LevelUp Scanner (LUP200A)
User's Guide

Included in the Box

- LevelUp Scanner (LUP200A)
- Button
- Scanner Cable

Set-Up

The LUP200A LevelUp Scanner supports connecting to your point-of-sale (POS) device by way of both USB and Bluetooth. Please choose your set-up procedure based on the connectivity mode your device supports.

USB

1. Connect the Scanner Cable to the back of the Scanner.
2. Connect the other end of the Scanner Cable to one of your POS device's USB ports. If the POS is powered on, the scanner should immediately illuminate green, then briefly go dark, then begin "breathing" white (slowly fading from dim to bright).
3. The Scanner is installed and ready to use.

Bluetooth

1. Connect the Scanner Cable to the back of the Scanner.
2. Place scanner face down on a flat surface such that the scanning window is entirely covered.
3. Plug the Scanner Cable's USB jack into a 500mA or higher USB power adapter (not included). The Scanner should immediately illuminate green, then briefly go dark, then begin flashing blue.
4. On your tablet or other Bluetooth-enabled device, navigate to the Bluetooth pairing screen. From there, you should see device labeled **LevelUpScanner1234** where

1234 is are the last four digits of the serial number printed on the back of the scanner. Select this device to pair.

- The Scanner will illuminate white and begin "breathing" when pairing succeeds.
- No pairing code is required. If pairing fails, please try again.
- The Scanner will stay in Bluetooth pairing mode for one minute. If the device starts breathing white before pairing succeeds, you will need to restart the Scanner by unplugging it and plugging it back in again.

5. Once pairing succeeds, the Scanner is installed and ready to use.

To pair with another device, please repeat steps 2 through 5.

To unpair the scanner (to switch to USB, for example), repeat steps 2 and 3, then either wait for the one minute pairing timeout to expire or unplug the scanner and plug it back in again.

Operation

The scanner is a key part of the LevelUp mobile payments system allowing the customer to present their LevelUp code (a QR code displayed on their mobile phone) to the POS device. While idle, the scanner will illuminate white in a "breathing" pattern (i.e. it will slowly get more bright, then more dim). This indicates that the scanner is ready for a LevelUp code.

At any time during the transaction the customer can scan his or her LevelUp code. The scanner is continuously monitoring its camera for a QR code in its field of view; when a LevelUp code is detected, the scanner will glow in a user selected color (e.g. "Soothing Green") which is embedded in the QR code.

Once the customer successfully scans their LevelUp code, the scanner transmits the contents of the code to the POS device. If the button is connected to the scanner, it will pause transmission of the code until the button is pressed. This allow the POS device to be put into the appriate state before accepting the code.

The scanner will transmit the code in a variety of ways depending on its configuration:

1. In USB keyboard mode, the scanner identifies itself as a USB Keyboard Wedge peripheral. When the LevelUp code is scanned, the code is sent to the USB host as a series of key presses.

2. In USB serial mode, the scanner identifies itself as a USB serial device. When the LevelUp code is scanned, the scanner sends the code as a series of ASCII bytes.

3. In Bluetooth mode, the scanner identifies itself using the Bluetooth HID protocol as a keyboard. When the code is scanned, the QR code is sent over the Bluetooth interface to the host device.

Once the QR code has been transferred from the scanner to the POS device, the scanner resumes looking for LevelUp codes, and once again glows in its breathing pattern.

FCC Warning

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 1: 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 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.**

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.