LUP100A User's Manual

Included in the Box:

- LevelUp LUP100A Scanner
- Outlet Box
- Button
- RJ50 Cable
- USB A to A Cable
- RS232 Serial Cable
- AC Power

Set-Up:

1. Connect the RJ50 cable between the Outlet Box and the back of the Scanner.

2. Depending on the ports available on the POS system or tablet used, connect either the RS232 Serial Cable or the USB cable from POS system or tablet to the Junction Box. The cables are color-coded.

3. Connect the Button to the Outlet Box.

4. Connect the AC Power adapter to the Outlet Box and to the electrical outlet. The scanner will automatically turn on and begin to glow white, dimming and brightening in a "breathing" pattern.

5. The Scanner is installed and ready to use.

Operation:

The process of accepting payment is simple. While idle, the scanner will glow in a white color in a "breathing" pattern (i.e. it will slowly get more bright, then more dim). This is the customer's indication that the scanner is ready for a LevelUp QR code.

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

Once the QR code is scanned, the scanner waits for the Point of Sale (P.O.S.) system to be ready to accept the payment token. When the Point of Sale system is ready, the scanner outputs the QR code data via one of three interfaces: USB, serial and Bluetooth:

1. In serial mode, the QR code is simply output at its configured baud rate (default: 9600 baud, 1 stop bit, no flow control).

2. In USB mode, the scanner identifies itself as a USB Keyboard Wedge peripheral.   And the USB host is the Point of Sale system, which is responsible for configuring the device and handling its input.   When the code is scanned, the QR code is sent to the USB host as a series of key presses.

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.

Note that of these three modes, serial and USB are hot swappable (i.e. can be changed while the scanner is running).   The Bluetooth, however, has one minute to pair with a host after it has booted until the Bluetooth radio is shut down. This is to prevent unwanted users from pairing with the device.

Once the QR code has been transferred from the scanner to the Point of Sale system, the scanner resumes looking for QR codes, and once again glows in its breathing pattern and completed the sales cycle.

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 C 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.