

# 156x Cordless Scanner >

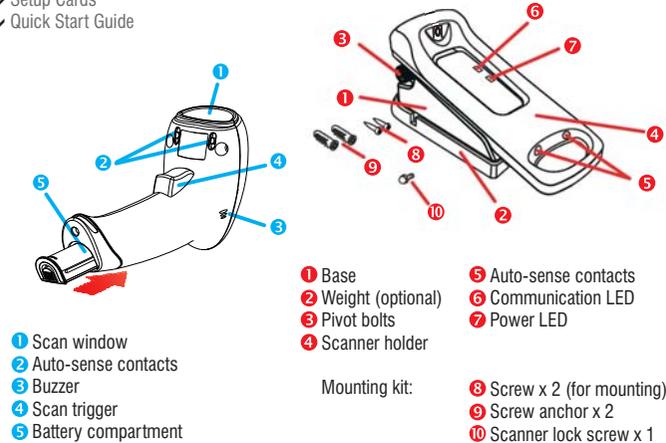
## Quick Start Guide



Download the user manual and CD contents using GoBetween, available at <http://ccs.cipherlab.com>.

### Open Your Box

- ✓ 156x Barcode Scanner
- ✓ CipherLab dongle: BT Base 3656
- ✓ Rechargeable Li-ion battery
- ✓ Setup Cards
- ✓ Quick Start Guide



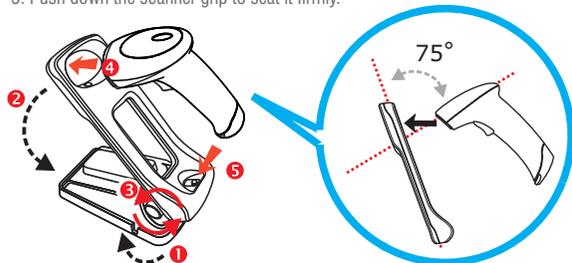
- 1 Base
- 2 Weight (optional)
- 3 Pivot bolts
- 4 Scanner holder
- 5 Auto-sense contacts
- 6 Communication LED
- 7 Power LED
- 8 Screw x 2 (for mounting)
- 9 Screw anchor x 2
- 10 Scanner lock screw x 1

Mounting kit:

### Power on...

**Step 1:** Install and lock the battery as shown below. Hold down the trigger for about 2 seconds. The scanner will respond with a long beep (high) tone, and the LED light will become solid red and go off quickly.

- Step 2:** Set up the BT Base for charging the battery. For RS-232/USB, you must connect the power supply cord. It takes about 5 hours to fully charge the battery.
1. Slightly loosen the two pivot bolts.
  2. Adjust the angle of scanner holder.
  3. Tighten the pivot bolts to secure the holder in position.
  4. Push the scanner head into the holder at a proper angle.
  5. Push down the scanner grip to seat it firmly.



Note: If the base comes with weight installed, remove the weight before connecting cables. When removing cables, slightly twist the cable and remove from each slit. The weight is provided for desktop use only. Be sure the base is well-secured.

### Live Mode

#### BT Connection —

By factory default, the scanner is set to use BT HID for connecting to PC or target device. You may change to BT SPP if necessary. BT pairing is required for establishing a connection.

#### BT Base or CipherLab Dongle —

You may use 3656 for a quick connection. All it takes is to scan the two barcode labels at the bottom of the BT Base. No pairing is required. By factory default, the base is set to use USB HID. You may change it to USB Virtual COM if necessary.



>> See setup card: 3a/4a

### Memory Mode

If real-time data collection is not desired, you may set the scanner to work in Memory Mode. Then, upload data when you are done with data collection.

**Step 1:** Scan the **Enable Memory Mode** barcode. Any Live Mode connection will be suspended.

**Step 2:** Scan data.

**Step 3:** Scan the **Send Data** barcode. The scanner will resume Live Mode connection. It will transmit data via preset BT interface or CipherLab dongle.

**Step 4:** Scan the **Clear Data & Confirm** barcodes when you are done with data upload.

>> See setup card: 1a

### Power on...

### Authentication

By factory default, authentication is disabled on the scanner, meaning no PIN is required unless a PIN code is displayed on the target device (see Random PIN).

#### Use Preset PIN

##### Preset PIN "0000" —

Scan the **Enable Authentication** barcode. By factory default, it is set to use "0000".

##### Preset PIN other than "0000" —

- Step 1:** Scan the **Enable Authentication** barcode.  
**Step 2:** Scan the **Start**, **numeric** and **End** barcodes.

#### Use Random PIN

While pairing, if you see a PIN code displayed on the target device, scan the **Start**, **numeric** and **End** barcodes to input the same code.

>> See setup card: 2a/2b

### Hands-free Scanning

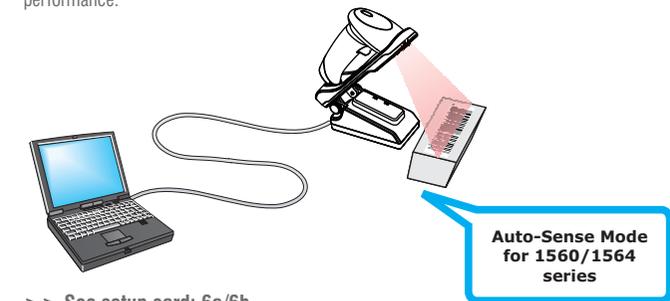
For hands-free scanning, make use of the BT Base and set the scanner to Continuous Mode (1560/1562/1564 series) or Auto-Sense Mode (1560/1564 series) or Presentation Mode (1564 series).

**Step 1:** Scan a specific barcode for the hands-free operation: **Continuous Mode**, **Enable Auto-Sense Mode** or **Presentation Mode**

**Step 2:** Scan the two barcode labels at the bottom of the BT Base.

**Step 3:** Seat the scanner firmly as shown.

Note: When 1560 series is set to Auto-Sense Mode and the ambient light is too dim to activate the sensor, have the scanner scan the **High Sensitivity** barcode to improve performance.



>> See setup card: 6a/6b



## Select Keyboard Wedge or HID

Depending on the interface you need, scan a specific **interface** barcode from the setup card.

### Supported Interface —

- ✓ Keyboard Wedge cable
- ✓ BT HID
- ✓ CipherLab dongle: USB HID

## Reset Connection

For BT HID, you can only have the scanner connected to one computer at a time. If you want to connect the scanner to another host, scan the **Reset Connection** barcode so that the current connection record will be cleared. The scanner will restart itself automatically.

>> See setup card: 3a/7a

## Select RS-232 or Virtual COM

Depending on the **interface** you need, scan a specific interface barcode from the setup card.

### Supported Interface —

- ✓ RS-232 cable
- ✓ BT SPP, Master or Slave Mode
- ✓ CipherLab dongle: USB Virtual COM

>> See setup card: 4a/7a

## Mobile Phone Support

As long as your scanner fits the requirements, the scanner can be used as a data collector for a mobile phone.

### Scanner Requirements —

- ✓ 1560/1560H firmware version 1.23 or later
- ✓ 1560P firmware version 1.00 or later
- ✓ 1562 firmware version 1.23 or later
- ✓ 1564/1564A/1564H firmware version 1.00 or later

### Supported Mobile Phones —

- ✓ iPhone, iPad (HID)
- ✓ BlackBerry 5.x (SPP)
- ✓ Android 2.x (SPP)/Android 3.x (SPP/HID)
- ✓ Windows Mobile, Windows Embedded Handheld, Windows CE (SPP/HID)

## Initial Setup

All you need to do is scan a specific **mobile phone setup** barcode. The scanner will restart itself automatically.

>> See setup card: 5a

## Select Keyboard Type

### Keyboard type PCAT(US) —

By factory default, the keyboard type is set to PCAT(US). If you need a keyboard type other than that, you may change it before use. If you are switching back to Keyboard Wedge/HID from a non-Keyboard Wedge/HID interface, you will have to go through the three steps below to complete the keyboard type setting.

### Keyboard type other than PCAT(US) —

**Step 1:** Scan **Keyboard Wedge** a specific **HID interface** barcode.

**Step 2:** Scan the **numeric** barcodes for the country code.

**Step 3:** Scan the **End** barcode to complete the setting.

>> See setup card: 3a/3b, 7a/7b

## Restore Defaults

### Restore System Defaults —

For the scanner to restore the factory defaults, scan the **Restore System Defaults** barcode.

### Save as User Defaults —

For the scanner to keep the current settings as user defaults, scan the **Save as User Defaults** barcode.

### Restore User Defaults —

For the scanner to restore the user defaults, which you have saved earlier, scan the **Restore User Defaults** barcode.

>> See setup card: 4b

## Authentication

## Use Preset PIN

### Preset PIN “0000” —

After scanning a specific **mobile phone setup** barcode, it is set to use “0000” for the following mobile phones in Live Mode:

- ✓ BlackBerry, Android or Windows Mobile: SPP Slave Mode
- ✓ Windows Mobile: HID

### Preset PIN other than “0000” —

**Step 1:** Scan the **Enable Authentication** barcode.

**Step 2:** Scan the **Start**, **numeric** and **End** barcodes.

## Use Random PIN

After scanning a specific **mobile phone setup** barcode, it is set to use random PIN for the following mobile phones in Live Mode:

- ✓ iPhone, iPad: HID
- ✓ Windows Mobile, Android 3.x: HID

While pairing, when you see a PIN code displayed on the target device, scan the **Start**, **numeric** and **End** barcodes to input the same code.

>> See setup card: 5b