RT234 Demo Quickstar Guide

RT234 Quick User Guide
(For Sample Test)

Thank you for choosing RTscan!

What bar codes can RT234 read?

OCR-B / MRZ:
Machine readable passports (MRP): 2 lines of 44 characters. Readable distance: 15cm-30cm.
ID documents: 3 lines of 30 characters. Readable distance: 14cm-30cm.

PDF417 from ID documents:
High density PDF417 in ID documents of different countries. Readable distance: 10cm-20cm.

Most 1D & 2D barcodes: QR code, Data Matrix, Aztec, Maxicode etc.

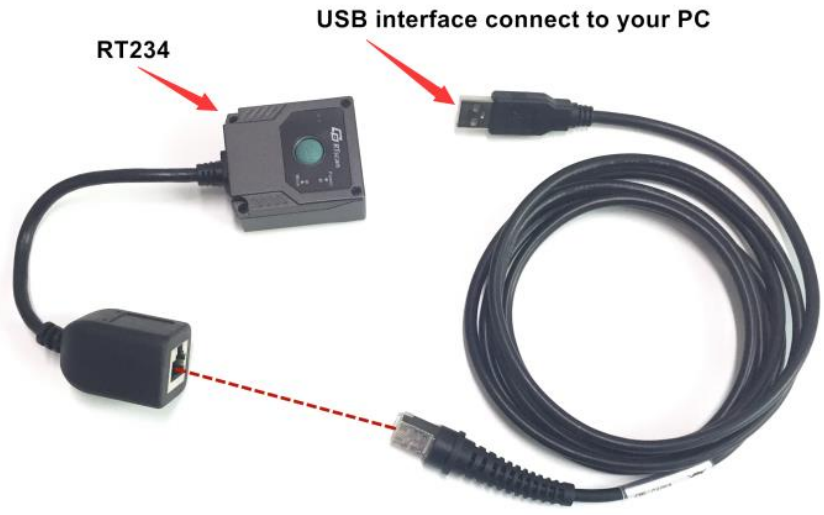
How to set up (configure) the reader?

Kindly follow the below 3 steps to set up the reader :

1st : Scan setting code “Enter Setup” at the upper corner of each page.
2nd : Scan the required setting code like baud rate “9600” or “115200” etc.
3rd : Scan setting code “Exit Setup” at the bottom corner of each page.

How to use RT234 reader with USB Virtual COM?

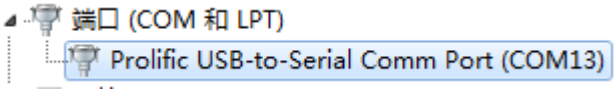
If your samples come with USB interface, the default setting is USB Virtual COM, you will need to have a software that can work with a virtual serial port to test the scanner.



① Connect the reader with your PC or terminal.

② In most cases, the computer will install the driver automatically, if not, please contact our sales to get the driver.

③ Confirm the COM port number at Device Manager as below picture, below is the COM13.



④ Run a **virtual serial port tool** or **RTscan's MRZ reader demo software**, then pick the exact COM port number (like the above is COM13) and also the correct baud rate 9600 (default baud rate is 9600). Kindly note RTscan MRZ reader demo software can output only OCR data, to read the PDF417 code or some other 1D/2D bar codes, kindly run a virtual serial port tool.

virtual serial port tool :

https://drive.google.com/open?id=1WFVkR304O5MlIpI0j5qmqWaA0d0ZbeC7

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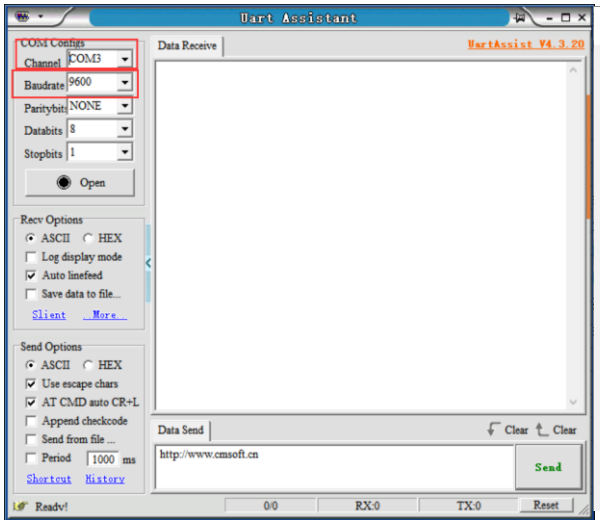
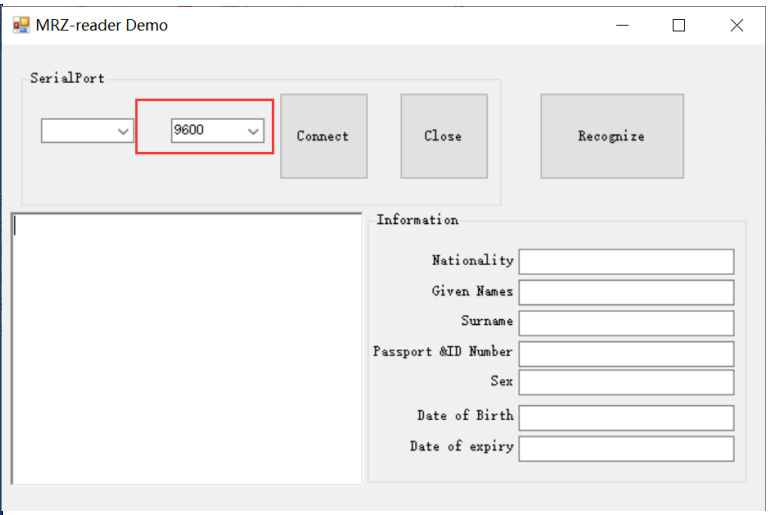
RTscan MRZ reader demo software:

https://drive.google.com/file/d/1QrlCp4tzRNLw2dDOWYA59SPVA_dpjHB2/view

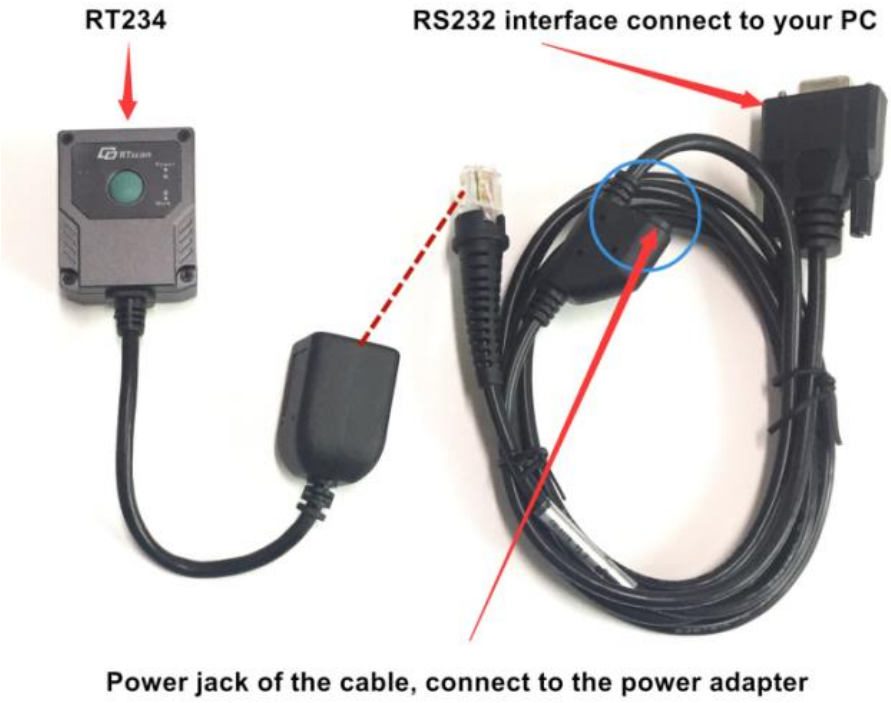




⑤ After all the above settings, show the ID documents in front of the reader at a distance around **20cm**, then it can be detected and read automatically.

How to use the reader with RS232 serial port?

Follow the above steps of ①③④⑤.



Optional: RS232 power adapter

To facilitate our customer sample test, we provide power adapter for RS232 cable, but it's optional.
It included a power adapter and 3 types of plug.

How to use RT234 reader with USB-HID KBW?

When the scanner is connected to the USB port on a PC, you can enable the USB HID Keyboard feature by scanning the barcode below. Then scanner's transmission will be simulated as USB keyboard input, it's plug and play, connect the scanner with your computer and run Notepad / MS Word, after reading the barcode, the decoded data will be shown there.

@SETUPE1

Enter Setup

@INTERF3

USB HID Keyboard

@SETUPE0

**** Exit Setup**

How to work by commands?

You can program the barcode reader by commands, kindly refer to the RT234 User Guide Page 13 - Page17.

Important tips:

1. Once “Restore Factory Default” is configured:
① It will disable OCR reading, please enable the OCR reading to activate the function to read OCR (refer to page 188 of the Manual).
② It will turn to the USB Virtual COM mode, and the baud rate is 9600.

2. Kindly run either the MRZ reader demo software or the Virtual Serial port tool to test the scanner, when you switch from one software to the other software, please make sure the previous software is quit, otherwise the newly opened software cannot detect the COM port.

3. It is highly recommended to build a platform to set a best reading distance (around 20cm) by fixing the reader in the terminal machine as below picture. Then the OCR/MRZ from documents can be detected and read easily within the fixed reading distance.