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# Inspiry Smart Box E

## User Manual

**INSPIRY 意锐**

Beijing Inspiry Technology Co., Ltd.

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## Notice

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FCC ID: 2AOI3S-002

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.

Note: This product 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 product 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 product 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 or more 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.

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC/IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radioexempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

This equipment complies with FCC/IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

ce matériel est conforme aux limites de dose d'exposition aux rayonnements, FCC / CNR-102 énoncée dans un autre environnement. cette équipement devrait être installé et exploité avec distance minimale de 20 entre le radiateur et votre corps.

During the usage of Inspiry Smart Box E:

- Do not expose the window of module to direct sunlight and high temperature.
- Do not install the module in a place subjected to high temperature, high humidity, or low temperature such as in cold store, to prevent the malfunction of the reader's circuitry and optical components.
- Do not operate near the area where electromagnetic radiation is generated, to avoid the inaccuracy of reading.
- Do not drop or vibrate the module.
- Do not disassemble or reassemble internal components.

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## 1. Product Introduction

### 1.1 Inspiry Smart Box E

Inspiry Smart Box E is CE, FCC, ROHS certified self-service mobile payment device, which is used for image acquisition, decoding, rapid information transmission and feedback, etc. With exquisite appearance and big scan window, it has powerful reading performance which is used to decode payment codes of WeChat Pay, Alipay, UnionPay, and is used for 360°2D-code reading.



### 1.2 Distinguishing Features

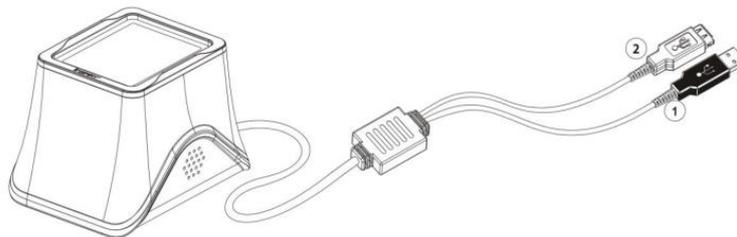
- Excellent performed reading platform and independently developed integration equipment of software and hardware
- Compatible with existing major 1D barcode/2D code on printed materials and electronic screens
- Good performance in reading tiny 2D-code symbol and 2D-code on LCD screen
- High decoding speed, increasing working efficiency
- Over 95% first reading rate, strong error-correction ability.
- Easy to operate and quick to learn to use
- Ancillary light, strong applicability and usability

### 1.3 Parameters

<b>Interfaces</b>	USB interface
<b>WiFi Connectivity</b>	Support, 802.11 b/g/n
<b>Voice Prompt</b>	Support
<b>Data Capture</b>	1-D code (Code 128, etc) 2-D code (QR, etc)
<b>Reading speed</b>	50ms
<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. Inspiry Smart Box E Operation Instruction

### 2.1 Device Connection



① USB cable for power supply

② USB Host

USB Host Interface could be extended through USB hub to connect USB Keypad, USB printer, Ethernet converter, etc.

### 2.2 WiFi Configuration

Tap the URL <http://dm.2dupay.com/wifi-config/language/wifiConfig.html> or scan the QR-code of configuration, and enter the configuration webpage. Choose “WIFI” from the dropdown menu, enter user name and password, and choose the printer type from the dropdown menu. For instance, if you choose serial interface printer, you need to set the right Baud rate. 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 Please regularly check the outer case, no crack, no deformation, and no corrosion on the surface.

4.2 Check the tightness of the screws which are used for fixation. Make sure no screw to fall off.

4.3 Check the glass of device regularly, keep the glass clean and spotless.

4.4 Keep the device away from direct sunlight, and use it in anti-magnetic environment.

4.5 When the device is not used for a long time, the power should be cut off and the device should be stored in dry environment.

## **5. FAQ**

### **5.1 Networking Problem**

After the configuration of WiFi/cable network, if the device connects to server successfully, the green light of device will flash every two seconds. If the device connects to server unsuccessfully, the red light will flash every two seconds. User can judge the situation of connection easily, according to the lights.

Unable to connect to network: check whether the wireless network or network connection is normal. Otherwise, re-scan the QR-code to configure the network and restart the device.

### **5.2 LED Light Indication**

Flashing red light: device is disconnected to network

Flashing green light: device is connected to network

Flashing blue light: device is being updated

### **5.3 Firmware Update**

When the Firmware of device is being updated, the blue/white light will be kept on. Don't turn off the device or cut the power, otherwise, the upgrade will fail and return to the previous 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 keep all your accessories of the product, and show the original document without alteration when you need the technical support, or your warranty will be voided. The warranty is only limited to the problems arising in the normal use condition. Please operate according to the manual, do not disassemble, use inappropriate accessories. Without our permission, any maintenance and modification, deformation, serious damage and breakage due to improper operation, lens scratches, CMOS sensor burned or obvious scratches, PCB board burned, and all the artificial damage are beyond guarantee range.

Thank you for using the self-service code-reading device. If you have any question or suggestion about this manual, please contact us in the following way. We will continue to serve you more diligently, and look forward to your continuous interaction with us and further encouragement.

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