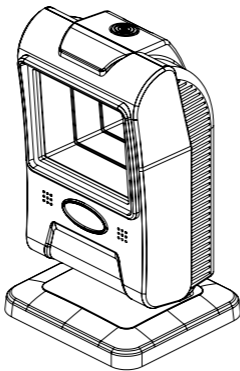




User Manual

1D 2D QR Barcode Scanner



Model: RF-70

Contents

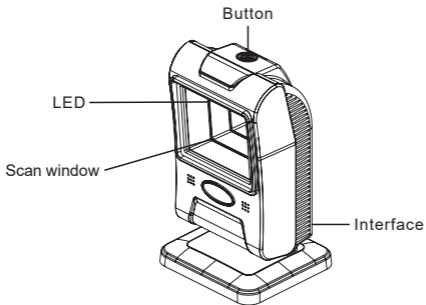
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Factory Default

Structure Chart

Button: control the light switch



How to set it up?

Connect the cable usb end to host device usb port, and the cable RJ45 end to barcode scanner properly.

What it can do?

It can read 1D & 2D barcodes which listed in tech parameter (refer to page 5-6) from paper or led display.

It is compatible with Windows, Android and Linux operating system.

What it can't do?

It can't compatible with Javapos, Opos and Square pos.

Technical Parameter

| Barcode Scanner | |
|---|---|
| Date Item | Parameter |
| Type of Light Source | Red LED Lighting |
| Scan Principle | Image CMOS |
| Decoding Ability | 1D: CEAN- 13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, CodaBar, Code 128, Code93, ITF- 14, ITF-6, Matrix 2 of 5, Interleaved 2 of 5, Industrial 2 of 5, GS1 Databar(RSS), Code 39, Code 11, MSI-Plessey, etc. 2D: QR Code, Data Matrix, PDF417, Micro QR, etc. |
| Motion Tolerance | 1 m/s |
| Resolution | 640*480 |
| Precision | ≥5mil |
| Scan Mode | Automatic Induction Scanning |
| The Distance Between The Scan And The Barcode | 0mm-180mm (13mil Scanning) |
| Bit Error Rate | 1/5 million |
| Field of View | Horizontal: 45°, Vertical: 34° |
| System Compatibility | Windows XP/7/8/10, Linux, Android |
| Material | ABS+PC |

Continue the table below ➡

| | |
|-----------------------|---------------------------------------|
| Cable Length | 2m |
| Working Current | 200mA |
| Working Voltage | DC 5V±5% |
| Shock Resistance | Withstand multiple 3 meters free fall |
| Operating Temperature | -20°C~60°C |
| Storage Temperature | -40°C~70°C |
| Operating Humidity | 5%-95% RH without condensation |

End Character



CR(Default)



CR&LF



TAB



None

Prefix Setting



Add Prefix



Prefix

- Step 1. Scan the "Add Prefix" barcode.
- Step 2. Determine the symbology for the prefix or suffix to be added and determine the 2-digit hexadecimal from the "symbology chart".
- Step 3. Scan the 2 hexadecimal digits in the chart in the appendix of this manual, or scan 9,9 to apply to all symbology.
- Step 4. Determine the hexadecimal value of the prefix/suffix from the ASCII conversion table.
- Step 5. Scan the 2-digit hexadecimal value in the chart in the appendix of this manual.
- Step 6. Repeat steps 4 and 5 for each prefix/suffix character.
- Step 7. Scan the "Save" bar code to exit and save, or scan the "Discard" bar code to exit without saving. Repeat steps 1-6 to add prefixes or suffixes for other symbology.

Suffix Setting



Add Suffix



Suffix

Note: The method of adding the suffix is the same as the prefix.

Inverted Barcode Setting



Disable Inverted 1D Barcode(Default)



Enable Inverted 1D Barcode



Disable Inverted 2D Barcode(Default)



Enable Inverted 2D Barcode

Buzzer Setting



ON(default)



OFF



High



Low

Barcode Settings

All Barcodes



Enable



Disable

EAN 13



Enable(Default)



Disable

EAN 8



Enable(Default)



Disable

UPC-A



Enable(Default)



Disable

UPC-E



Enable(Default)



Disable

EAN-8 to EAN-13



Enable



Disable(Default)

UPC-A to EAN-13



Enable



Disable(Default)

UPC-E to UPC-A



Enable



Disable(Default)

Interleaved 2 of 5



Enable



Disable(Default)

Industrial 2 of 5



Enable



Disable(Default)

Reading Interval Setting



No time interval



500ms



1000ms



1500ms

Keyboard Language



USA(Default)



Canada



French



Britain



German



Italy



Spanish



Japanese

Data Codes

Appendix 1:



0



1



2



3



4



5



6



7



8



9



A



B



C



D



E



F



Save



Discard

Appendix 2:

| Hex | Char |
|-----|--------------------------------------|
| 00 | NUL (Null char.) |
| 01 | SOH (Start of Header) |
| 02 | STX (Start of Text) |
| 03 | ETX (End of Text) |
| 04 | EOT (End of Transmission) |
| 05 | ENQ (Enquiry) |
| 06 | ACK (Acknowledgment) |
| 07 | BEL (Bell) |
| 08 | BS (Backspace) |
| 09 | HT (Horizontal Tab) |
| 0a | LF (Line Feed) |
| 0b | VT (Vertical Tab) |
| 0c | FF (Form Feed) |
| 0d | CR (Carriage Return) |
| 0e | SO (Shift Out) |
| 0f | SI (Shift In) |
| 10 | DLE (Data Link Escape) |
| 11 | DC1 (XON) (Device Control 1) |
| 12 | DC2 (Device Control 2) |
| 13 | DC3 (XOFF) (Device Control 3) |
| 14 | DC4 (Device Control 4) |
| 15 | NAK (Negative Acknowledgment) |
| 16 | SYN (Synchronous Idle) |
| 17 | ETB (End of Trans. Block) |
| 18 | CAN (Cancel) |
| 19 | EM (End of Medium) |
| 1a | SUB (Substitute) |
| 1b | ESC (Escape) |
| 1c | FS (File Separator) |
| 1d | GS (Group Separator) |
| 1e | RS (Request to Send) |

| Hex | Char |
|-----|-----------------------------|
| 40 | @ (AT Symbol) |
| 41 | A |
| 42 | B |
| 43 | C |
| 44 | D |
| 45 | E |
| 46 | F |
| 47 | G |
| 48 | H |
| 49 | I |
| 4a | J |
| 4b | K |
| 4c | L |
| 4d | M |
| 4e | N |
| 4f | O |
| 50 | P |
| 51 | Q |
| 52 | R |
| 53 | S |
| 54 | T |
| 55 | U |
| 56 | V |
| 57 | W |
| 58 | X |
| 59 | Y |
| 5a | Z |
| 5b | [(Left / Opening Bracket) |
| 5c | \ (Back Slash) |
| 5d |] (Right / Closing Bracket) |
| 5e | ^ (Caret / Circumflex) |

Continue the table below ➡

| | | |
|----|----|-------------------------------|
| 1f | US | (Unit Separator) |
| 20 | SP | (Space) |
| 21 | ! | (Exclamation Mark) |
| 22 | " | (Double Quote) |
| 23 | # | (Number Sign) |
| 24 | \$ | (Dollar Sign) |
| 25 | % | (Percent) |
| 26 | & | (Ampersand) |
| 27 | ' | (Single Quote) |
| 28 | (| (Right / Closing Parenthesis) |
| 29 |) | (Right / Closing Parenthesis) |
| 2a | * | (Asterisk) |
| 2b | + | (Plus) |
| 2c | , | (Comma) |
| 2d | - | (Minus / Dash) |
| 2e | . | (Dot) |
| 2f | / | (Forward Slash) |
| 30 | 0 | |
| 31 | 1 | |
| 32 | 2 | |
| 33 | 3 | |
| 34 | 4 | |
| 35 | 5 | |
| 36 | 6 | |
| 37 | 7 | |
| 38 | 8 | |
| 39 | 9 | |
| 3a | : | (Colon) |
| 3b | ; | (Semi-colon) |
| 3c | < | (Less Than) |
| 3d | = | (Equal Sign) |
| 3e | > | (Greater Than) |
| 3f | ? | (Question Mark) |

| | | |
|----|-----|-----------------------|
| 5f | _ | (Underscore) |
| 60 | ' | (Grave Accent) |
| 61 | a | |
| 62 | b | |
| 63 | c | |
| 64 | d | |
| 65 | e | |
| 66 | f | |
| 67 | g | |
| 68 | h | |
| 69 | i | |
| 6a | j | |
| 6b | k | |
| 6c | l | |
| 6d | m | |
| 6e | n | |
| 6f | o | |
| 70 | p | |
| 71 | q | |
| 72 | r | |
| 73 | s | |
| 74 | t | |
| 75 | u | |
| 76 | v | |
| 77 | w | |
| 78 | x | |
| 79 | y | |
| 7a | z | |
| 7b | { | (Left/ Opening Brace) |
| 7c | | (Vertical Bar) |
| 7d | } | (Right/Closing Brace) |
| 7e | ~ | (Tilde) |
| 7f | DEL | (Delete) |

Symbology Chart

| Symbology | Hex |
|------------------------------------|-----|
| Codabar | 61 |
| Code 11 | 68 |
| Code 128 | 6A |
| Code 32 Pharmaceutical (PARAF) | 3C |
| Code 39 (supports Full ASCII mode) | 62 |
| TCIF Linked Code 39 (TLC39) | 54 |
| Code 93 and 93i | 69 |
| EAN | 64 |
| EAN-13 (including Bookland EAN) | 64 |
| EAN-13 with Add-On | 64 |
| EAN-13 with Extended Coupon Code | 64 |
| EAN-8 | 44 |
| EAN-8 with Add-On | 44 |
| GS1 | |
| GS1 DataBar | 79 |
| GS1 DataBar Limited | 7B |
| GS1 DataBar Expanded | 7D |
| GS1-128 | 49 |
| China Post (Hong Kong 2 of 5) | 51 |
| Interleaved 2 of 5 | 65 |
| Matrix 2 of 5 | 6D |
| NEC 2 of 5 | 59 |

Continue the table below ➡

| | |
|--------------------------------------|----|
| Straight 2 of 5 IATA | 66 |
| Straight 2 of 5 Industrial | 66 |
| MSI | 67 |
| Telepen | 74 |
| UPC | |
| UPC-A | 63 |
| UPC-A with Add-On | 63 |
| UPC-A with Extended Coupon Code | 63 |
| UPC-E | 45 |
| UPC-E with Add-On | 45 |
| UPC-E1 | 45 |
| Aztec Code | 7A |
| Chinese Sensible Code (Han Xin Code) | 48 |
| Codablock A | 56 |
| Codablock F | 71 |
| Code 49 | 6C |
| Data Matrix | 77 |
| GS1 | 79 |
| GS1 Composite | 79 |
| GS1 DataBar Omnidirectional | 79 |
| MaxiCode | 78 |
| PDF417 | 72 |
| MicroPDF417 | 52 |
| QR Code | 73 |
| Micro QR Code | 73 |

Problems and Solutions

Problems: Barcode scanner is not working properly, possible reasons:

- 1.The barcode scanner is not powered up, check the usb port and power supply of the host device, try to re-plug the usb cable.
- 2.Used incorrect usb cable, please use the original usb cable provided in the box.
- 3.The usb cable is loose, try to reconnect it.
- 4.Check the barcode scanner trigger whether it is work properly.

Problems: Barcode scanner reading properly, but the output is incorrect, or no output.

- 1.If the output is garbled characters, maybe the barcode scanner output speed is much higher than the host device usb port receiving speed, please contact our technical team to request details setting step to slow the output speed.
- 2.If the barcode scanner reading properly, but there is no output, try to re-plug the usb cable to host device.
- 3.If the output is garbled characters or incorrect characters, try to set the keyboard language accordingly (refer to page 13).

Problem: Barcode scanner is unable to read barcodes, possible reasons:

- 1.The barcode type not listed in the tech parameters (refer to page 5).

2. The barcode type listed in the tech parameters, but default is disabled, please try to enable it (refer to page 9-12).

3. Inverted barcodes need to enable (refer to page 8).

4. The barcode type listed in the tech parameters and already enabled still not to read, please try to contact our technical team for further support.

Other questions or problems still can't be fixed, please contact our technical team for further support.

For more setting, welcome to contact us for tech support.

Service support: support@obzshop.com

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