



FR80 Scanner



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13. Fixed seat, used to fix the scanner on the desktop.



1. For the FR80 with the adapter, connect the adapter first and power on the FR80 according to step A and step B in Figure 4. Then connect the data cable (USB data cable or RS-232 data cable) according to step C and step D. Finally connect the handheld barcode scanner if needed, following step E and step F. The power-on duration is about 4 seconds

Power on

- 2.For the FR80 without the adapter, handheld barcode scanner access is not available. It supports power supply via the USB port according to step C and step D. The power-on duration is about 10 seconds
- 3.It is not allowed to connect the non-standard and damaged adapter and forbid conducting step B without step A.
- 4.If you do not hear the power-on beep after powering the device on for more than 30 seconds, it means that the power supply is insufficient and the device will emit an alarm.

Installation of Optional Base

Please fix the base on the desktop through screw holes,

and then install the FR80 as shown in Figure 6 if necessary.

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General parameter setting process

Barcode Scanning

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- 1. Make sure that the scanner, the data cable, the host and power supply are properly connected and powered on normally.
- 2. Place the barcode in the field of view as shown in Figure 5 and aim it at the scan window. The illumination LED will be activated, the red illumination area will appear and the decoding process will begin.
- 3. When the good read beep sounds and the green LED is on, it indicates the decoding is successful. The scanner will transmit the decoded data to the host.



2.Factory Defaults 5.Set Terminating Character Suffix

4. Terminating Character Suffix



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- 7. Position of logo, where the logo is pasted;
- 8. Main RJ45 port, to connect the host with the cable;
- 9. DC port, to connect the adapter for the FR80;
- 10. Position of label, where the label is pasted;
- 11. Position of pad, where four rubber pads are pasted;
- 12. Secondary RJ45 port, to connect the scanner with

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1. For the FR80 with the adapter, disconnect the data cable (USB data cable or RS-232 data cable) firstly, then unplug the adapter and finally pull out the

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- handheld barcode scanner. 2. For the FR80 without the adapter, directly disconnect the data cable.wer supply is insufficient and the device will emit an alarm.
- Blue LED on: initialization or configuration process.
- Green LED on: It indicates successful decode.
- Cyan LED on: configuration is successful.
- Purple LED on: configuration error.

Yellow LED on: The decoding is successful but an alarm is emitted due to data transmission failure. Please check if the data cable connection is loose.

Red LED on: An alarm occurs because of barcode scanning module malfunction. Please contact technical support.

Red LED flashes: An alarm for low input voltage. For the FR80 with the adapter, please check whether power supply of the adapter is normal. For the FR80 without the adapter, it may be because of insufficient power supply of the USB interface.

General parameter setting process

1.Enter Setup and Exit Setup





** Exit Setup

**USB-KBW

Disable Terminating Character Suffix



** Enable Terminating Character Suffix







Screw Hole

Installation of Base



Restore All Factory Defaults

3.USB Interface Conversion







(0x0D)



Set Terminating Character to CRLF (0x0D,0x0A)





External Handheld Barcode Scanner Access

1. After the handheld barcode scanner is connected, set

serial communication interface as RS-232 interface and

communication parameters (including 9600 baud rate, 8 data bits, 1 stop bit and no parity bit and turn on AIMID.

Scan batch barcodes or 1D barcodes below to operate the

Read LED according to actual needs after the FR80

successfully sends received data from the handheld

2. Decide whether to enable Good Read Beep and Good

function.

barcode scanner to the host.

External Handheld Barcode Scanner Access

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Scan 1D barcodes below to connect 1D handheld barcode scanner to the FR80:



Enter Setup

8 Data Bits (RS-232)

Exit Setup



9600 (Baud Rate)

1 Stop Bit (RS-232)

Enable AIM ID Prefix



Exit Setup

Enter Setup

Scanning barcodes below can turn on Good Read LED and Good Read Beep that indicate successful decode:

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External Handheld Barcode Scanner Access

Scanning barcodes below can turn off Good Read LED and

Good Read Beep that indicate successful decode:





Good Read LED & Beep On

Radio Frequency Interference Requirements Radio Transmitters (Part 15)

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. (2) this device must accept any interference received, Including interference that may cause undesired operation

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FCC/CE



CE

Marking and European Economic Area (EEA) Statement of Compliance

Newland hereby declares that this device is in compliance with applicable Directives, 2014/30/EU.









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barcode scanner to the FR80:

Enter Setup

Scan batch barcodes below to connect 2D handheld





@232BAD3;232PAR0;232STP0;232DAT0;AIDENA1;





Exit Setup 12





Enable Batch Barcode



Exit Setup



Enter Setup





Good Read LED & Beep Off