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# Inspiry Smart Box V

## User Manual

**INSPIRY 意锐**

Beijing Inspiry Technology Co., Ltd.

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## Warnings

When using **Inspiry Smart Box V**:

- Do not aim the window at the vicinity of direct sunlight or hot objects.
- Do not install the device in a hot and humid place or in a place with a low temperature such as a refrigerator to avoid malfunction of the circuit or optical components of the reader.
- Do not install the device in the place where it will come into contact with water to avoid malfunction.
- Do not operate the device near the areas with electromagnetic radiation which may affect the correctness of the reader.
- Do not drop or vibrate the reader.
- Do not disassemble the device privately.
- Do not connect improper accessories.

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## 1. Product Introduction

### 1.1 Inspiry Smart Box V

The self-service mobile payment device of Inspiry Smart Box V is used for clear image collection and analysis, rapid transmission and feedback reading information, etc. The appearance is exquisite and compact, with a large reading window, which is featured by powerful reading performance, and can quickly read the payment codes of WeChat, Alipay and UnionPay and achieve 360-degree 2D barcode reading. This product has passed CE, FCC and ROHS certifications.



### 1.2 Distinguishing Features

- Excellent reading platform and self-developed devices integrated with hardware and software;
- Able to compatibly read the two-dimensional codes on papers or the similar carrier, and the two-dimensional codes on computer or mobile phone screen;
- Able to read tiny two-dimensional code symbols and two-dimensional code symbols displayed on LCD monitor;
- Fast reading to increase work efficiency;
- First-reading success rate of over 95%, powerful error correcting;
- Flexible reading distance, making it easy to operate and unnecessary to learn to use the device;
- Have auxiliary lighting, convenient for reading under various light conditions, resulting in strong applicability and high usability.

### 1.3 Parameters

<b>Operating System</b>	No restriction on operating system
<b>Interfaces</b>	USB interface
<b>Wi-Fi Connectivity</b>	Support
<b>Wired Connectivity</b>	Support
<b>Voice Prompt</b>	Support
<b>Data Capture</b>	QR code Code 128 etc.
<b>Reading Speed</b>	<100ms, sequential reading
<b>Max Frame Rate</b>	30FPS
<b>Operating Temperature</b>	-20°C - 60°C
<b>Operating Voltage</b>	5V
<b>Rated Current</b>	2A

## 2. Operation Instruction of Inspiry Smart Box V

### 2.1 Device Connection



- ① USB female contact can be used to connect the keyboard
- ② RJ45 connects the power supply and extended functions

### 2.2 Wi-Fi Configuration

Enter the URL <http://dm.2dupay.com/wifi-config/language/wifiConfig.html> on mobile phone or use the mobile phone to scan the QR code below to enter the configuration page. If use Wi-Fi connection, enter the Wi-Fi name and password, and select the printer type. For instance, if choose serial interface printer, the right Baud rate needs to be set. Set up the IP address using DHCP. Click the button “Generate QR-code” and aim the QR-code to the scan window of the device. The device will prompt “The device is

under configuration, please wait for a moment”, then the device will restart automatically. The printer will print “Welcome powered by Inspiry”. The light of device will change from red to green, and finally blink with white light and green light, that means the device is connected to network successfully.



QR-Code for Configuration Webpage

### **3. Storage and Transport**

#### **3.1 Storage Requirements**

Relative humidity is from 5% to 95%. Keep it in normal temperature. Keep it away from acid, alkali and other corrosive gas. Prevent direct sunlight, rain water invasion, and extrusion deformation.

#### **3.2 Transport Requirements**

When transport or connect device, please handle it gently, avoid strong vibration. Please do not scratch or collide the outer case or glass, so as not to affect the appearance and use.

### **4. Maintenance Instruction**

- 4.1. Regularly inspect whether the device surface is smooth and clean, and free of cracks, deformation and corrosion on the surface.
- 4.2. Inspect the tightness of the screws used to fix the enclosure and confirm no screws fall off.
- 4.3. Inspect the glass of the device and confirm that its surface is smooth and free of dirt.
- 4.4. Keep the device in a location not exposed to direct sunlight, and keep it away from magnetic interference in operation.
- 4.5 If the device will not be used for a long time, cut off the power supply and store the device in a

dry place.

## **5. FAQ**

### **5.1. How to Install Device**

#### 5.1.1 Device installation with WiFi network

USB male contact ① is connected to the power supply adapter, and USB female contact ② is connected to the USB keypad or the USB Hub for the extended functions of the USB, such as a printer.

#### 5.1.2 Device installation with Wired Network

USB male contact ① is connected to the power supply adapter, and USB female contact ② is connected to the Ethernet converter.

### **5.2. Networking**

After the WIFI/wired network is configured, the device flashes with green light every two seconds if successfully networked. It will flash with red light every two seconds if not networked.

If fail to connect the network: Check whether the wireless network or network cable is properly connected, rescan the code, configure the network of the device and the device will automatically restart.

### **5.3. Indications of LED Light**

Flashing red: Network is not connected;

Flashing green: Network is connected;

Flashing blue: The device is upgrading;

### **5.4. Firmware upgrade**

When the firmware is being upgraded, the light is flashing blue/white alternately. At this moment, do not unplug the power supply. Otherwise, the upgrade will fail and the firmware will return to the pre-upgrade version.

## **6. Device Disposal**

Device disposal: remove the outer case and circuit board. The disposal of circuit board scrap should comply with the local laws and regulations.

## **7. After-Sales Service**

Please properly keep the valid accessories of the product. Please show the unmodified original documents when you need help, otherwise the warranty will be invalid. The warranty service is limited to normal use. The product shall be used in strict accordance with the manual, and shall not be disassembled privately, or connected with improper accessories. The following man-induced damages are not covered by the warranty: serious deformation and damage to the enclosure due to improper operation and other man-made causes, damage and scratches of the lens, over-burning or obvious scratches of the CMOS sensor, and PCB board over-burning due to improper operation.

Thank you for using Inspiry Smart Box V. If you have any questions or suggestions about the contents of this manual, please contact us in the following ways. We will continue to serve you more diligently, and look forward to your continuous interaction with us and further encouragement.

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