

HUD product instruction manual

Instructions before use

Welcome to use Iris head up display system !

This product is used for car only.

- Our company reserves the final interpretation to this "use manual".
- This product has any changes without prior notice. We apologize for any inconvenience caused!
- Please read carefully about the instructions manual, and use original accessories provided, in order to avoid unexpected damage. If you are not in accordance with the correct procedure to use this system or not compatible connection accessories, as a violation of the warranty of the unit, will void the warranty expire automatically, and may even endanger the safety of you and others. To this, our company does not undertake any responsibility.
- When the unit is abnormal phenomenon during the operation, please refer to the manual "Common Troubleshooting Guide" in the solution, if no solution is found, then please contact a professional service center nearby.
- when the machine is the dirt on the imaging lens and the projection lens, please wipe with a soft cloth and a neutral detergent. If use a hard cloth or alcohol wipe thinner panel will cause scratches.
- Please do not touch the screen with hard substance to avoid scratching the screen.
- The machine is composed of high precision components, please do not dismantle machine cover without authorization or adjust any parts, if really necessary please go to a professional service center to receive services nearby.
- Avoid the machine suffered a strong shock,Otherwise it will strongly impact damage mechanical structure parts of the machine.
- when the car temperature higher or lower, please adjust the temperature inside the car, and then use the machine.
- After use heater in cold weather,sometimes the imaging lens and the projection lens dirty condensation (water),in this case use a clean soft cloth to wipe, after the dew remove can normal use.
- Please follow the instruction manual operating the machine, illegal operation damage is beyond the scope of the warranty.
- Due to the rapid development of transportation construction,navigation electronic map data may not in conformity with the real traffic instructions,please be sure to comply with the present status of road traffic rules.
- Software update and upgrade information will be announced in our company website,

customers can decide whether to update or upgrade.

- The pictures in this manual are for reference only, please in kind prevail.
- This manual is written by Beijing Xiao He Technology Co., all copyright infringement.
- Company registered upgrade website :<http://www.irishud.com.cn/>

Directory

Product overview

Product introduction

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Basic operation of the machine

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- Imaging lens angle adjustment method,picture opening and closing method
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- Image adjustment method

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Failure might think:

- Common problems and solutions (see table)

Product description

HUD product introduction

Iris HaDe head-up display system is based on HUD head-up display device, driving APP, OBD module trinity of an innovative automotive driver assistance products, address the current mainstream mobile navigation needs line of sight caused by traffic safety issues that may affect, enhanced interaction of people and car. The HUD displayed the traffic information on the oversized screen 3m far from driver 's front sight, then the driver can clearly see traffic information without changing the line of sight. Driving APP can Support the use of looked up and display equipment, support iOS and Android operating systems, integrated navigation, on-board diagnostic system (OBD), telephone, SMS, WeChat data processing and other functions.

The embedded system based on ARM processor with high performance, low power consumption

- Use less power, low-latency, long distance connection Bluetooth 4.0 communication
- Using micro laser scanning projection of new imaging method, high resolution, long service life, low energy consumption
- Main body exterior adopts arc design, rounded and smooth with aesthetic feeling

Product packaging

HUD inside the box contains the following items, please check it:

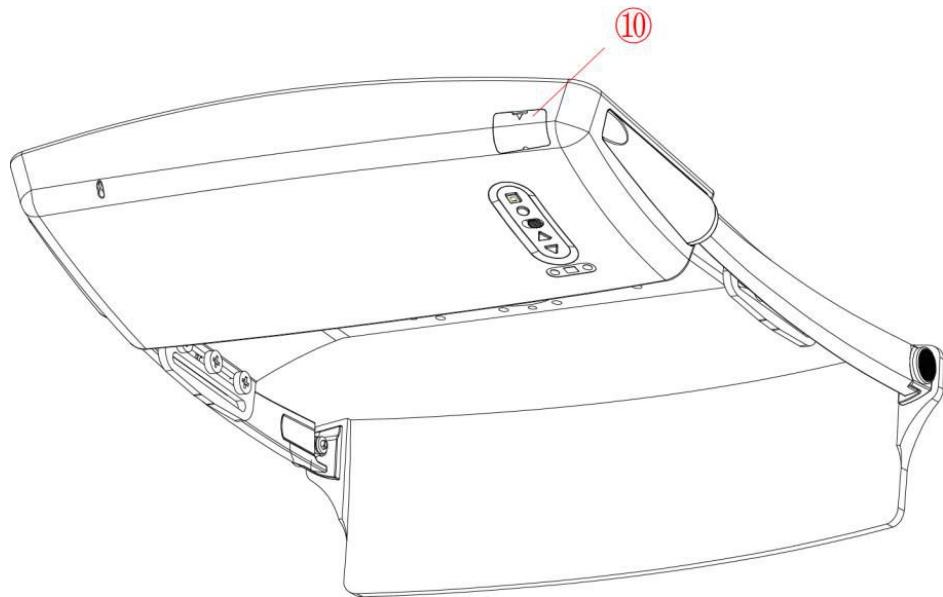
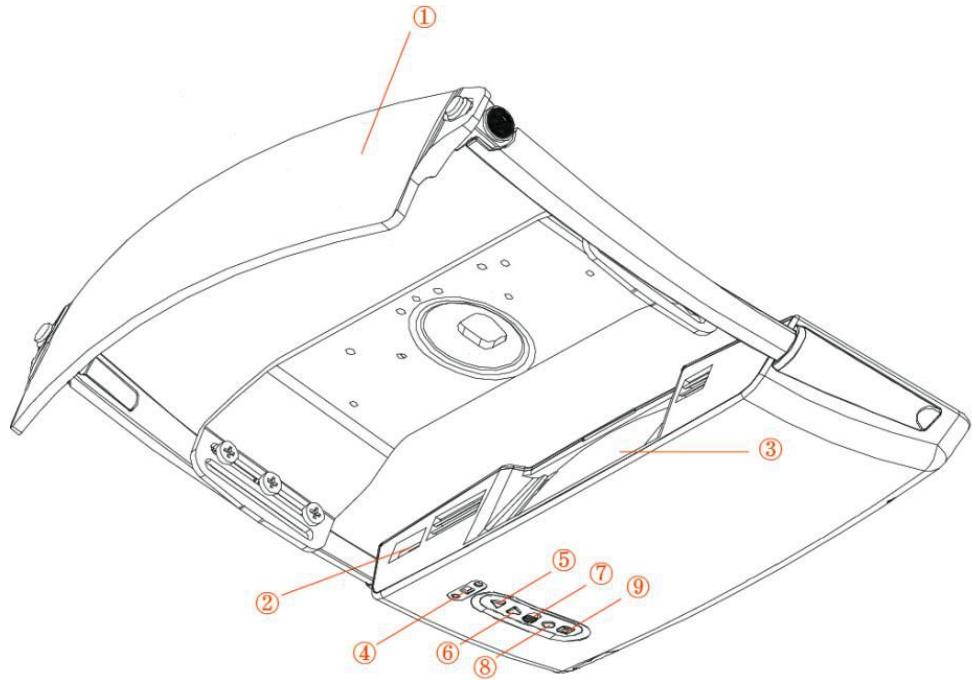
1. Host
2. Vehicle Holder
3. Power adapter cable
4. Product Manual

Items listed above, please prevail in kind. The article has any defects, please contact dealer or agent as soon as possible.

Basic Operations

The basic operation of the machine

- Part name and functions



Body schematic view

① Imaging Lens

All projection from the lens out of the car navigation information and foreground objects overlaid;

② Power supply terminals

Connect the power supply jack;

③ Lens combination

All navigation information through this lens onto the imaging lens;

④ Gesture sensing window

Every program needs gesture interaction under this window;

⑤ Volume Up button

Bluetooth voice raised button;

⑥ volume down button

Bluetooth voice down buttons;

⑦ Voice Bluetooth switch button

Host voice Bluetooth switch;

⑧ Off screen button

The lens screen close button;

⑨ Reset button

Host Resets button;

⑩ TF card socket

Firmware upgrade TF card slot;

● **remote control and method of use (parts, non-body part)**

Remote control in the car or ofixed on the steering wheel, No need pairing, boot can be used, specific keys function please refer to the manual.

● **Power Considerations**

This machine is used with a voltage of 12V negative ground auto battery system, do not install this unit directly to the 24V battery on a truck or bus.

● **TF card slot using method**

1. TF card metal side up insert the TF card to move forward, then release, TF card slightly back and lock into the slot;

2. Remove the TF card, the first card is pushed forward (so that the card to unlock), then release, the card will exit slot, the card can be removed (Note: Do not use excessive force when pressed, to prevent card ejector falling on the ground)

● **TF card slot upgrade method**

1. Confirm the TF card slot inside the TF card;
2. Press the off-screen key and then press the reset button;
3. Observation Reset key indicator, blinking means that the upgrade is in progress, the indicator stops blinking after firmware upgrade is complete;
4. After the upgrade, if only to upgrade the firmware, the system will automatically restart without human intervention; if upgrading UI interface, you need to manually press the reset button to restart the machine;

Note: TF card slot role is to upgrade the firmware, please keep the slot clean, non-upgrade process, do not open to prevent debris to enter, affect the circuit system.

● Imaging lens angle adjustment method

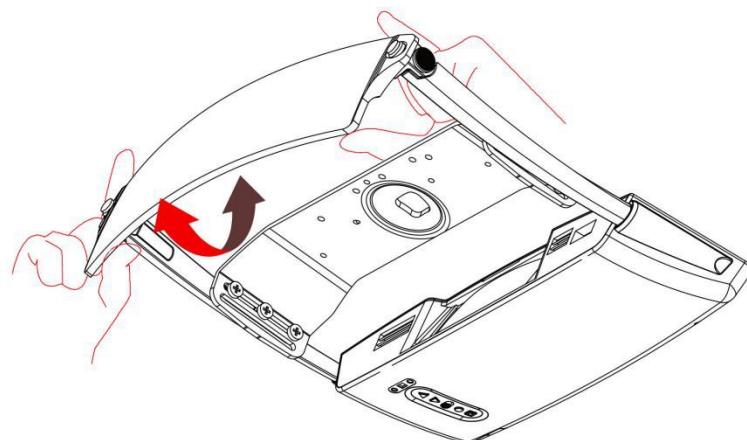


Illustration of the Adjustment

1. In the operation of the machine, according to your normal driving habits seating;
2. View the same as the normal driving condition, as shown in the lens to adjust to the best state of projection (observing traffic information, don't have to look up or down);

Note: Do not adjust during driving,to avoid causing accidents.

● Bluetooth Firmware upgrade

1. Make sure there is no TF card in TF card slot;
2. Press the off-screen key and then press the reset button;
3. Mobile phone download NRF toolbox APP, search using DFU tool NRF toolbox APP within the select device, find IRISDfu Bluetooth;

4. Click to select file tab, select USER FILES, select application.zip inside;
5. Click to select file type tab, select the application inside ;
6. Upload label turns blue now;
7. Click Upload, there will be a progress bar, after completion point OK to complete the upgrade;
8. Check Bluetooth, the Bluetooth name will appear IRIS_HUD ,can be properly connected;

Note: This APP need to download in apply each store or the Android Market , Apple phone you need to install version V2.0 or above, Android phones need to install V1.2 or later versions of APP; if no need to upgrade Bluetooth, do not download this APP.

- **Image adjustment method**

1. Press and hold both volume keys into adjustment mode;
2. adjustment method will be displayed on the screen after entering the adjustment screen , press the up volume key to adjust the image position up, press the down volume key image position can be adjusted downward,Press the off-screen button (main schematic view ⑧) to switch the image orientation (observe red mark), can be adjusted horizontally or vertically;
3. After adjustment to the best position, holding both volume keys and return to the main interface;

UI introduction

UI display clarity, three main interface can be switched, in addition to integrated traffic information, but also increase the current mobile phones indispensable functions: such as incoming calls, text messages, micro letter, QQ, etc;

Call display interface:

- A. Telephone Answering: Hand swing under the gesture sensing window from left to right**
- B. Hanging up the phone: Hand swing under the gesture sensing window waving back and forth (slightly to the right to stay for about half a second and then waved to the left, the action is not too fast, so as to avoid false positives)**
- C. After answering hang up: Hand swing under the gesture sensing window from left to right**

PS: To answer the call using the gesture control functions are advised to ensure Iris_Voice Bluetooth phone connection is normal; if not need to control, do not connect to this Bluetooth device;

SMS interface:

A open SMS: Hand swing under the gesture sensing window from left to right

B. Close SMS: Hand swing under the gesture sensing window from left to right

Note: the micro letter, QQ, ali wangwang, display and operation same as above.

Fault and help

common problem:

Problem Description	Causes and Solutions
No power input, can not boot	<p>Q: do not start the engine A: the location of the keys at least to the ACC</p> <p>Q: The Power adapter cable is not properly connected A: Read the installation instructions carefully, make sure the power adapter cable OBD interface to the correct connection</p>
No display	<p>Q: Display turned off A: 1 in boot mode, press the Off button to turn on or off the display screen; 2. Press the reset in boot</p> <p>Q: imaging lens angle deviation A: adjust the angle of the imaging lens, carefully read the installation instructions for the use of environmentally adjusted according to the angle</p>
Images appear black spots	<p>Q: the projection lens or imaging lens with dirt or dust A: re-wipe with a clean cloth until the mirror no black spots</p>
Unable to connect the bluetooth	<p>Q: Bluetooth is not turned on A: Enter the phone setting open Bluetooth</p> <p>Q: the machine and mobile phone connection process affected by external environment, unable to connect successfully</p>

	<p>A: 1 mobile phone network needs to ensure open, because the first time there will be a certification process connection;</p> <p>2. Exit APP, Android phones need to completely exit the program, Android phone take a little longer to connect;</p> <p>3. The connection fails repeatedly, press the reset button, and reconnect it;</p>
HUD firmware upgrade failure	<p>Q: Pull out TF card during version upgrade</p> <p>A: Confirm the upgrade file on the TF card root directory and the file name has not been modified</p>
	<p>Q: turn off the engine during upgrade</p> <p>A: Open the engine, and then update until the update is completed, shut off the engine before</p>
APP does not work properly	<p>Q: software runs error</p> <p>A: Please completely exit APP, reopen</p> <p>Q: not the latest version of the APP</p> <p>A: Please update the APP in the connected network conditions</p>

Version: 1.0

Note:

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the 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.