



13.56MHZ Bluetooth RFID Reader

1D 2D Bluetooth Barcode Scanner


Manual

Model: R58B/R58D/R58C

Revise Date: 2019-9-4

R58B is 13.56M/125Khz non-contact RF card reader and 1D/2D barcode scanner based on barcode recognition, RFID radio frequency identification technology and Bluetooth communication. Low power consumption, up to 1 year long standby time, no need traditional wired data transmission, also no need additional power supply (built-in Li-battery), just need Bluetooth pairing between receiving device and reader, then it will transmit the UID of RFID card to devices directly.

1 Specifications

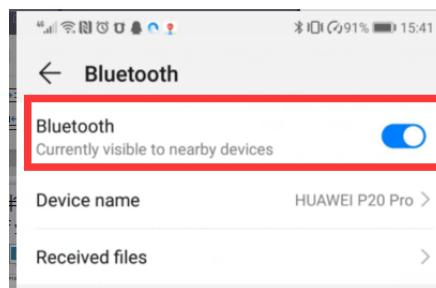
Item	Specifications	Pictures
Model	R58B/R58C/R58D	
Frequency	125KHZ/13.56MHz	
Card Type	S50/S70/Ntag203/Ntag213	
Decode Capability:	1D: UPC-A, UPC-E, EAN-8, EAN-13, Code 128, Code 39, Code 93, Code 11, Interleaved 2 of 5, Matrix 2 of 5, China post etc. 2D: QR Code, Data Matrix, etc	
Communication	Bluetooth/2.4G	
Format	Default 8-bit hex system (format customizable, like 10-bit 10 system/10-bit hex system etc)	
Distance	20mm-60mm (depend on card type)	
Reading Rate	106K/Bit	
Reading Speed	0.1S	
Reading Interval	0.5S	
Reading Time	<100mS	
Working Temperature	-20°C—70°C	
Working Current	100mA	
Charge Voltage	5V	
Dimensions	(product) /142mm×90mm×61mm (package)	
Weight	50G (product) /150G (package)	
Operating System	IOS, Win 7\Win 10\Android, etc	
Others	Status indicator: 4-colors LED (white :connection status, red :scan confirmation, blue: indicator, green:power Built-in buzzer	

2 Features

- No need password, easy pairing.
- Long distance transmission, stable 10 meters.
- Long standby time, when fully charged. (8 hours charging, 1 year standby).
- Fast transmission, plug and play.
- Easy charging with phone charger.
- Default Enter when date output, no need manual click.
- Widely used for Windows, IOS, Android and other Bluetooth enabled devices.

3 Using Method (IOS for example)

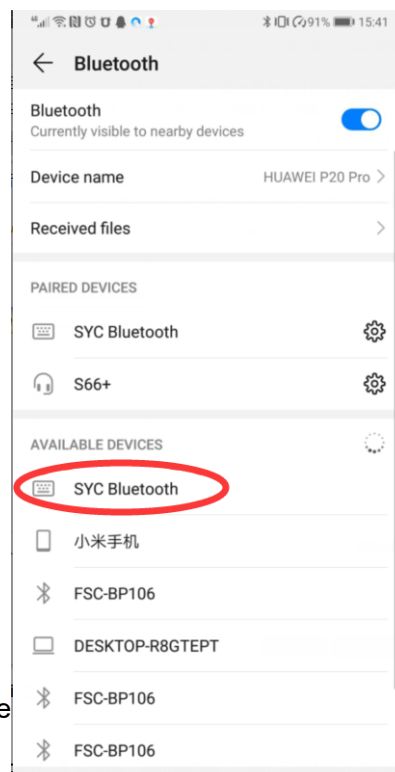
1, Enable Bluetooth of phone or other devices (Pic1)



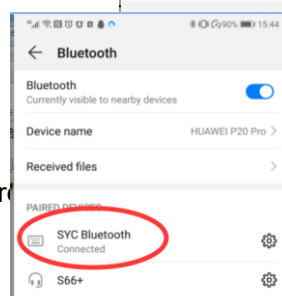
2, Press blue button on reader for 1-2s, the first light on the left of the reader blinks, then “SYC Bluetooth” (Bluetooth name of reader) will show in searching list (Pic3)



Pic2



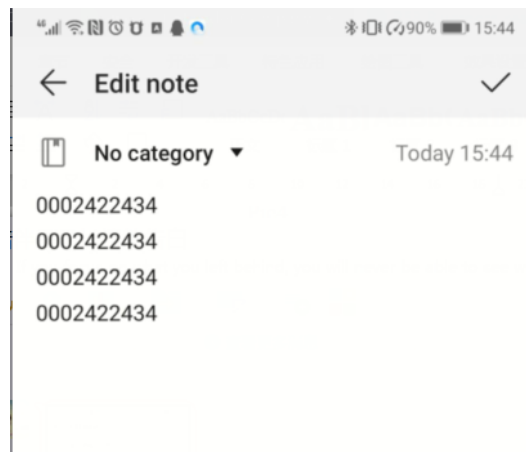
3, Choose “SYC Bluetooth”, if shows “connected” on done, and into standby for card reading (Pic4).



4, Open document of phone (like Word, Excel, etc), place card on RFID reading

Pic4

area or scan the 1D/2D barcode , then it will output date automatically (Pic5).



Pic5

4 Notes

- This reader is only suitable for 13.56MHz IC card, not for Bluetooth card (2.4GHz)
- When reading card data, please adjust system language to English of phone or other device, so as to output date more completely.
- For correct reading, recommend to move card to reader front panel normally, not fast sliding at side panel which may fail to read.
- Attached cable not for data communication, only for reader charging.
- Real reading distance may differ due to many affecting factors, like different protocols, different aerial design, different environment nearby (mainly metals), different cards, etc.
- Built-in sleep system. When reader not used, into auto sleep after 60 seconds, if need restarting, press button for 1-2 seconds, reader will be back to working state.

5 Pictures

