

## DVR-410AUTO



### Mobile DVR

Quick User's Guide

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## Important Safeguard and Warnings

### **Warning**

To prevent fire or electric shock, do not expose this appliance to rain or moisture.

To prevent fire, electric shock or disturbance, please always use the accessories provided here or recommended by the manufacture.

The purpose of this information is to ensure proper use of this product to prevent danger or property damage to the user or other persons.

- The precautions are divided into “warning” and “caution” as distinguished below.



**Warning** There is a potential risk of death or serious injury.



**Caution** There is a potential risk of injury or damage to the property.

- Please follow the instructions strictly (For example only)



The operation listed here shall be forbidden



The operation listed here is compulsive.

### **Warning**

**Do not use the safety components to install the device or operate cable layout**



Do not use the bolt, screw or other safety components from the wheel or arrester. Please follow the instructions here to use the components provided in the accessories bag.

**Installation and cable layout shall be done by the professional engineers.**



The device installation and cable layout need professional techniques and expertise. For security reasons, please contact your local retailer for installation and cable layout

**Ask professional engineers to replace the fuse.**



Please contact your local retailer to replace or dispose the fuse. Non-customized fuse may result in fire, smoke or malfunction.

**Do not attempt to disassemble or modify the device.**



Unauthorized disassemble, modification or unplug the power cable to the other circuitry may result in smoke, fire, electronic shock or malfunction.

**Do remember tearing off the negative pole (-) of the binding post battery when implement the cable layout.**



Improperly cable layout may result in electric shock, personnel injury or fire.

**For 12-48V (-) DC earthed vehicle only**



The device is for 12-48V (-) DC earthed vehicle only. Improperly use may cause short-circuitry resulting in fire or malfunction.

### **Stop running when there is malfunction or abnormal phenomenon**



When there is abnormal phenomenon such as smoke, rare smell, there is a possibility of fire or electronic shock. Please stop running immediately and contact your local retailer ASAP.

### **Do not allow other objects falling into the internal device**



If metal objects, explosive or flammable objects falling into the external device, it may cause short-circuitry resulting in heat, fire, electronic shock or malfunction.

Especially for children.

### **Do not allow the water falling into the device**



When there is water falling into the device, it may cause short-circuitry resulting in heat, fire, electronic shock or malfunction. Do not allow the water falling into the device when washing the vehicle or it is raining.

### **Properly dispose the cable in case it hinders the driving or passengers from going up down the vehicle.**

If the cable hinders the driving or passengers from going up down the vehicle, it may result in accident or personnel injury.

Stop using the cable when it is broken. Otherwise it may result in short-circuitry causing fire or malfunction



- Do not allow the cable to be broken, excessive pull, folder, bent out, turning, and unauthorized process or keep it near the heater. Do not place heavy objects on the cable.
- Properly twist the cable and then fix it in case it jams the vehicle, snail or the moving object such as the slider of the chair.
- Properly twist the cable in case it tangles the wheel, handle, arrester footplate or foot.

### **Properly use the battery**



Improper use battery may result in heat, fire, personal injury or malfunction.

- Before insert the battery please check the positive pole (+) and negative pole (-).
- Always use the battery model recommended by the manufacturer.
- Replace the battery regularly;
- Take out the battery from the remote control if you do not use it for a long time.
- Use adhesive plaster or place battery into the plastic bag to insulate when discarding or preserving the battery.
- Avoid short-circuiting or trying to disassemble it, put it into the water or fire, or contact the metal objects
- Do not place the battery or remote control near the heat environment such as the locked vehicle, trunk, or under direct sunlight
- Put it away from the children. Go to your local hospital for help if children have swallowed the battery.

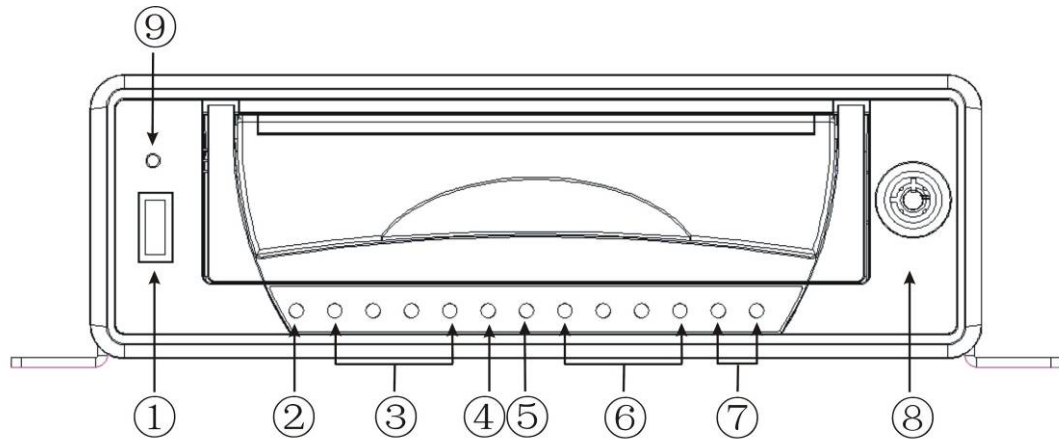
**When discarded the battery please follow your local processes measure.**

### **★ Emergency measure**

**For personnel and property safety, you can turn off the power and then go to your local retailer for help when the above mentioned situation occurred.**

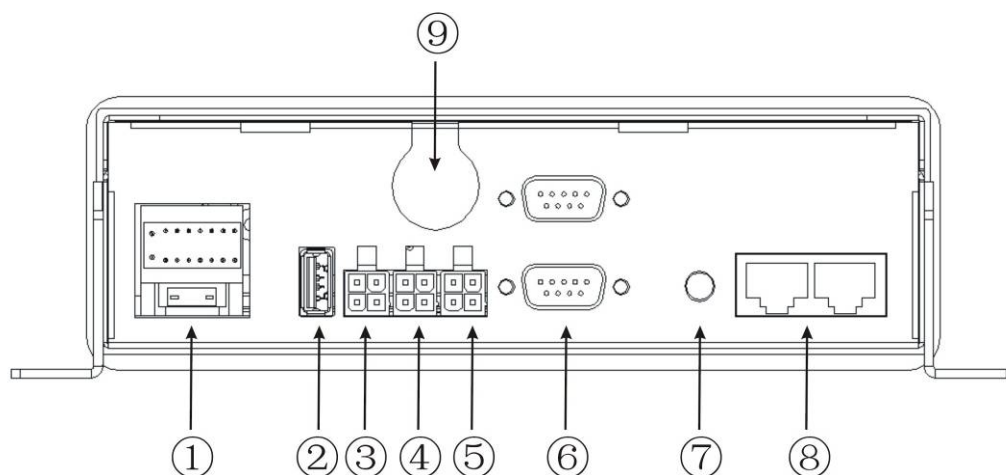
# 1. Panel Name and Function

## Front Panel



- ① USB2.0 port
- ② Power indication light
- ③ 1-4-ch recording status indication light. It is on when device is working properly, it becomes flash when there is abnormal situation.
- ④ Backup indication light
- ⑤ Upgrade indication light
- ⑥ 1-4-ch alarm input indication light. It becomes on when there is an alarm.
- ⑦ 2-ch alarm output indication lights. It becomes on when there is alarm output.
- ⑧ Door key
- ⑨ IR remote receiver

## Rear Panel



- ① 16-pin cable port, fuse socket
- ② USB2.0 port
- ③ Alarm input port
- ④ IR extended cable receiver port
- ⑤ Power control output and alternative battery detection port
- ⑥ RS232 port
- ⑦ GPS antenna (optional)
- ⑧ RJ45 Network port
- ⑨ Audio input/output port & video input/output port



## **Precaution Measures**

### **Washing the vehicle**

Do not expose this device to the moisture or water. It may result in short-circuitry, fire or malfunction.

### **Installation**

Do not place it under direct sunlight and please guarantee proper ventilation.



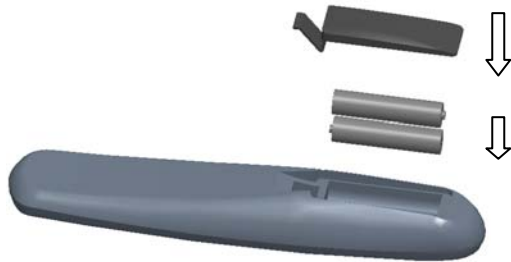
**This device is for plane installation only.**

### **Use proper power**

This device needs 12-48V DC negative earthed accumulator to provide power

## 2. Remote Control

- ① Remove the rear cover.
- ② Place the 7# battery into the slot. Please check the positive pole and negative pole symbol first.
- ③ Place the rear cover back.



### About battery

Do not attempt to disassemble the battery or short-circuitry. Do not drop it into the fire.

Keep it away the children in case there is an accident.





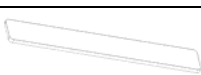



Please follow your local battery process measures.

**Note: improperly battery use may cause heat explosive, burning resulting in personal injury or fire.**

### 3. Installation

#### Accessories List

Please check the accessories in the package with the sheet listed below.  
Contact your local retailer ASAP if something is missing or damaged in the package.

No.	Name	Icon	Quantity
①	Installation bracket		2
②	16-pin connection cable		1
③	M5*20 self—tapping screw truss phil		4
④	7# battery		2
⑤	Installation foot mat		2
⑥	Fuse		1
⑦	Cable hole		2
⑧	M3×6 compound screw(black )		8

#### Safeguarding during the installation

**The device shall be installed by qualified engineer.**

- 1、 Use (vehicle) 12-48V DC battery. Negative pole earthed.
- 2、 Improper cable connection may result in device damage.
- 3、 Be aware of short-circuitry during the cable layout
- 4、 Before connect it to power please make sure all cable layout are done.
- 5、 Please securely lock all cable connection after finishing device installation steps.
- 6、 Please carefully read device installation manual and user's manual before you begin the installation operation.

**Note: please wear the glove in case there is personnel injury during the installation.**

#### Please keep it upward during the transportation

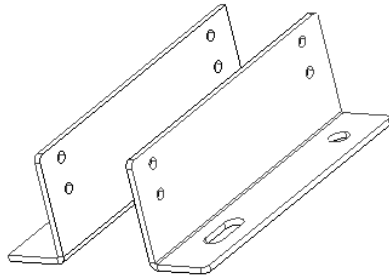


禁止

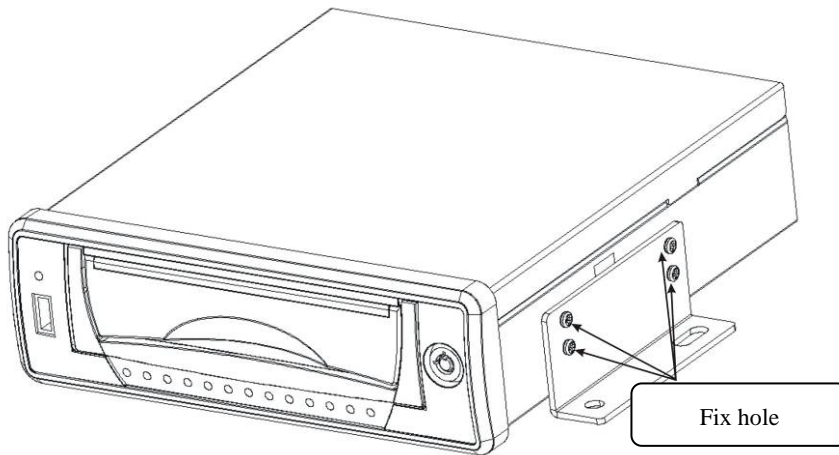
During the device transportation, do not keep it upside down otherwise the HDD box may fall down if it is not properly locked.

## Installation Steps

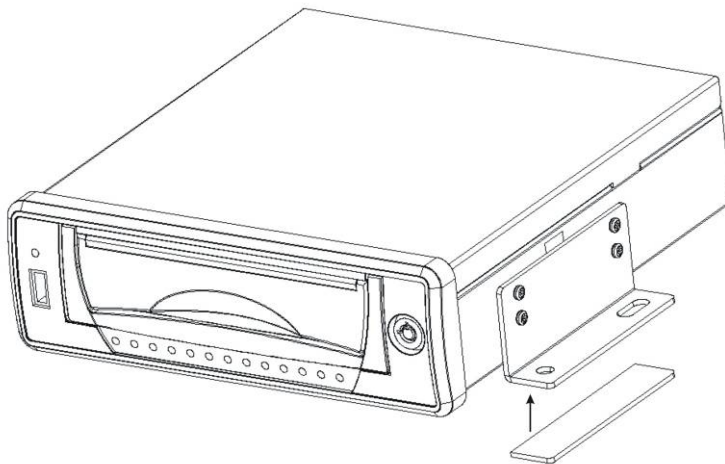
- 1、Tear off the plastic package and take out the device. Take out the installation bracket from the accessory box. You can refer to the following figure,



- 2、Please refer to the following figure to install the bracket on the device.
  - a) There is a bracket on device each side.
  - b) There are four fix holes on each bracket side.
  - c) Use the M3X6 compound screw (provided) to fix the bracket.

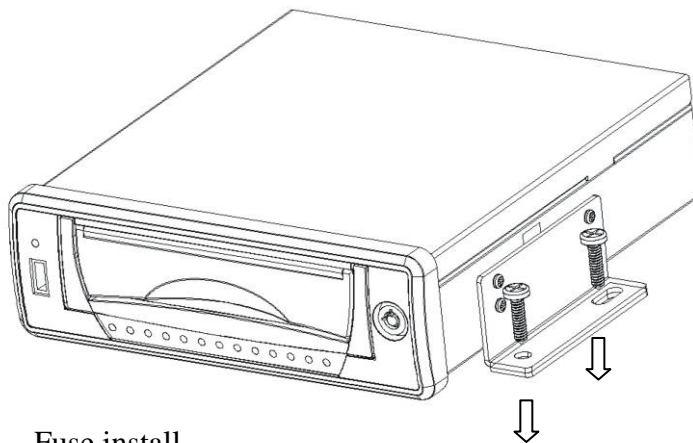


- 3、Place the rubber pad under the installation bracket.



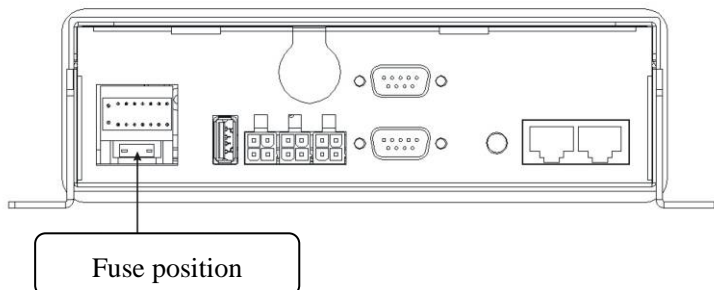
#### 4、 Fix the device in the specified position.

Select the desired position and then use the M5X20 pan self—tapping screw truss Phil to fix the device.



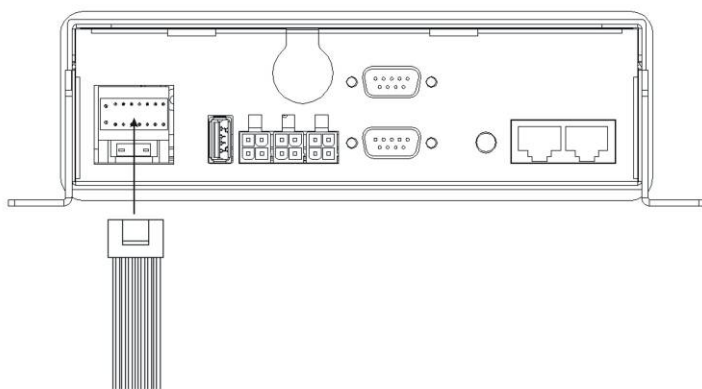
#### 5、 Fuse install

- a) Take the fuse out of the accessory box.
- b) Please refer to the following figure to insert it into the device rear panel.
- c) Fix it firmly.

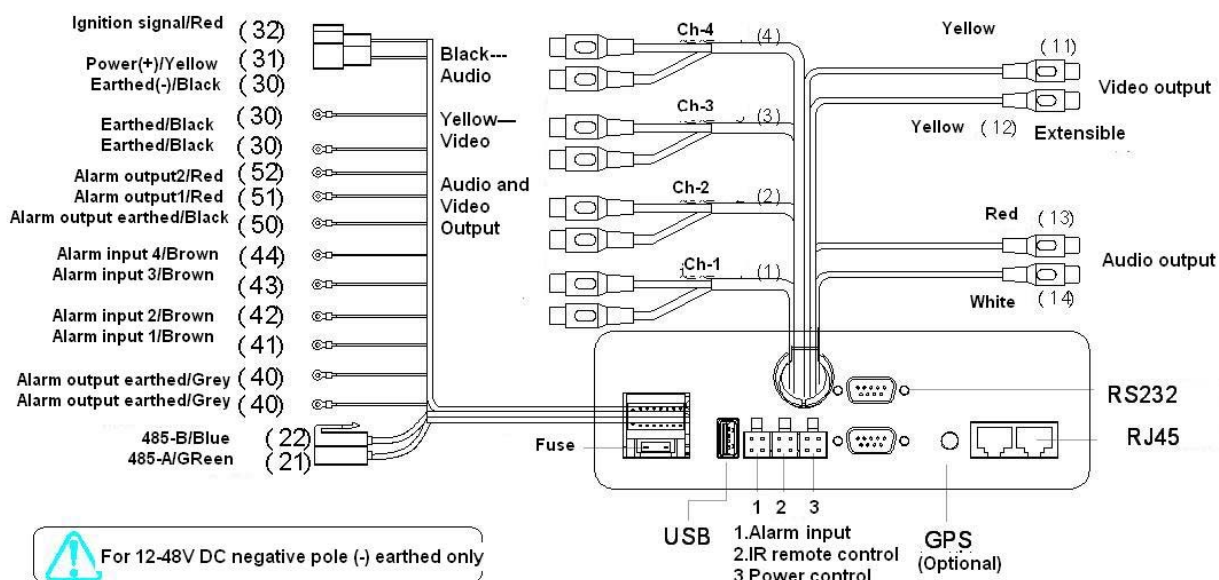


#### 6、 Cable Connection

- a) Please refer to the following figure to insert the 16-pin cable.

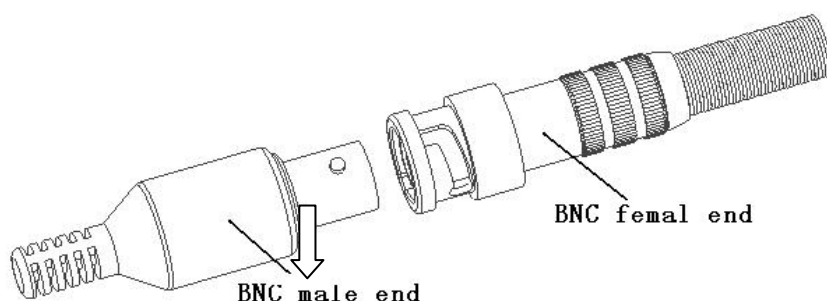


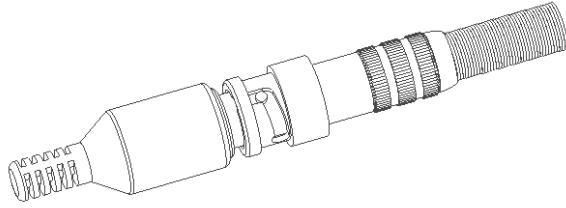
b) Please refer to the following figure to connect audio input/output cable, video input/output cable and 16-pin cable



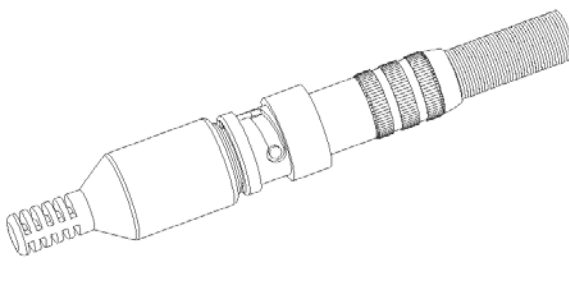
c) BNC connection is shown as below.

① Insert the BNC male end and female end.

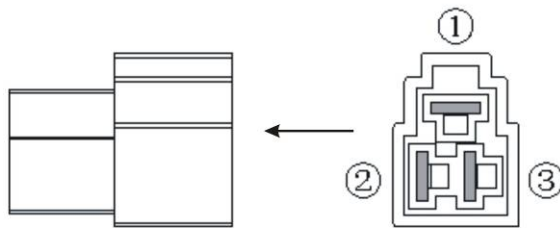




② Put BNC male end in and then turn it clock-wise 90 degrees to the following position (See the following figure). Then you finish connecting the male and female end.



d) Power socket connection is shown as below.



- ① Black: earthed
- ② Red: connect to injection signal
- ③ Yellow: connect to storage battery

**Note:**

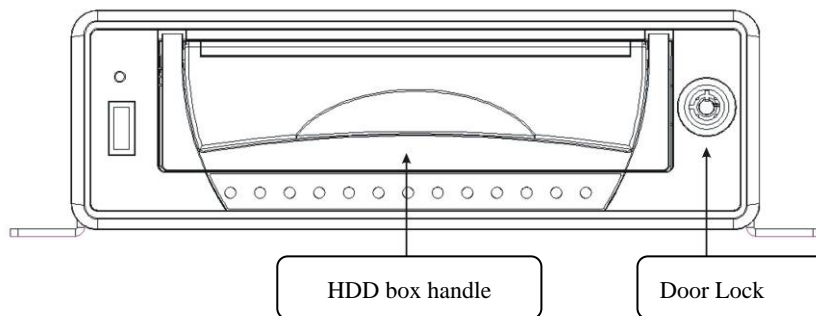
Use twist ties to twist the cable after you complete cable connection in case there is short-circuitry, heat or electronic shock.

**Note:**

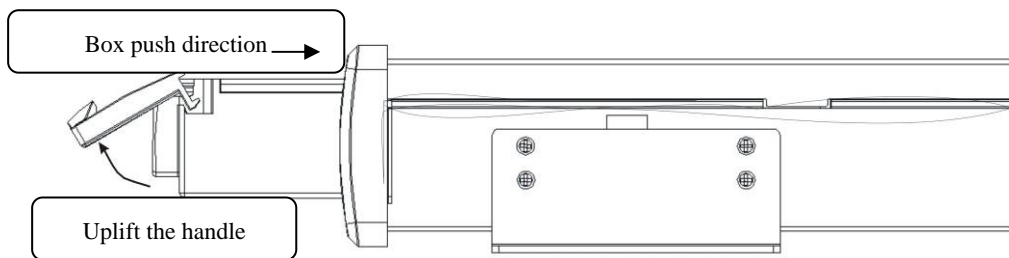
After you completed cable connection, use insulating tape or other insulate objects to bind up the cable metal head in case there is short-circuitry, hear, fire or electronic shocks.

7、HDD box insert and draw out

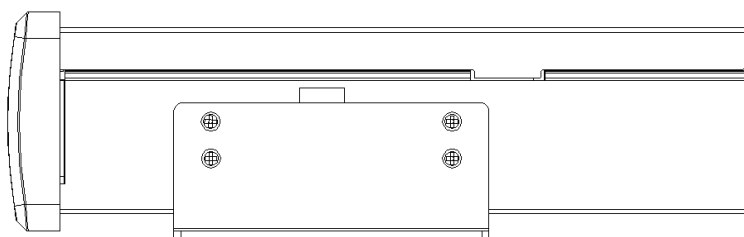
- a) Insert the key and then turn it clockwise to open the lock. Please refer to the following figure.



- b) Hold the handle and then draw out the HDD box.  
c) Insert the HDD box and then uplift the handle. Push the HDD box into the device. See the following figure.



- d) When HDD box is near the end, push the front panel to push the box into the end (when pushing, please keep a proper angle between the hand and then device.)  
e) When the device reach the end, the HDD handle naturally drop to reach the HDD front panel.



- f) After HDD reached the end, turn the key to lock the door(counter clockwise).

**Please open the lock before you draw out the HDD box**



Before you draw out the HDD box, please open the lock otherwise it may damage the device!



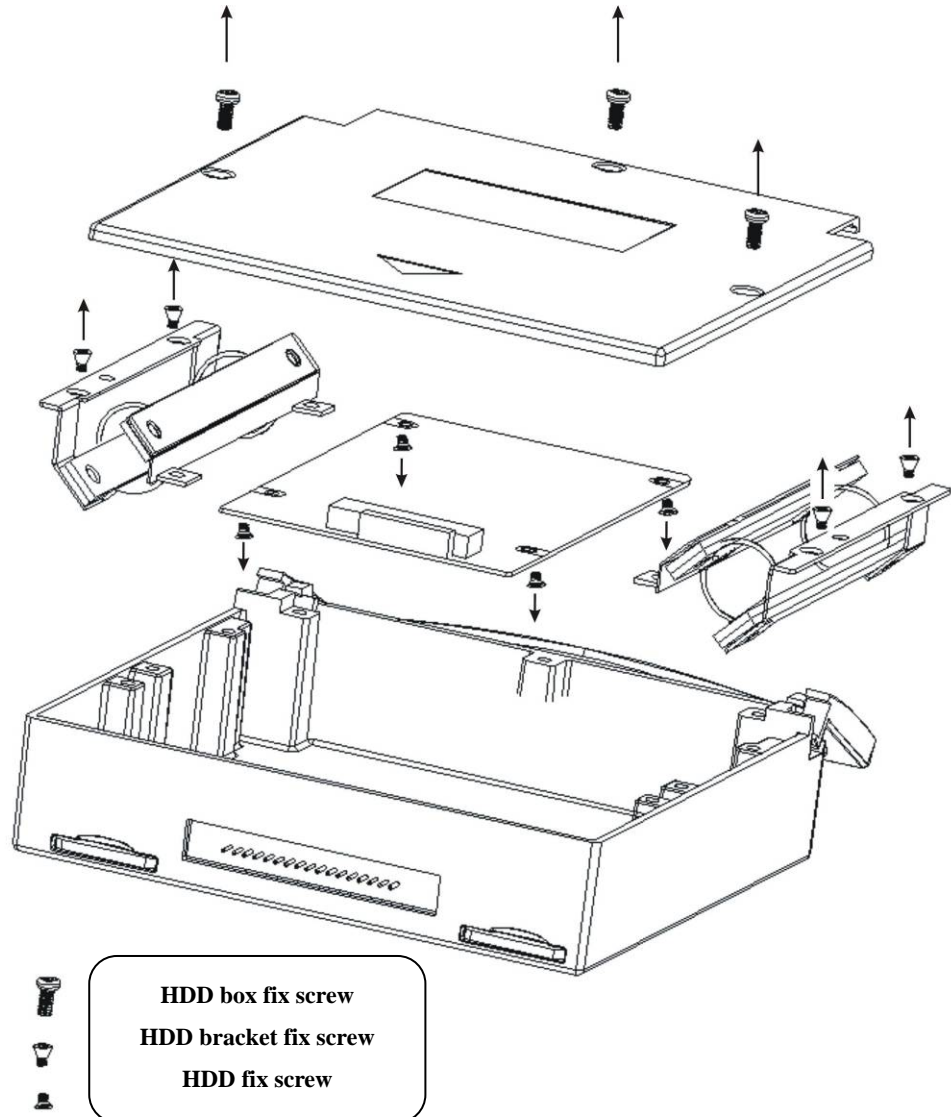
## 4. Fuse

Please use standard 3A fuse. The high amp fuse or disconnect the fuse may result in fire or device malfunction.

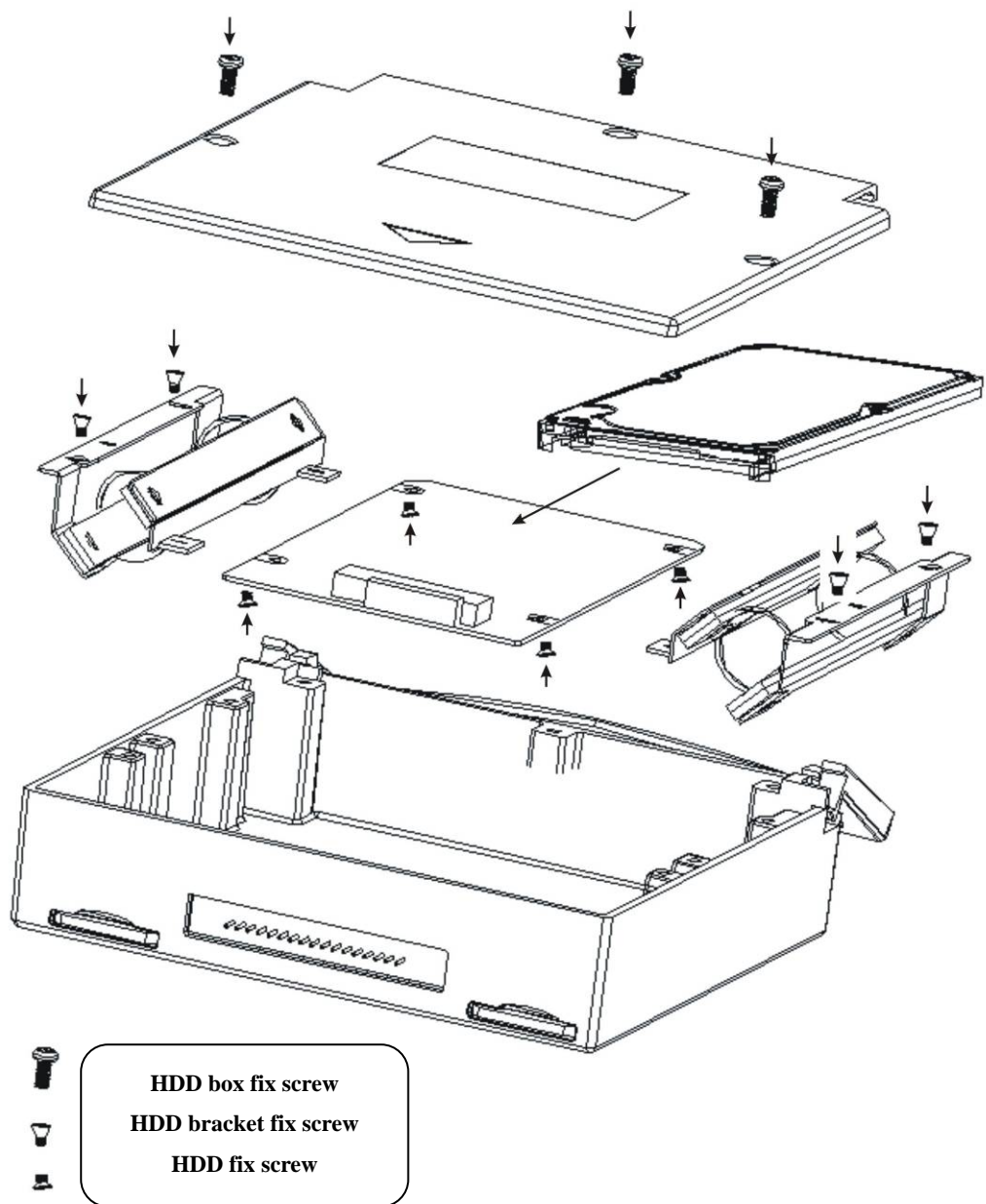
Please contact your local retailer for help in case there is any problem during the replacement.

## 5. HDD Installation

1) Dismantle HDD box. Please refer to the following figure for information.



2) Please refer to the following figure for other parts information.

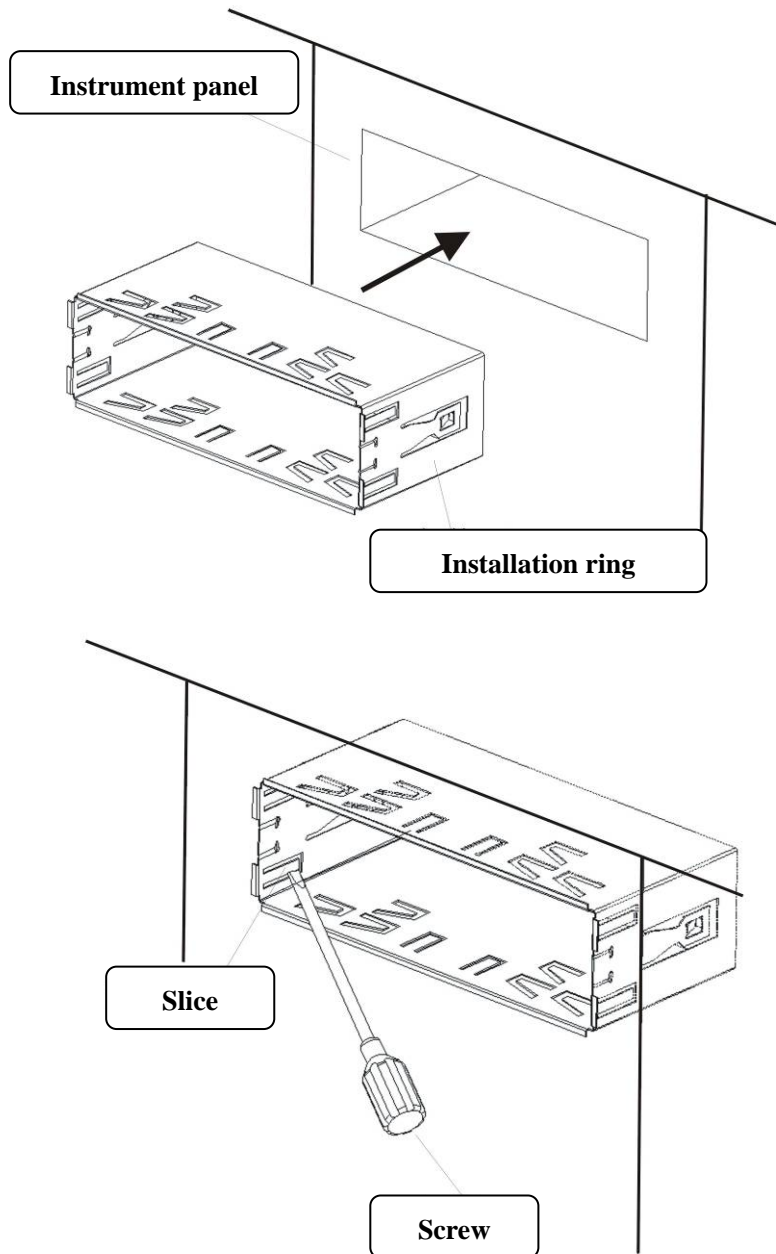


3) After completing HDD, insert it into device HDD slot and then lock.

## 6. Instrument Panel Installation

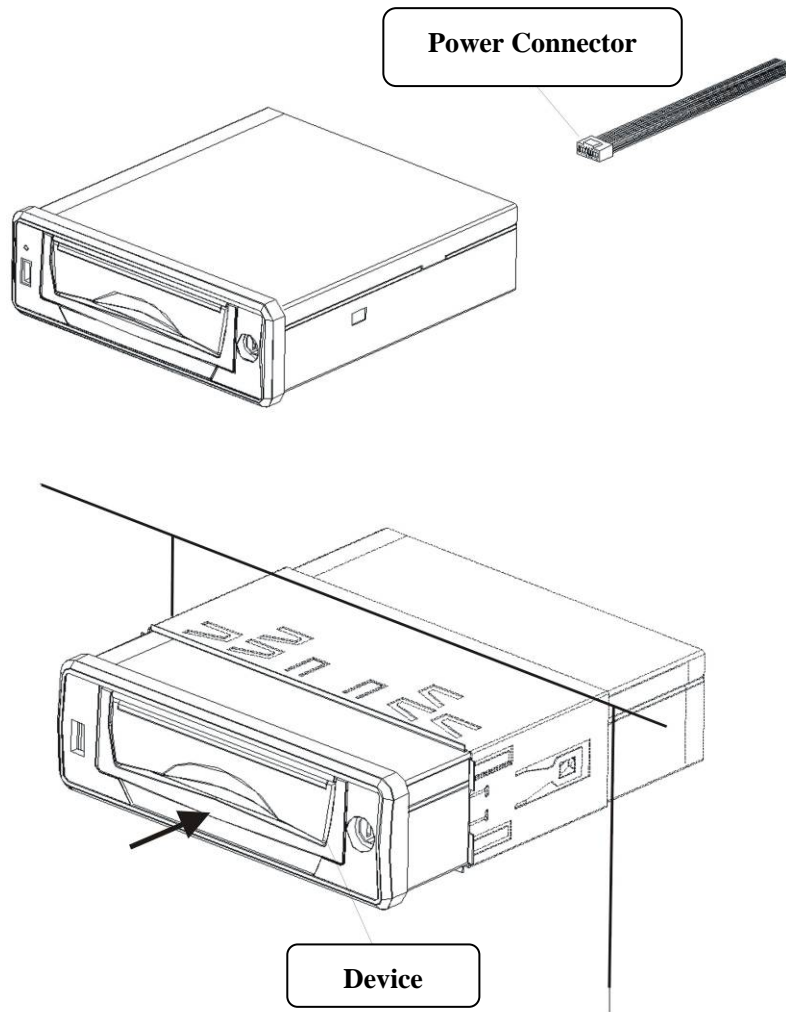
### 1、Fix the installation ring

Insert the installation ring into the instrument panel and then use the screw to bend down the slice.



## 2、 fix the device rear panel

- a) Refer to the installation manual to check the cable connection and device connection.
- b) Insert the power connector to the host and refer to the installation manual to install.
- c) Insert the host into the installation ring and then push until you hear a sound of click.



### Note:

- The installation ring is not provided in the accessories bag. Please contact your local retailer for more information.

## 7. Repair

Please use soft cloth to operate daily maintenance. Do not use benzoline, thinner or other solvent to clean the device.

### **In case there is malfunction**

Please turn off the device immediately

Before sending device back to repair, please uninstall the power adapter to check whether there is any smoke or heat.

Any unauthorized repair work is strictly forbidden.

#### **Note:**

- Stop using the device when there is malfunction or abnormal phenomenon.
- Stop using the device when there is smoke or smell. Please contact your local retailer for help.

## 8. Specification

Power	12~48V DC、 negative pole earthed
Power consumption	Below 15W
Dimension	180(W) X 61(H) X 205(D) mm
Weight	2.3kg (including HDD)

**All the designs here are subject to change without prior written notice.**

## 9. Package list

Input package list in this frame

105 mm X 90 mm(L\*W)