz
FM 87.5-108 Mhz
OIRT 65-74.0 Mhz

+12V
DC NEGATIVE GROUD

WIRE	FUNCTION
1	Rear left audio output
2	Rear right audio output
3	Front left audio output
4	Front right audio output
5	Subwoofer output
6	Video1 output
7	Video2 output
8	Ground
9	Ground
10	Ground
11	Ground
12	Ground
13	Ground
14	Ground

WIRE	FUNCTION
1	AUX-video input
2	AUX-right audio input
3	AUX-left audio input
4	Ground
5	Ground
6	Ground

WIRE	FUNCTION
1	+12V
2	Right audio input
3	Left audio input
4	Video input
5	Ground
6	TXD
7	RXD
8	ACC

WIRE	FUNCTION
1	SWC-KEY1
2	SWC-KEY2
3	Amp control
4	ACC-output
5	SYNC speaker+
6	Battery 12V
7	Reverse detection
8	CCD-video input
9	P-ANT control
10	ACC-input
11	SYNC sperker-
12	Ground

WIRE	FUNCTION
1	USB-DM
2	USB-DP
3	USB-VCC+5V
4	USB-Ground

7. Accessory list

ACCESSORY LIST	
1. Naviceiver M.I.C. PAD-AV8	1pc
2. USB cable	1pc
3. Subwoofer cable	1pc
4. AUX IN cable	1pc
5. GPS Antenna	1pc
6. CAN bus Box	1pc
7. CAN bus cable	1pc
8. Microphone cable	1pc
9. Cable bunch (rear view camera, ACC, ...)	1pc