Head up Display
User Manual

Thank you for purchasing the Head Up Display! The User Manual will teach you how to operate the product.

Please read the User Manual before starting using the product to make sure you operate the HUD correctly.

After reading the User Manual please save it in case if you need any information later

Safety Warning

The product operates safely as a design and manufacture were given priority in development. To avoid any potential risks, please follow the instructions when you are going to install, operating and cleaning the product.

● Before using the product, please read and understand all instructions, and save all instructions as they may be useful in the future.

● You are required to follow all warning instructions for the product.

▼ Do not use water or any chemical products to soak the console and sensor for cleaning.

▼ When cleaning, please use a piece of smooth cloth to clean the monitor surface.

▼ Don't touch the machine with wet hands. Stop using the product and turn off the power when you find water inside, and ask qualified mechanics to fix it.

● The product is only for assistance; driver still need be aware of all situations, and must pay Note to driving and safety.

● Please update the map software when you find out map information has not been updated and is different from the current roads.

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.   These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.   However, there is no guarantee that interference will not occur in a particular installation.   If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an

uncontrolled environment. End users must follow the specific operating

instructions for satisfying RF exposure compliance. This transmitter must not

be co⊠located or operating in conjunction with any other antenna or

transmitter.

This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Product Introduction

一、Product outline(EL-311R)

多元化顯示屏
Colorful screen

螢幕開關
Screen on/off

重新啟動按鍵
Reset botton

亮度感應器
Brightness sensor

一、Product Outline(EL-101)

麥克風口:microphone input/多元化顯示螢幕: Multiple Display Layout SCreen

Micro SD卡槽: Micro SD input / 行車記錄器影像輸入：Entering for Digital video recording

倒車鏡頭影像輸入: Entering for Reversing monitor view

二、Product features

● 4" TFT high-resolution image with multiple display layouts, information full, bright screen but does not hurt the eyes.
● Lighting sensor: automatic detection when light reaches the sensor.
● Special and newly innovative GPS built-in/ with speeding reminding.
● Blue tooth message indications.

三、Specification

Voltage	DC 12V
Storage Temperature	-40℃ ~ +85℃
Working temperature	-30℃ ~ +80℃
Current consume	Single operation 1A/ with event data record 2.5A After turning off car engine, the products current consume ≦0.13mA
311 overall size (body)	Length 122.2mm*Width111.4mm*height 29.7mm
311R overall size (body with cover)	Length146.3mm*Width116mm*Height17.2mm
101 overall size (body with cover)	Length122mm*Width187mm*Height22mm

四、Instructions for starting the Product

[Preface] Before using the product, please follow the procedures in order to sure the regular connections.

View for first power on

View of normal power on
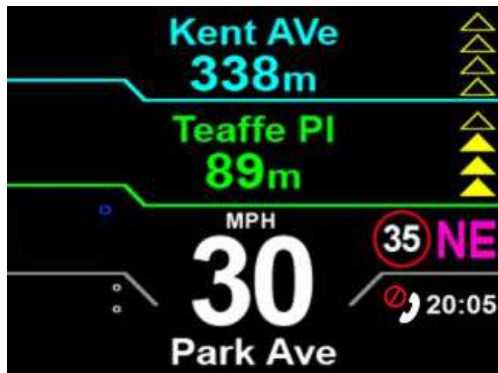
Connect Setting(Android System)

Procedure 1 Install E-where on your phone and EZ-Remote APP。E-where APP function when you are doing route planning, you can share all hot spot (scenery) to SmartHUD. EZ-Remote is an app that functions as a remote controller for the HUD monitor.

Procedure2 Open Mobile Functions : Setting > Wireless and networks > Mobil network sharing > Bluetooth

tethering (Note: Different mobile console with different text description)

9
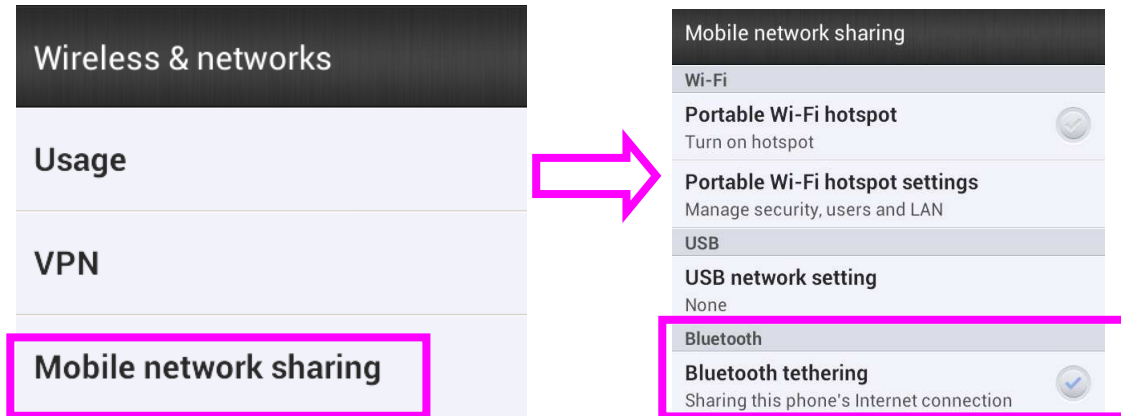
Procedure 3Enable the blue tooth function：Setting>Bluetooth>Open，Choose console equipped 「Smart HUD」，Enter password 「1234」。
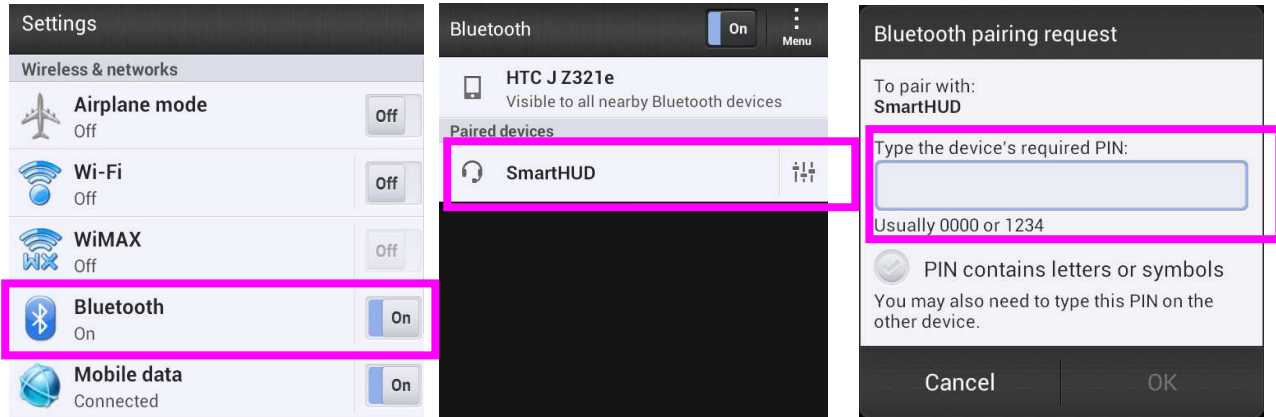
When building a connection, SmartHUD will ask for confirmation to make sure you want to give the telephone saving authorization. Please choose "yes"

Paired devices

SmartHUD
Connected

Phone book request

SmartHUD wants to access your contacts and call history. Give access to SmartHUD?

✓ Don't ask again

Cancel   OK
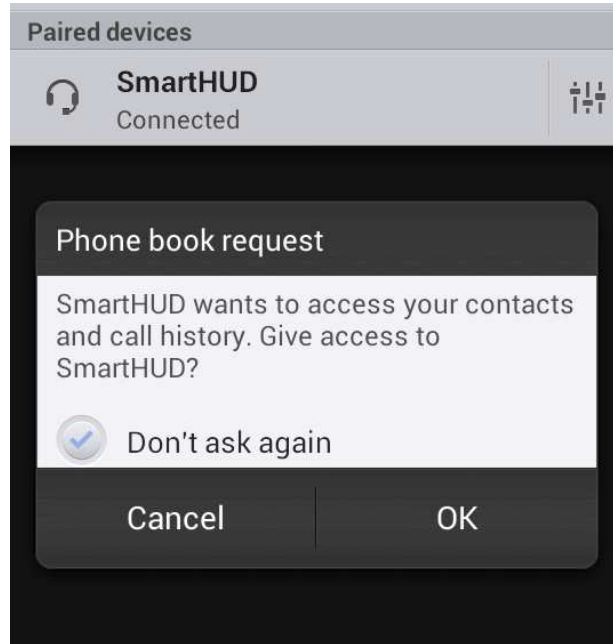
Connection Setting(iOS System)

Procedure 1 Install E-where on your phone and EZ-Remote APP。E-where APP function when you are doing route planning, you can share all hot spot (scenery) to SmartHUD. EZ-Remote is an app function its can control HUD monitor.

Procedure 2Turn on the blue tooth function：Setting>Bluetooth>Open，Choose Equipped console「Smart HUD」，entering password 「1234」。
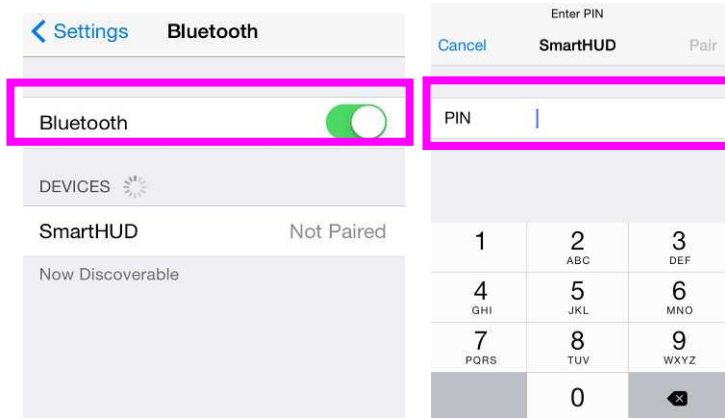
Procedure3 Enable Cellular：Settings＞Cellular >Cellular Data

Procedure 4 Enable Personal Hotspot：Settings＞Personal Hotspot＞Personal Hotspot

Note：How to make sure the PAN is connected?

　　You can get information about the Data connection or wireless base station is enabled*

from mobile phone information. Also, the bottom left will tell you the status; if

connected (no connection)→ (blue tooth connection established)→ (PAN

connection established)。
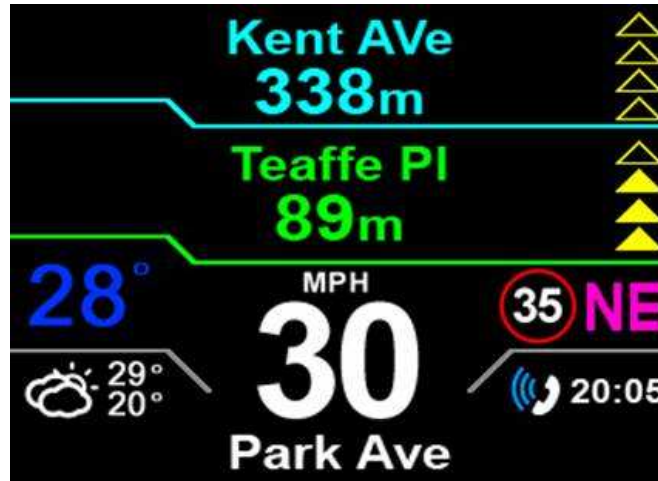
- After establishing PAN, you can enable EZ-Remote operation, press for one second and it will jump out another window, then screen down to ⊞ (as the photos followings),The gesture operation is the same as using a Mouse Mode.
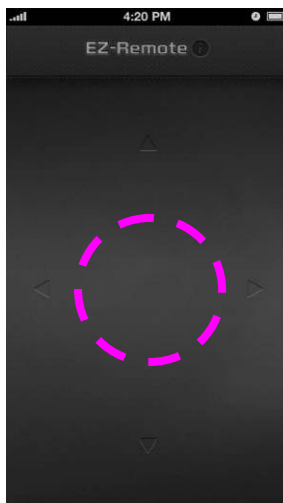
(Kinescope without action)　　(Kinescope after long press 1 sec)
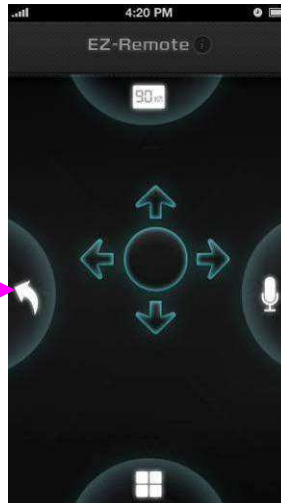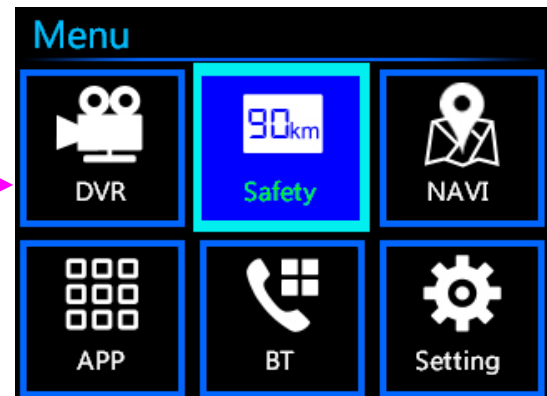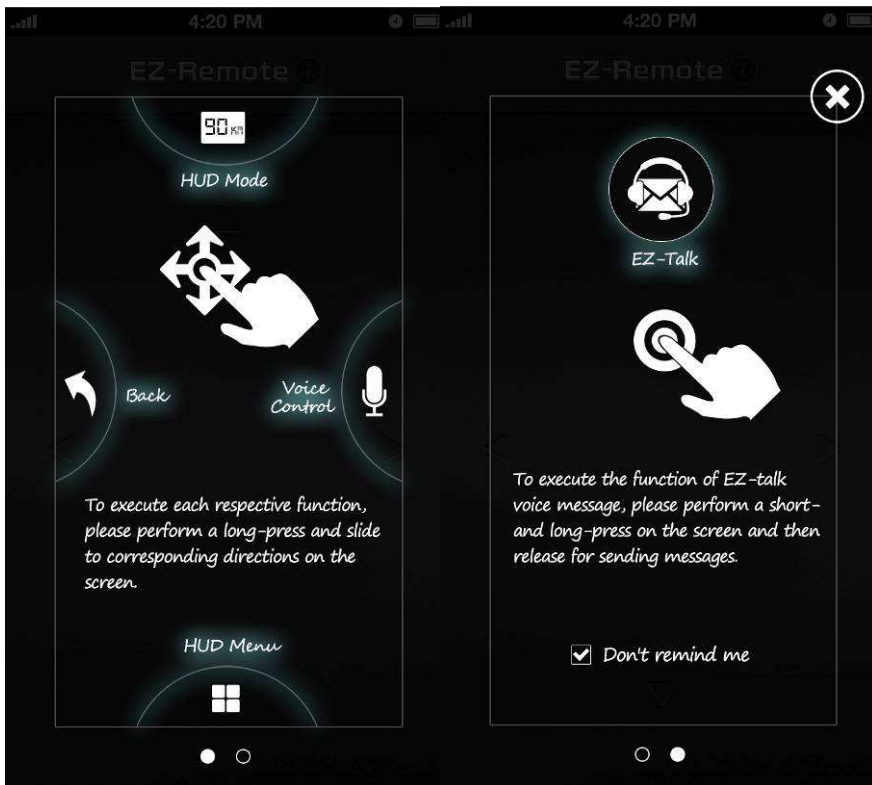
Note:

EZ-Remote will present functional teaching during first installation. Click on the EZ-Remote right side can review the functional teaching again after completing installation.

Note: When EZ-Remote is in digital video record mode or safe mode, use long press follow by a down gesture to go back the main screen, do not use go back gesture to go back to the primary links.

Knob

Operating Gesture	Display Response
1 second long press	Enter to primary links
3 seconds long press	Start voice control
Short press	Go to Enter Function
Short Press+Long press	Start EZ-Talk (program is developing)
left rotate/right rotate	Focus to left/right
Press down+ rotate left	Focus move up area

		Press down+ rotate right	Focus move down area

1. Digital Video Record(DVR)　equipped with 311 type

Select Primary links function，switch to DVR vision. Also you can use actuated button function of DVR to fast entering main menu.

HOME Button Long time press：Enter to primary links

▲ Button long press: DVR and image recognition vision switch.

▼ Button long press：IR assistance light switch (the pre-setting is open for switch for image recognition)

(Note: EZ-Remote APP cannot control DVR or related settings, must DVR console with four buttons, more details please refer to EL-660-H001 manual.

1、　Digital Video Recording(DVR)　equipped with 111 type

Select primary links function, switch to DVR screen. (The details of operating instruction please refer to EL-640-HUD1 manual.)

2.   Safety Mode

【Visual layout without route planning】

Road name of two blocks ahead

Road name of one block ahead.

Current speed limit
(Red circle will flash while speeding)

Driving Directions

Current driving speed

Current road name

Current Temperature

Highest temperature today

Lowest temperature today
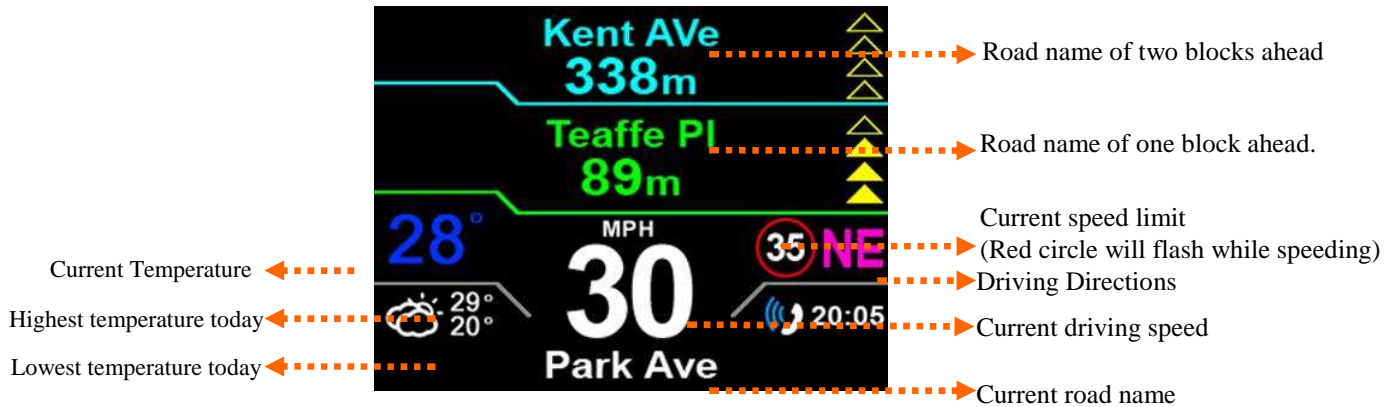
Note: The triangles in the upper right corner indicate how close you are to your destination or next direction change.   The first triangle will indicate to you at 200m to the destination.   More triangles will become colored as you near your destination or direction change starting at 200m, and following with indications at 150m, 100m and 50m to your destination.

【 Visual layout with route planning】

Name of road two sections

The distance of one block ahead → 190m

Teaffe Pl → Driving Directions

E → Driving Directions

35 → Current speed limit. Red circle will flash while speeding.

20:05

30 → Current speed limit

Distance to destination → 1005m

Park Ave → Current road name
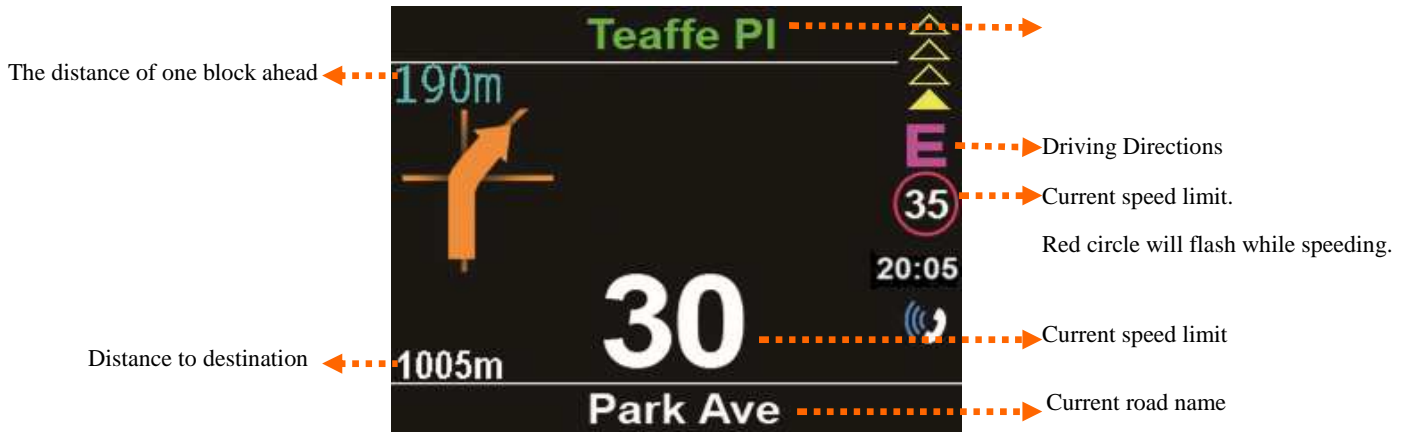
- GPS Positioning Status: This icon located at the bottom right of the main screen informs you on your GPS status and connectivity. After setting a course, if your GPS status is fully connected the GPS icon will change from ⬛ to current time. This indicates that your inputs were successful.

- After successful positioning of the vehicle in the event of an unexpected course changed, the screen will update and show your current location and direction without future directions as shown.   The screen will also show the upcoming road names. If the road information is not created in local map database, the current road name will show "off road".

23
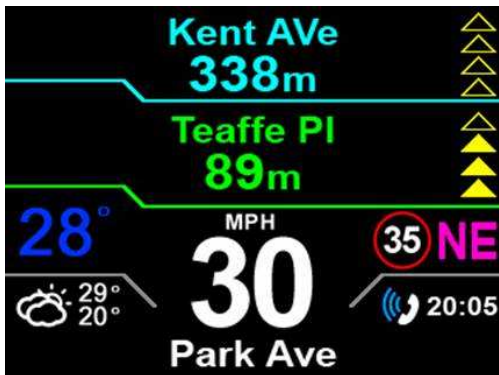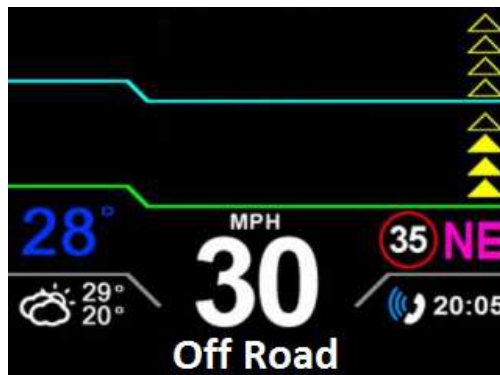
| Screen of freerun | Location at the map information can not support. |

- After setting location in route planning set-up the photo shows up as follows.
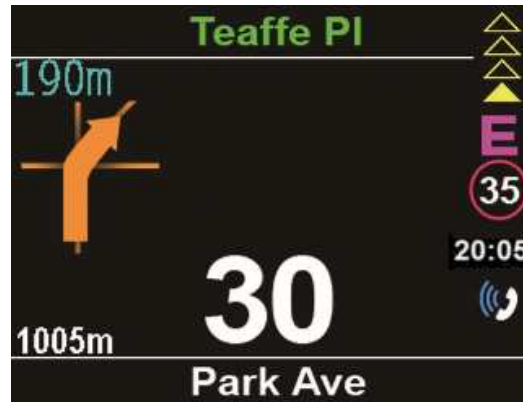
※Select equipped Digital Video Recording (DVR) add-value function

■   Without Route-planning and connected DVR layout

Distance of one section ahead

Road name of one block ahead.

Driving Directions

Current speed limit, Red circle will flash while speeding.

Current speed limit

Current Weather

Current road name

■ Route-planning and connected DVR layout

The distance of one section a head

Directions to next direction or course

Distance to Destination

Current Weather

基隆路一段

200m

1005m

28°

100

信義路四段

12:05

90

西北

Name of road one section ahead.

Driving Directions

Current speed limit, The indicator will flash when you are speeding.

Current speed limit

Current road section with road name

三、Navigation

For more details info please refer to navigation user manual.

Car Navigator
Main Menu

Find   Map   Route

- Using Google Maps to Share Scenic Areas (Android System)

Step 1: Connect to Google Map

or pick a specific scenic area with address)
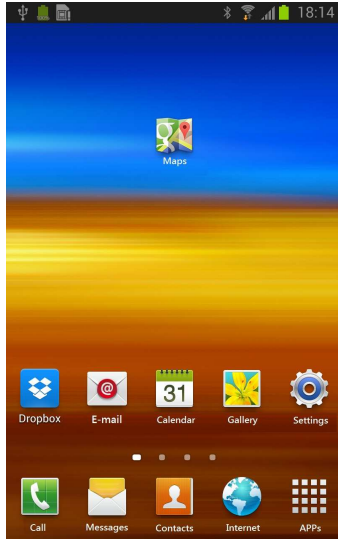
Step 2: Look for scenic area (enter address or location into the search bar

28
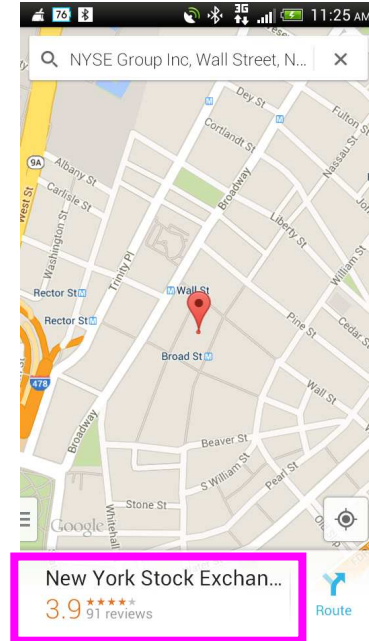
Step 3: Sharing the Scenic Area
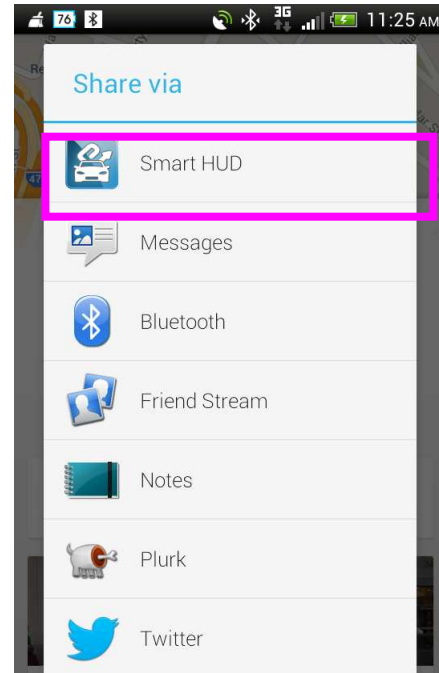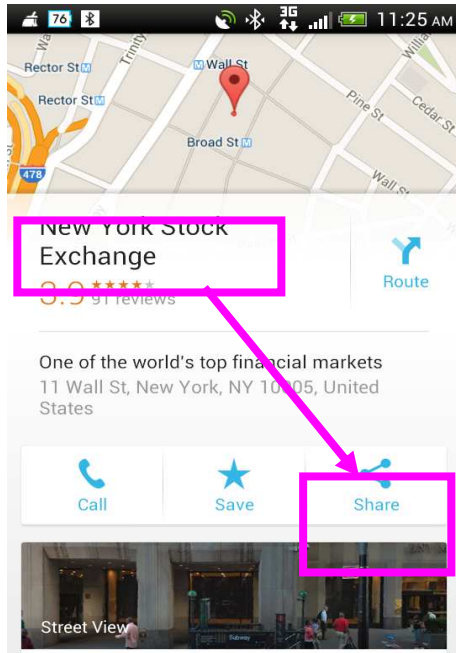
Step 4:　Sharing to Smart HUD

"Success" view
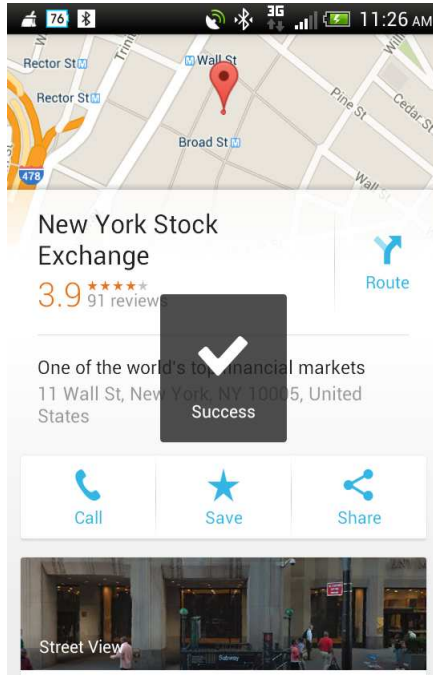
Failure view "Cannot send POI"
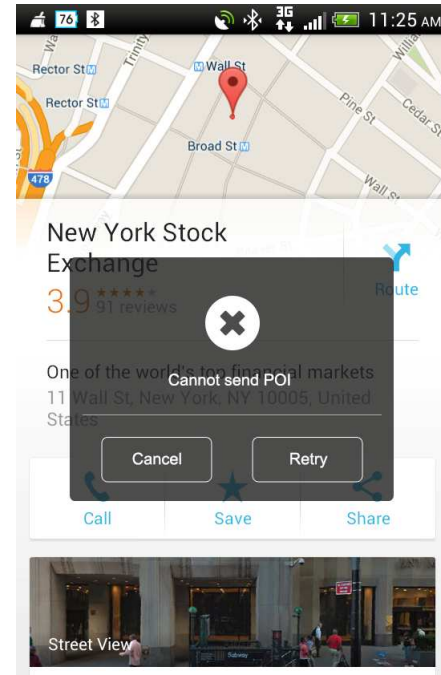
- Using Apple Maps to Share Scenic Areas (iOS System)

Step 1: connect phone E-Where

Step 2: Allow E-Where to use your current location, so you are able to continue.

31
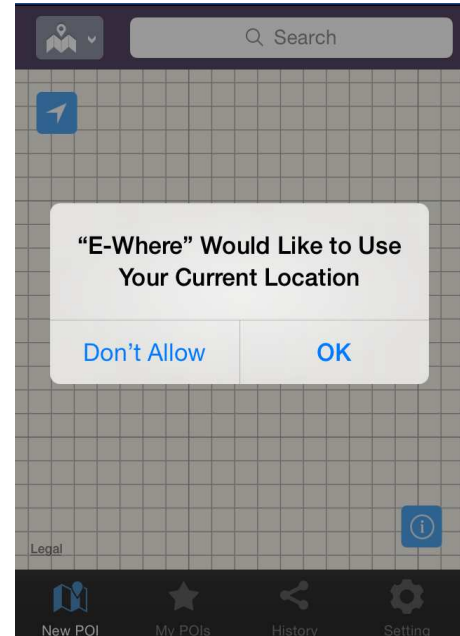
Step 3: Initial view after E-Where has accessed your current location.
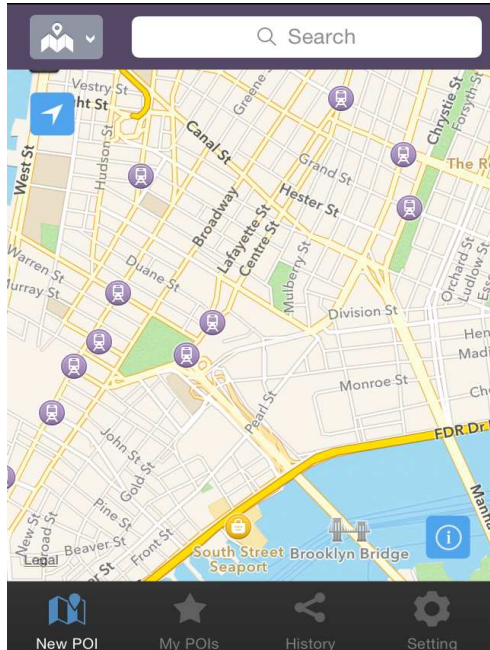
Step 4: Enter keyword in search bar using an address, click items you

need.
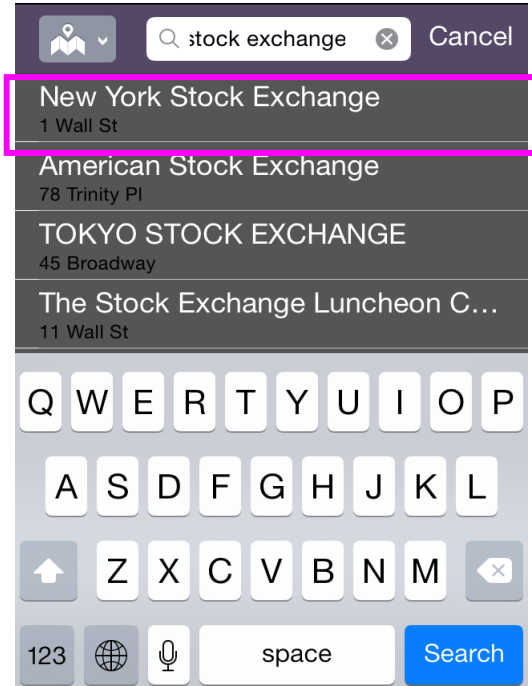
Step 5: Available for pre-view the selected

place in map. Click the address row for detail spot information.
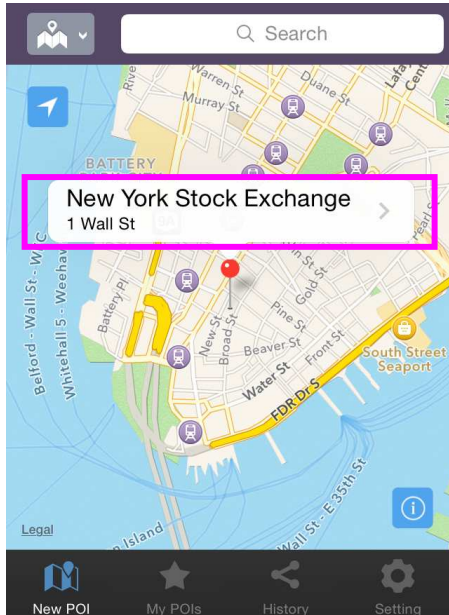
Step 6: Click the icon for sharing spot to SmartHUD.
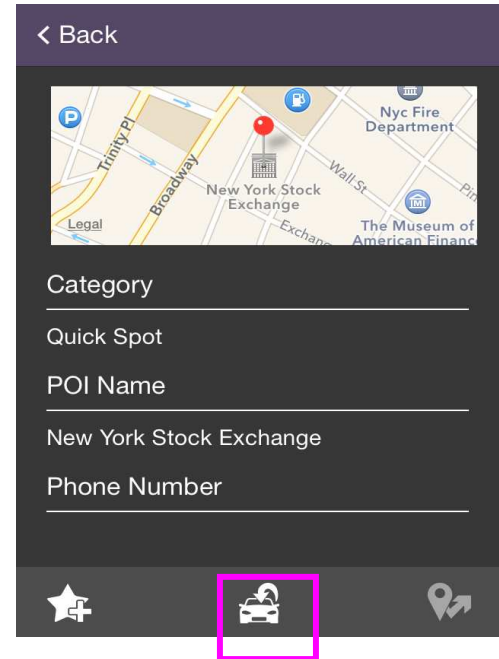
View of "Send Successully"
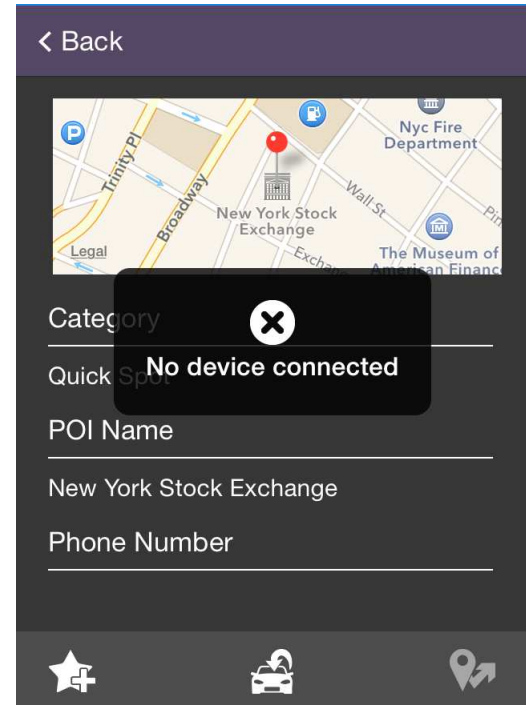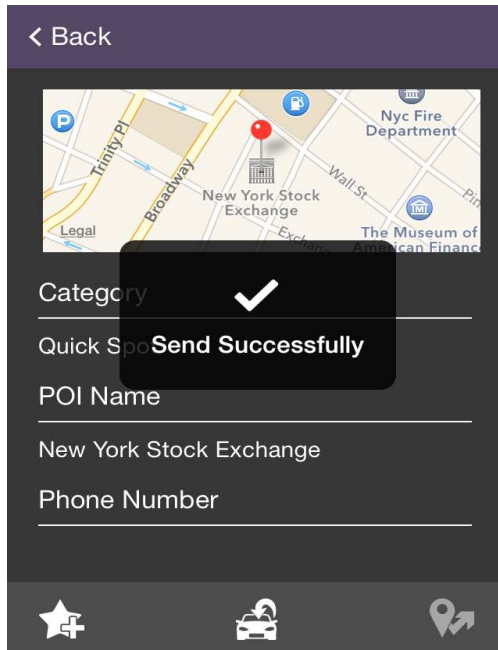
View of "No device connected".

四、Applications

- Content：
    - Weather：Resourced from Yahoo Weather
    - News：Resourced from Yahoo News
    - SD Music：Support for playing with Micro SD card MP3 and WAV music
    - EZ-Talk and calendar function are under development.
    - ⟳ ：Update
    - ↩ ：Back

APP	⟳	↩
News	▲	
Weather		
SD Music		
EZ-Talk		
Calendar	▼	

(一)Weather

Default weather information if not using GPS location is 1: Alabama city, 2: Taipei city.

For other cities information you can select [icon] to enter another city and select this city.

After the selection, you are able to set the cities you would like to display.

Alabama			
Now	Thu	Fri	Sat
🌙 3℃	⛅ 20℃ 11℃	🌧 19℃ 9℃	☀ 24℃ 10℃
1	2	☀	

Weather/City Select	
California	▲
Colorado	
Connecticut	
Delaware	
District of Columbia	▼
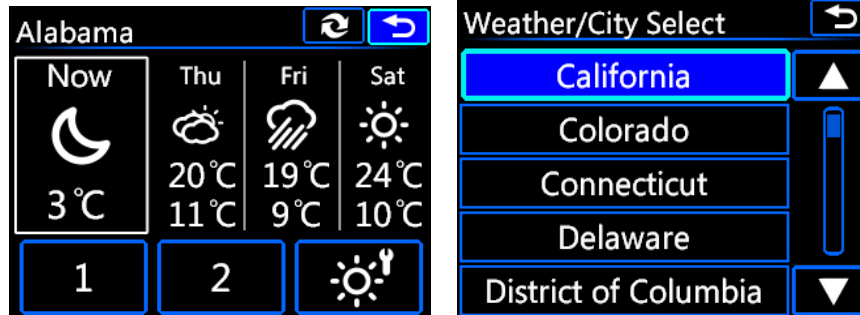
(二)News

Default setting is instant news, to switch to a different setting, click enter new page.

 ： Status – playing stopped
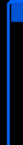
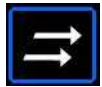 ： Status - playing

(三) SD Music

This icon go back one folder， is used to update data. The console supports play from the Micro SD slot and can read MP3 and WAV music files
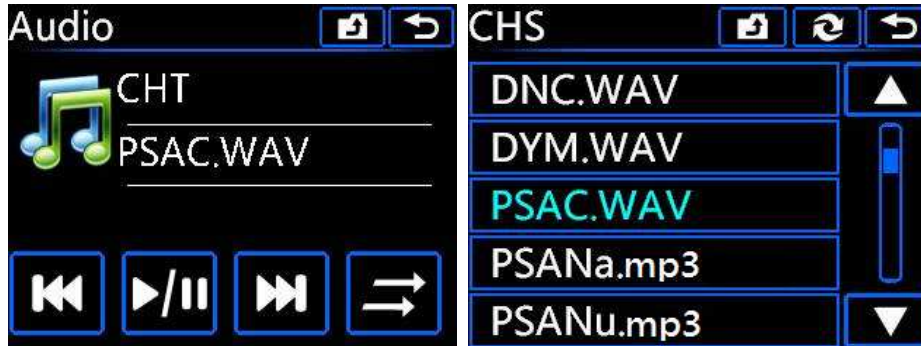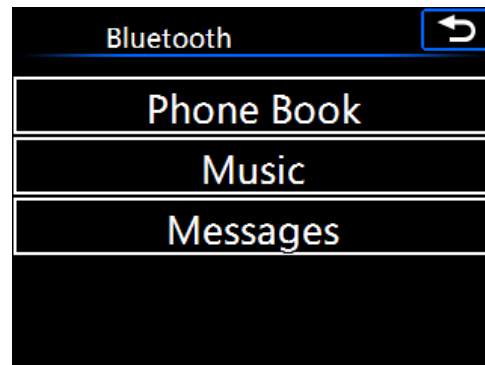
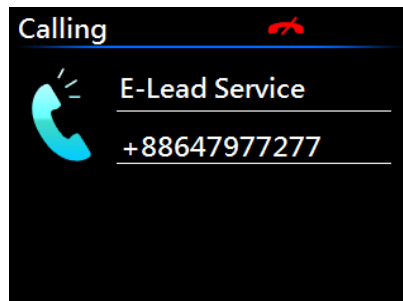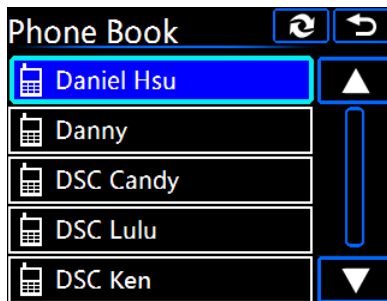 Order / All repeat / Single repeat / Random

五、Blue tooth

  Provide PhoneBook, music, message function

**Note:** iOS system is not supported for blue tooth message function.

(一) PhoneBook

  Top right of screen is [icon] , used to update your contact info to the PhoneBook.

※ **Blue tooth phone function：Please use all functions in a safe manner, navigation can use the**

updating image layout to inform you, and the default operational layout for an incoming phone call - below left photo. If phone number is not within Contact list it will be presented as unknown.   During this interim screen the console is unable to show the other functions.
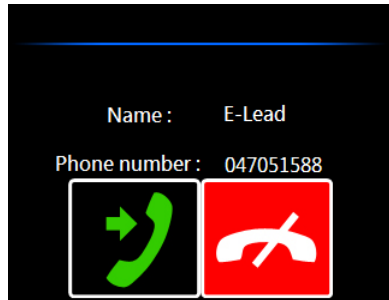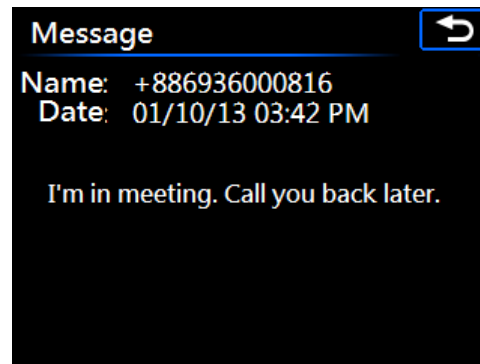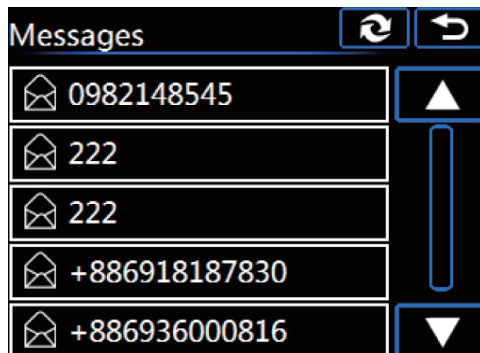

(二) Music

Provides music functions for the phone
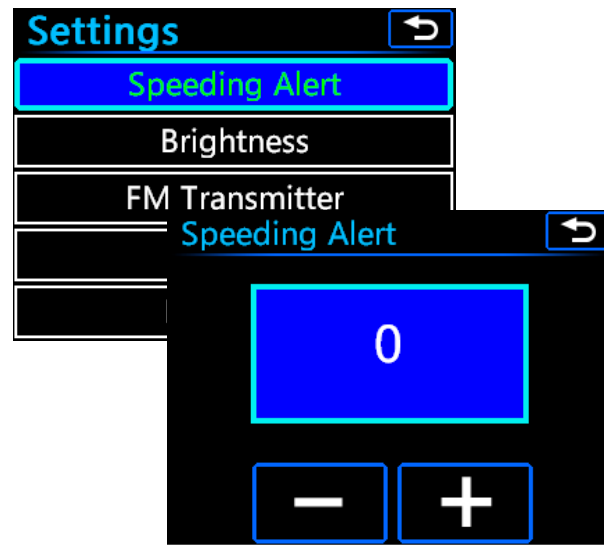
 last   /   play/pause   /   next

(三) Message

Select at top right ， updates and retrieves all new messages.

6、Setting

■ Setting Information：

Speeding Alert/Brightness/ FM
Transmitter/Volume/Language

(1)Speeding Alert

Provides a speeding reminder service using a Flashing function, and you can set the value from 0.

The setting range is 50~50. You can add or subtract 1 Use + and - .

(2)Brightness

The product auto detects outside light to automatically switch screen presentation. As personal preference you can switch by yourself, switch range is -5 to + 5. Add or subtract by 1, use + and -.
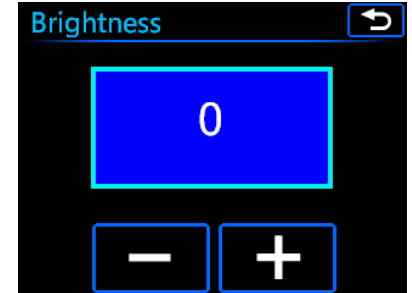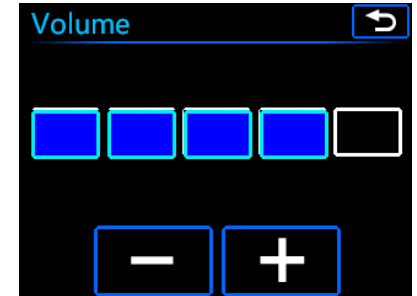

(3) FM Transmitter

The ability to use FM transmitter to listen to FM channels, using the car's video player's channels and switch to listen to HUD music signal. (FM range: 88.1-107.9M MHZ)

(4) Voice volume

Change to your personal preference. Use + and – to switch. As right photo example.

(5) Language

According your personal preference you can set the language. The console support English, Traditional Chinese and Simplified Chinese, use photo as an example.

7. Voice Recognition

Voice recognition will give you an option to say a command or cancel, speak into the
microphone to access   different functions.
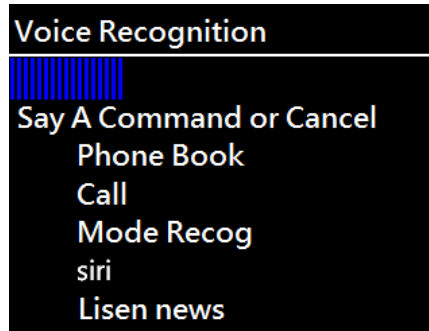
How to start voice recognition：
- ■ Knob：long press 3 seconds
- ■ EZ-Remote：long press 1 second and slide to the right
- ● After start, system will play indicated words, such as 'Say a command or cancel.

(1)Phone book

- Before using this function, please have your phone to conn[...] the phonebook page to download contact lists first, then you[...] this function. If you haven't finished connecting, then the s[...] connect the Bluetooth as indicated(example to the right)

  1. After a short beep along with indication words "please say a command or cancel", give order "phonebook".

  2. After a short beep along with indication words "say please say a name", speak any name in the contact list or cancel.

  3. After a short beep along with indication words say"Please Say Dial or Correction", give your order or cancel.

  4. Please refer to below photos for above processes.

Voice Recognition

Bluetooth not connected

Voice Recognition	Voice Recognition	Calling
Please Say A Name	E-Lead Other: +8867977277	E-Lead +8867977277
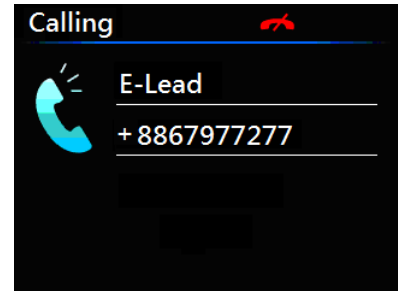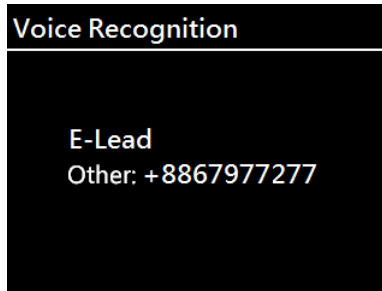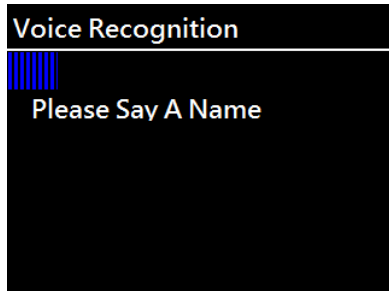
(2)Number calling

● To use this function, please have your phone to connect with Bluetooth.

 1. After a short beep along with indication words "please say a command or cancel", give order "call".

 2. After a short beep along with indication words "Please say a number", say the number clearly you want to call. Then system will show the result after recognition.

 3. After a short beep along with indication words "Please say Dial or Correction ", give your order or cancel.

 4. Please refer to below photos for above processes.
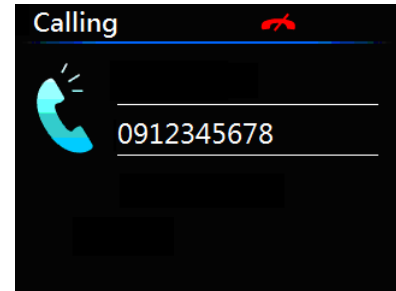
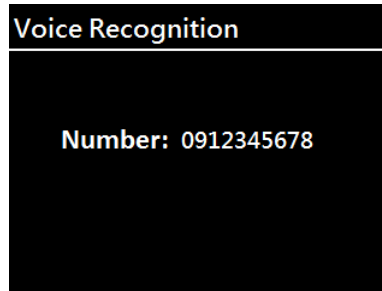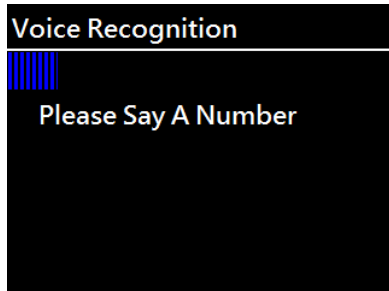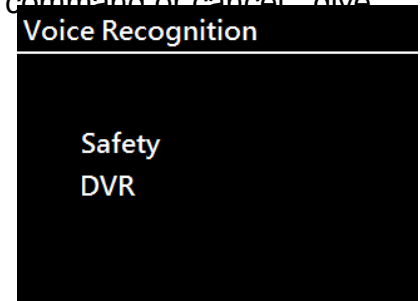(3) Mode Recog

1. After a short beep along with indication words "Please say a command or cancel", give order "mode recog".

2. After a short beep along with indication words "please say a name", give your order or cancel.

3. Say "safety", then you can access to safety mode.

4. Say "DVR", then you can enter the DVR mode.

(4) Siri

1. This function is only available for iOS systems
2. After a short beep along with indication words "please say a name", give order "Siri", then system will reach Siri functions on your smartphone.
3. Recording page as right example.

(5) Listen News

1. After a short beep along with indication words "please say a name", give order "Listen News", you will access the news page and directly start speak
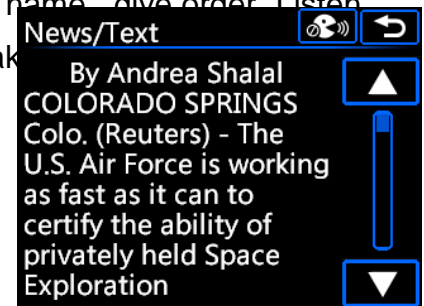
Troubleshooting

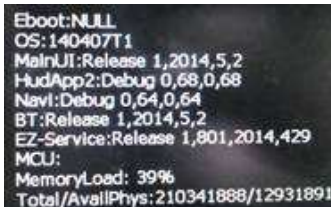Step 1：Please enter to primary links/setting /language's screen

Step2：Please practice how to use actuated button turn left move, and select a target toward to up one space gesture.

Step 3：Please practice using rotated button turn right move, then select a target to move down once space gesture.

Step4 : Continues doing the following actions:「up、up、down、down、up、down、up、down」，then you will access manual mode(as the photo below shows) and check software version。The actions may have no effect if you select an of the target options. In the procedure, you can not pause or stop for too long of time.

Please inform the Service Specialist of your version number to let them solve your problem as soon as possible.

System Programs Automatic Updates

Step1：Please put update program on a Micro SD, please notice you are not allowed to put same profile name on the same card, if you do this you be unsuccessful when updating.

Step2 : Put Micro SD card inside the console's SD card slot, And at the same time turn off your car. 。

Step3：Turn on car engine and the automatic system will begin to update, please be patient and wait for the update.　The program will alert you when you are able to remove the SD card. The console will also automatically restart after the update is complete.　　。

Step4：The preparation time before the update starts may be 1 minute.
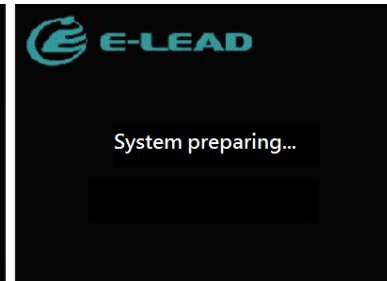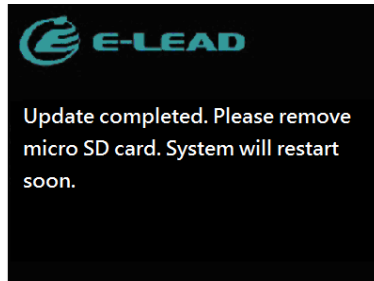
Step5 : When screen switch the normal starting layout you are able to begin using the console.