bbpos

WiseCube
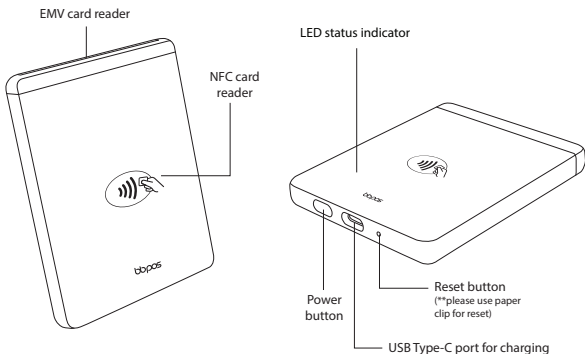
Advanced mPOS Design Integrating *Bluetooth*®
EMV and NFC Card Reading Functions

Supported Operating System:
iOS, Android

www.bbpos.com

Index & Accessories (Fig.1)

EMV card reader

NFC card reader

LED status indicator

Power button

Reset button
(**please use paper clip for reset)

USB Type-C port for charging

Package Contents

|	
Device	X1
USB cable	X1
Quick start guide	X1

Application Download & Installation

This device can support iOS and Android.
1. Please download the official application from app stores before operation.
2. Please follow app instructions to register and login for proper operation.
3. For any questions, please contact the official application developer or solution provider.

Quick Start Procedures

Connect the USB Type-C charging cable to charge the device as shown to the right.
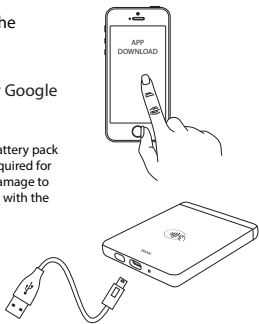
Download the official application from APP Store or Google Play Store.

** Cube is powered by an internal Lithium Polymer rechargeable battery pack that cannot be removed or replaced. Before first use, charging is required for approximately two to three hours. To prevent potential electrical damage to the Cube, it is recommended to use the USB Type-C cable provided with the packaging.**
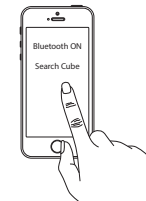
APP DOWNLOAD

Bluetooth Pairing

STEP 1

Press power button to turn on Cube.

STEP 2

Search for Cube on smartphone/tablet.

** Please ensure that the *Bluetooth*® function of your smartphone/tablet is 'ON' before device pairing.
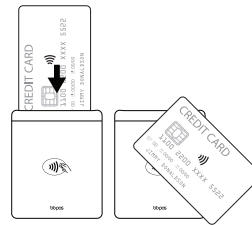
Bluetooth ON
Search Cube

STEP 3

Enter bluetooth pin on smartphone/tablet.

** Default bluetooth pin is printed on the back of Cube.

After device is successfully paired, Cube is ready to use.

Now, you can follow the application instructions to start the transaction process, then insert or tap card to complete the transaction.

** If you are paying using an EMV card, please ensure that the EMV chip of the card is facing the right direction. If you are paying using an NFC card, please ensure you tap the NFC payment card or your device with your NFC wallet within 4cm range on top of the NFC marking.

Enter Bluetooth Pin

CREDIT CARD

LED Status Indicators

Power On	Power Off	Idle
Show battery level for 4 seconds	No action needed to power off	No light status

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OTA	Temper	Self Check Interity Fail
FLASHING second and third light alternatively	FLASHING first and last red light	First and last red light ON

Battery Charging Status

0-10% FLASHING first red light	**11-25%** FLASHING first light
26-50% FLASHING second light	**51-79%** FLASHING third light
80-100% FLASHING last light	

Battery Level
When power on, it is shown as below in first four second

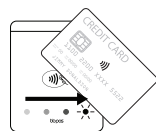|		
0% FLASHING first red light	**0-10%** First red light ON	**11-25%** First light ON
26-50% Two lights ON	**51-79%** Three lights ON	**80-100%** All lights ON

LED Status Indicators

NFC Operation

Ready for Transaction	Reading Card Information	Card Reading Process Successfully Completed

First light ON | Lights COME ON in consecutive order | All lights ON with "BEEP" sound

EMV Operation

Ready for Transaction	When Card is Inserted	Card Removal Detection
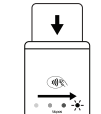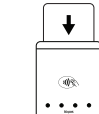
First light ON | Lights COME ON in consecutive order | Leave all lights ON until card is removed

Transaction Result

Transaction Approved	Transaction Failed/Error
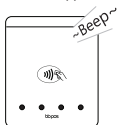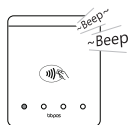
"BEEP" sound and FLASHING all lights 3 times | Two "BEEPS" sound and first red light ON

Bluetooth Connection

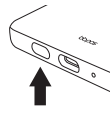| Waiting for Connection	Connected Bluetooth	No Connection	Reset Bluetooth
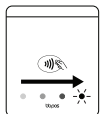
Lights COME ON in consecutive order | Flashing all lights 3 times *Power Off completely after 3 hours of inactivity | Power off completely when 5 minutes without any connection | Long press for 4 seconds and release power button

Cautions & Important Notes

- Ensure the device is fully charged before use.
- Please ensure the EMV chip of the card is facing the right direction when inserting card.
- The NFC card or mobile wallet should be tapped within 4 cm range on top of the reader mark.
- Don't drop, disassemble, tear, open, crush, bend, deform, puncture, shred, microwave, incinerate, paint or insert foreign object into the device. Doing any of which will damage the device and void the Warranty.
- Don't immerse the device into water and place near washbasins or any wet locations. Don't spill food or liquid on the devices. Don't attempt to dry the device with external heat sources, such as microwave or hair dryer. Don't use any corrosive solvent or water to clean the device. We recommend using dry cloth to clean the surface only.
- Don't use any sharp tools to probe the internal components, connectors or contacts, doing which may lead to device malfunction and void the Warranty simultaneously.

Product Specifications

Functions	• EMV chip card reader (ISO 7816 compliant class A, B, C card) • NFC Card Reader (EMV contactless, ISO 14443A/B) • Over-the-air firmware update • Over-the-air key update
Communication Interface	Bluetooth® 4.2 BLE
Power & Battery	Lithium polymer rechargeable battery 500mAh, 3.7V
Charging	Via USB Type-C
Key Management	DUKPT, MK/SK
Encryption Algorithm	TDES
Support Operating System	Android 4.2 or above, iOS (iPhone 6s or above, iPad Air 2 above, iPad Mini 5 or above, iPad Pro except 2016 version)
Product Size	82.5 x 69.0 x 10.5mm (approx.)
Product Weight	75g (approx.)
Operating Temperature	0°C – 45°C (32°F – 113°F)
Operating Humidity	Max 95%
Storage Temperature	-20°C – 55°C (-4°F – 131°F)
Storage Humidity	Max 95%

Troubleshooting

Problems	Recommendations
Device cannot be paired	• Please press the power on button to restart your device. • Please check to see if you can find the device's "Serial Number" (Shown on the back of device) in the "Scanned Device List" of your smartphone or tablet.
Device loses the connection with your smartphone or tablet when the device has gone into auto-off mode.	• Please press the power on button to turn on the device again. The device will automatically connect with your smartphone or tablet again. • The device may be at lower battery level, please use the USB cable to recharge it, then retry. • Please ensure the device or smartphone/tablet is within the reception range.
Device does not work with your phone or tablet	• Please ensure the *Bluetooth*® function of your smartphone or tablet is turned on. • Please check the version of your operating system is supported for this device's operation.
Device cannot read your card successfully	• Please press the power on button to turn on the device again. The device will automatically connect with your smartphone or tablet again. • The device may be at lower battery level, please use the USB cable to recharge it, then retry. • Please ensure the device or smartphone/tablet is within the reception range. *Inserting card* • Please check if the device has power when operating and ensure devices are connected. • Please follow the application instruction to insert or tap card. • Please ensure that there is no obstacle in the card slots. • Please check if the chip of the card is facing the right direction when inserting card. • Please ensure that your phone/ tablet is a supported model for this device's operation. • Please insert card with a more constant speed. *Tap Card/Mobile Wallet* • Please check if your card supports NFC payment. • Please ensure if your card is placed within 4 cm range on top of the NFC marking. • Please take out your NFC payment card from wallet or purse for payment to avoid any interference.
Device has no response	• Please use a paper clip to press the reset button at the bottom for reboot.

Warranty

- Any damage or defects caused by a failure to follow the instructions which relate to this device or as the result of an accident, abuse, misuse, misapplication, product modification, improper voltage or current, acts of God, shipping damages or loss, or damage caused by service performed by anyone other than our company are expressly excluded from the warranty stated below.
- We are not under any obligation to support the device for all operating environments, including but not limited to, interoperability with all current and/ or future versions of software or hardware.
- Please contact the dealer for any warranty or customer support services. Any repair of the device by yourself will void the Warranty.

FCC Caution Statements:

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 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.

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 transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimetres between the radiator and your body.