User’s Manual

Bluetooth Scanners

BT Series

Content

1. Introduction 1
2. Available Models 1
3. Standard Package 1
4. Charging Procedure 2
5. Installation (Receiver) 3
6. Scan Modes 5
7. Scanner Programming 6
8. Purge Scanned Data from Scanner 7
9. Audible & Visual Indicators and Operation 8

1. Introduction

The BT series incorporate Bluetooth wireless technology which offers customers a freedom of mobility with up to 50 meters working range from receiver. The scanner is configured to work as master mode, when it at Bluetooth radio link on state, which makes attempts to connect with receiver whenever the radio link breaks. With exceptional power saving design, the scanner operates much longer than your expectation on a full battery recharge circle. Furthermore, user friendly operation and large memory capacity characteristics give BT series a jump on its clone.

2. Available Models

2.1. Extra Long Range CCD Scanner

· BT-4500-K (Keyboard wedge)

· BT-4500-UK (USB Keyboard)

2.2. Laser Scanner

· BT-3800-K (Keyboard wedge)

· BT-3800-UK (USB Keyboard)

3. Standard Package

BT-XXXX-X series

· Scanner

· Receiver

· USB charging power cable

· Support CD

4. Charging Procedure

USB Charging Power Cable

Plug the USB charging power cable into the scanner. The LED should flash green.
When the scanner is fully charged, the LED will be steady green.

5. Installation (Receiver)

BT series' paring between scanner and receiver is made before shipment. So, normal operation can be started after installation of the receiver to host computer.

Paring The Receiver & Activating the Scanner

Step 1. Attach the receiver with PC. The receiver's LED should flash red. Representing it's searching for the scanner

Step 2. Activating The scanner by press & hold the scanner trigger for at least 6 Secs., the Scanners' LED should flash red, representing it's searching for the receiver.

Step 3. Once the wireless communication is established, the LED indicator on both the receiver and scanner should turn STEADY RED.

Knowing whether the wireless connection is available or not

• Red LED flashing = Searching.... / Not found (not paired)

• Red LED always On = communication established (paired)

5.1. BT-XXXX-K: Keyboard wedge interface

Step 1. Turn off the host computer

Step 2. Disconnect the keyboard cable from host computer

Step 3. Connect the keyboard cable into the female 6-Pin DIN connector which located at long cable of the receiver

Step 4. Connect the short cable of the receiver into the keyboard port on the host computer

Step 5. Turn on the host computer

5.2. BT-XXXX-UK: USB keyboard interface

Turn off the host computer. Connect the USB A type connector on the receiver into the USB port on the host computer. Turn on the host computer.

6. Scan Modes

Batch Mode (default): Scanner transmits scanned barcode data right after scanning barcode label to receiver. When the Bluetooth radio link breaks or the communication quality is poor, the scanner stores scanned barcode data right after scanning. The stored data will be transmitted to receiver right after trigger pushed whenever the communication between scanner and receiver rebuild or communication quality is at good state. Scanner doesn't allow any barcode reading attempts while the stored data is being transmitted to receiver.

On-line Mode: Data is transmitted immediately over an active Bluetooth connection.
When a Bluetooth connection is not available, the scan light is not emitted.

Recapture Mode: Data is transmitted immediately over an active Bluetooth connection, while all barcode scans are stored in the device. To transfer stored data, scan the Transmit barcode. Purge stored data using the configuration utility.

Note: There is no feedback protocol between host computer and receiver no matter what which interface equipped. The radio link between the scanner and the receiver can work well as long as stable power continuously supply for both of them. Most computers provide +5V DC power from keyboard port or USB port even they are at power off state. So it might be a risk to loss the scanned data when operator works in the field while host computer acts abnormally such as hang-up, power off, etc. This mode provides the last chance to trace back the data.

Barcode attachment: To read the barcode to transmit data in the scanner's memory to PC.

Recapture Mode

7. Scanner Programming

The BT series can be configured via the Windows base programming utility to meet special application needs such as decoding options, code ID settings, etc.

Scanner Programming

Install the BT Scanner utility from the included CD, or download the utility at http://www.barcode-manufacturer.com/software/Utility_BT_Scanner.rar

Step 1. Run the application, selecting Keyboard or USB Keyboard as the interface type.

Step 2. To restore default settings, click the Default icon.

Step 3. To change other parameters, click the Setting button, then find the appropriate setting in the various categories.

Step 4. To apply the settings to the scanner, click the Transmit button on the left, and then click the Transmit icon, make sure you are on the Keyboard or USB Keyboard tab, and then click the Transmit button.

Step 5. Finally, push the scanner trigger once to confirm the setting.

Note:

- There are two folders in the BTScanner Utility, one is BTScanner and another is KBIDrv.
- BT folder is the scanner programming utility and KBIDrv folder is keyboard interface driver.
- Be aware of that performing the scanner programming would purge the data in the memory.
- Please make sure that to perform Step 4 must be under Bluetooth radio link built state between scanner and receiver.

8. Purge Scanned Data from Scanner (recapture mode only)

Step 1. Run the attached CD disk:\utilities\BTScanner.

Step 2. If the receiver is keyboard or USB keyboard interface, please install KBIDrv (interface driver) and follow by BT utility.

Step 3. After step 2, please follow the dialog boxes of the utility to do the purge job.

Step 4. After step 3, the purge command is stored at the receiver. So, it is a compulsory step to push the scanner trigger to execute purge command when Bluetooth radio link is built.

Note:

- There are two folders in the BTScanner Utility, one is BTScanner and another is KBIDrv.
- BT folder is the programming utility and KBIDrv folder is keyboard interface driver.
- Please make sure that to perform Step 4 must be under Bluetooth radio link built state between scanner and receiver.

9. Audible & Visual Indicators and Operation

Audible indicators

5-Ascending/Descending tone beep

Signifies activation/deactivation of the Bluetooth connection. Hold the trigger for 5+ seconds to toggle this setting.

1 beep + 1 beep

Indicates successful read and transmission to the receiver

1 beep + 3 beep

Indicates successful read, but failed transmission to the receiver. The data is stored on the scanner.

2 beeps before the scanner emits light

Indicates the battery power is low. From this point, the scanner has power for approximately 250 scans.

1 beep + 1 beep + 2 beeps

Indicates barcode was read and stored successfully, but the scanner's memory is nearly full.

1 beep + 3 beeps + 2 beeps

Indicates barcode was read successfully, but transmission failed and the barcode will be stored on the scanner. The scanner's memory is nearly full.

10 tone beeps

The scanner has been programmed successfully 6 tone beeps

The scanner's memory has been purged.

Visual Indicators

Scanner

Flashing **Red** LED: Establishing connection to Receiver

Solid **Red** LED: Connected to Receiver

When plugged in:

Flashing **Green** LED: Battery is in charging mode

Solid **Green** LED: Battery is fully charged

When scanning:

Green LED Flash: Successful scan

Green LED Flash w/ no scanner light: Scanner's memory is full

USB Device

Flashing **Red** LED: Device is not connected to scanner

Solid **Red** LED: Device is connected to scanner