

How to use Serial Debug Assistant?

Applied to Generalscan Scanners GS R1120&R152X&R352X&R552X Series

Ver 1.0
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Overview

This article is used to guide how to use the free application “Serial Debug Assistant” to output barcode information after connected with Generalscan scanners.

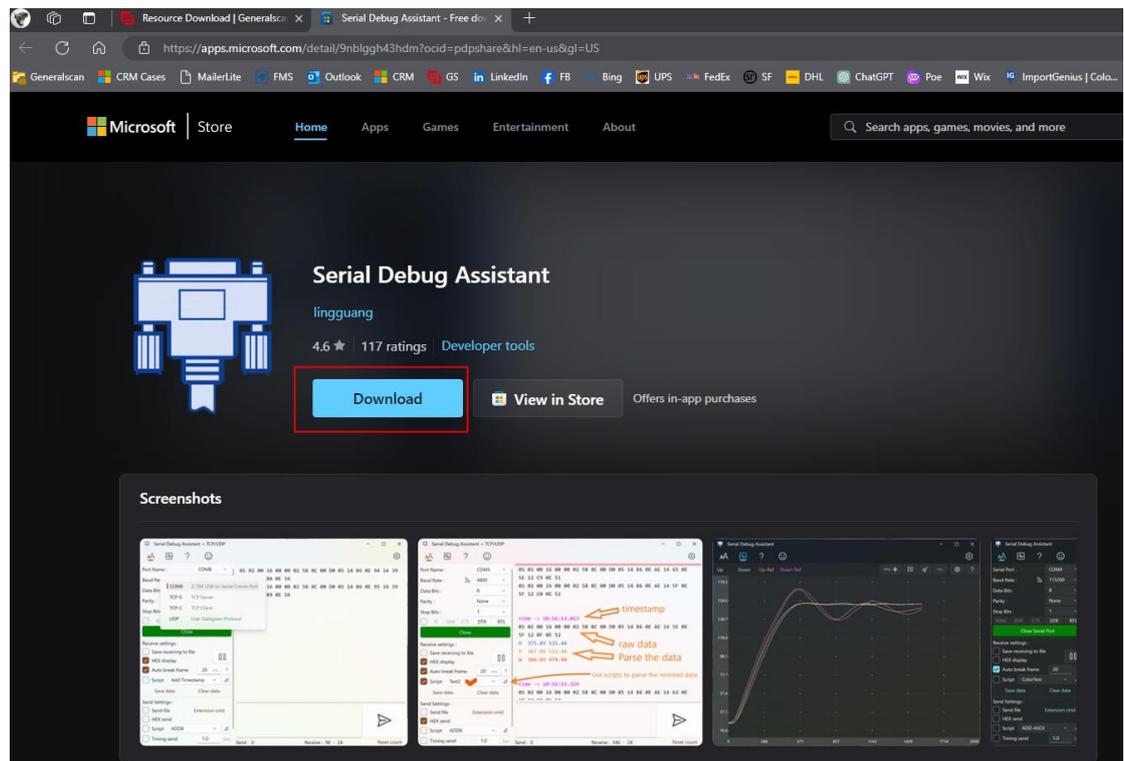
Step

1. Download and Install the App

1.1. Download the app by opening the web link below.

<https://www.microsoft.com/store/productId/9NBLGGH43HDM?ocid=pdfshare>

1.2. Click "Download". Then follow the automatic pop-up prompts to install it step by step.



The screenshot displays the Microsoft Store page for the application "Serial Debug Assistant" by "linguang". The app has a 4.6 star rating from 117 ratings and is categorized as a "Developer tool". A red rectangular box highlights the "Download" button. Below the main product information, there are three screenshots of the application's interface. The first screenshot shows the "Serial Debug Assistant" window with various settings and a data stream. The second screenshot shows a data stream with annotations: "timestamp" pointing to a value, "raw data" pointing to a hex string, and "Parse the data" pointing to a script. The third screenshot shows a graph of the data stream.

2. Settings from Serial Debut Assistant App

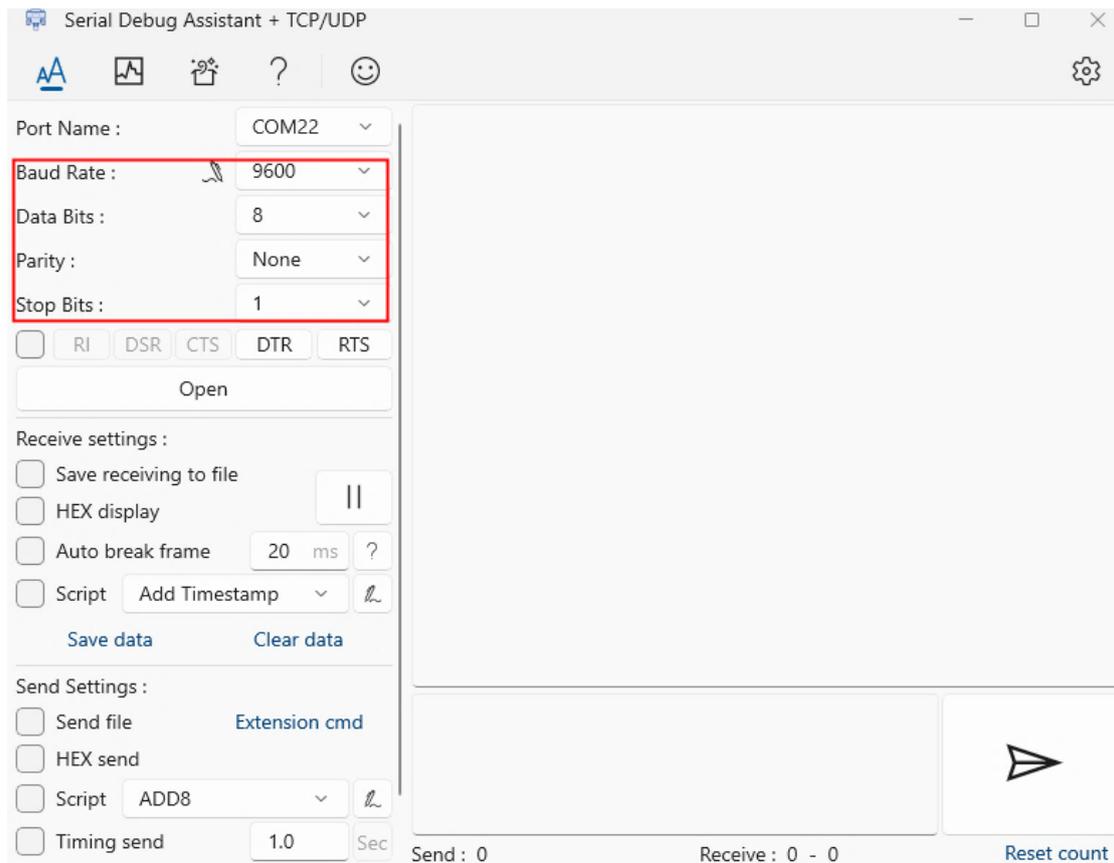
Please set the following parameters as below

“Baud Rate: 9600”

“Data Bits: 8”

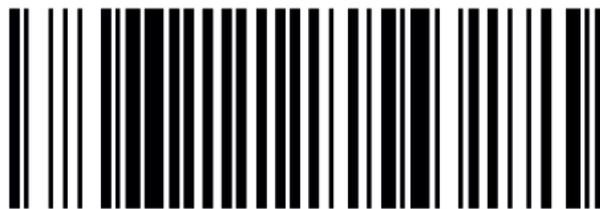
“Parity: None”

“Stop Bits: 1”



3. Connect with scanners at Bluetooth SPP mode

3.1 Enter into SPP mode by scanning the barcode below after powering on the scanner (the blue light on the scanner blinks slowly).



Bluetooth SPP Mode

3.2 Bluetooth Setting from computer and pair with scanner

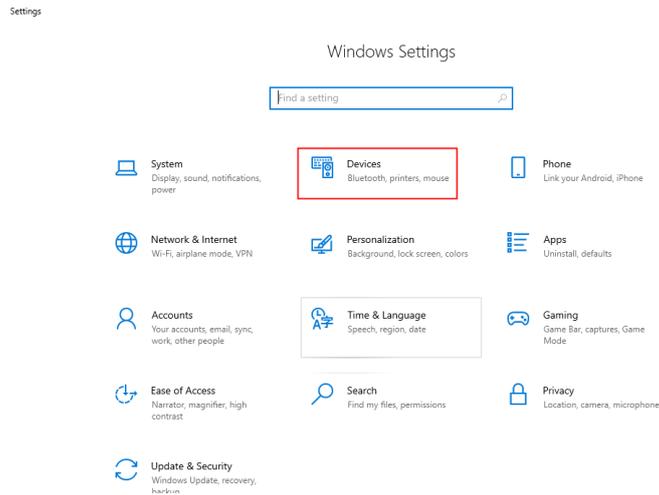
3.2.1 Click on the “Start” icon in the image below from your computer.



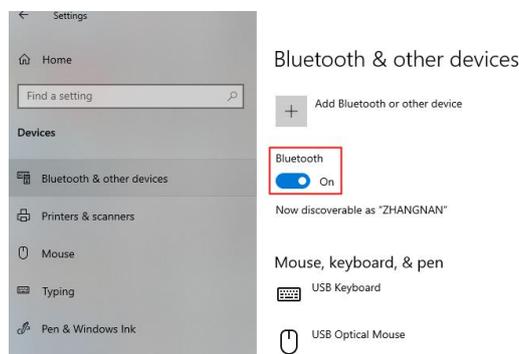
3.2.2 Click on “Setting”.



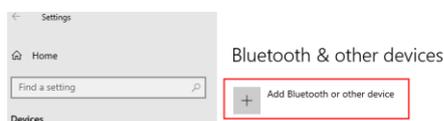
3.2.3 Click on “Devices”.



3.2.4 Enable “Bluetooth”.



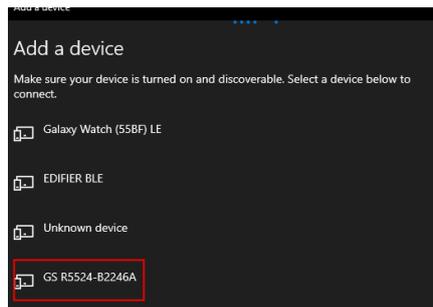
3.2.5 Click on “Add Bluetooth or other device”.



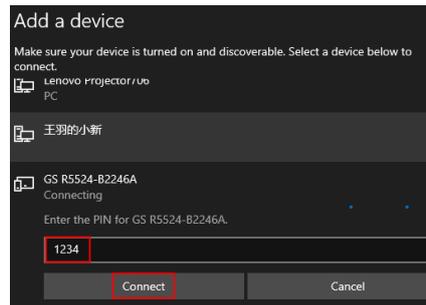
3.2.6 Click on “Bluetooth”.



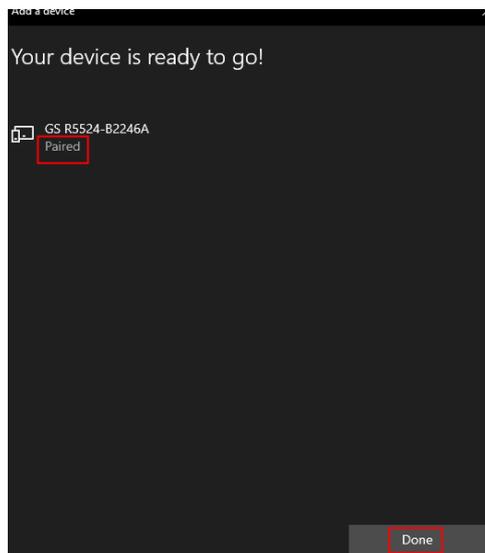
3.2.7 Find the Bluetooth name of testing scanner, then click on it. (the scanner tested is R5524).



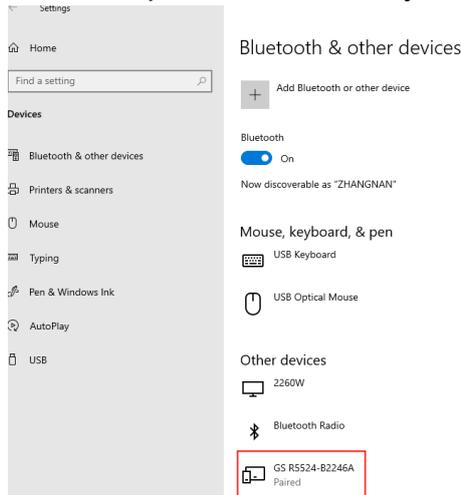
3.2.8 Click on “Connect” after inputting “1234” in the pop-up window.



3.2.9 Once it shows “paired” from the pop-up window, click “Done”.

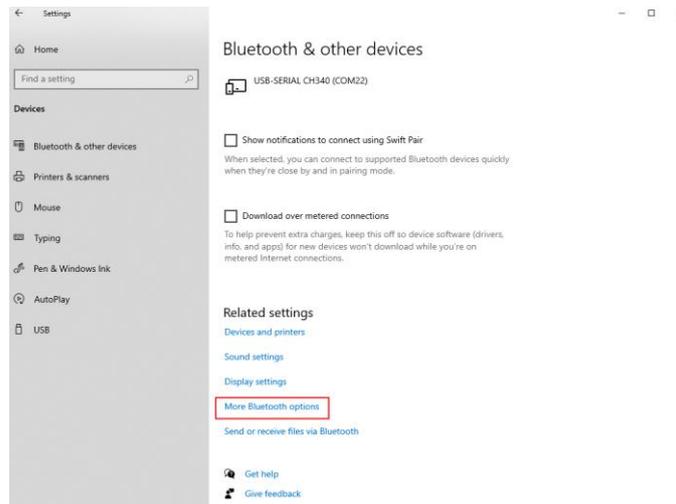


3.2.10 Until now, the scanner is paired successfully with the computer.

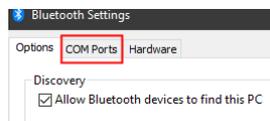


3.3 Identify COM port.

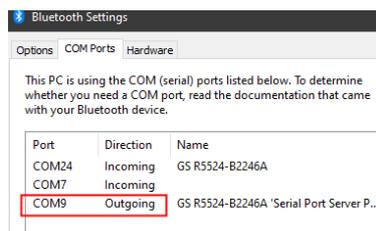
3.3.1 Click on “More Bluetooth options”.



3.3.2 Click on “COM Ports”.

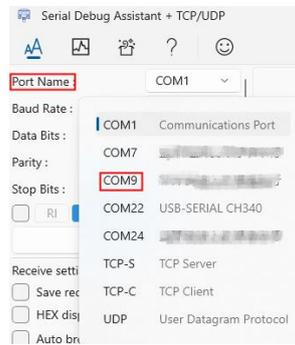


3.3.3 Confirm the “Outgoing” port of scanner. The testing scanner’s “Outgoing” port is “COM9”.

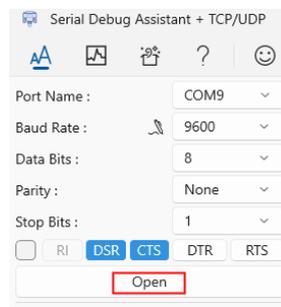


3.4 Connect with scanner and start to scan

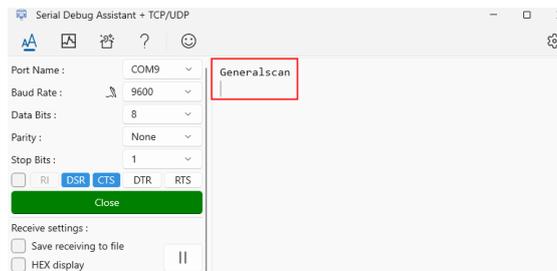
3.4.1 Open Serial Debug Assistant, and set the “Outgoing” port as “COM9” at “Port Name”.



3.4.2 Then click on “Open”.



3.4.3 Now scan a barcode, its information will be displayed from the Serial Debug Assistant on computer.



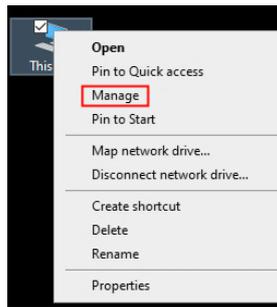
4. Connect with scanners at USB VCP mode

4.1 Enter into USB VCP mode by scanning the barcode below after powering on the scanner (the blue light on the scanner blinks slowly).

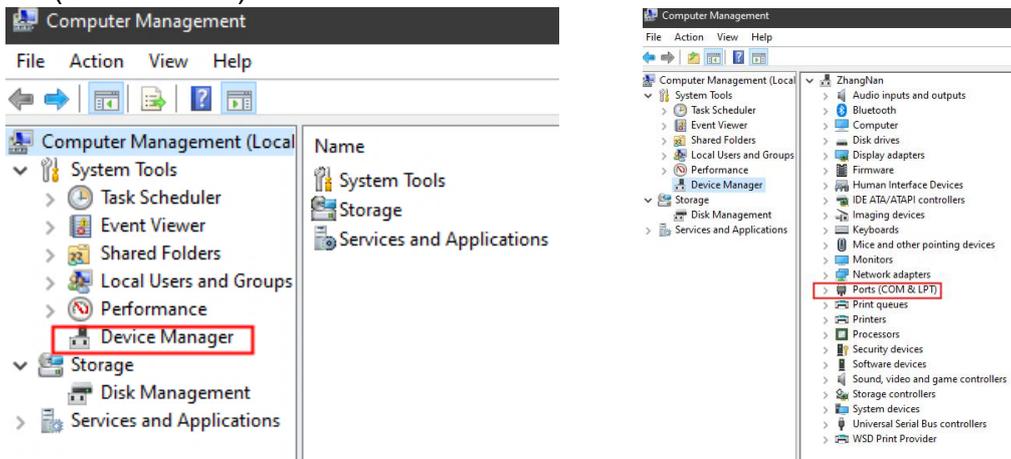


USB-VCP Mode

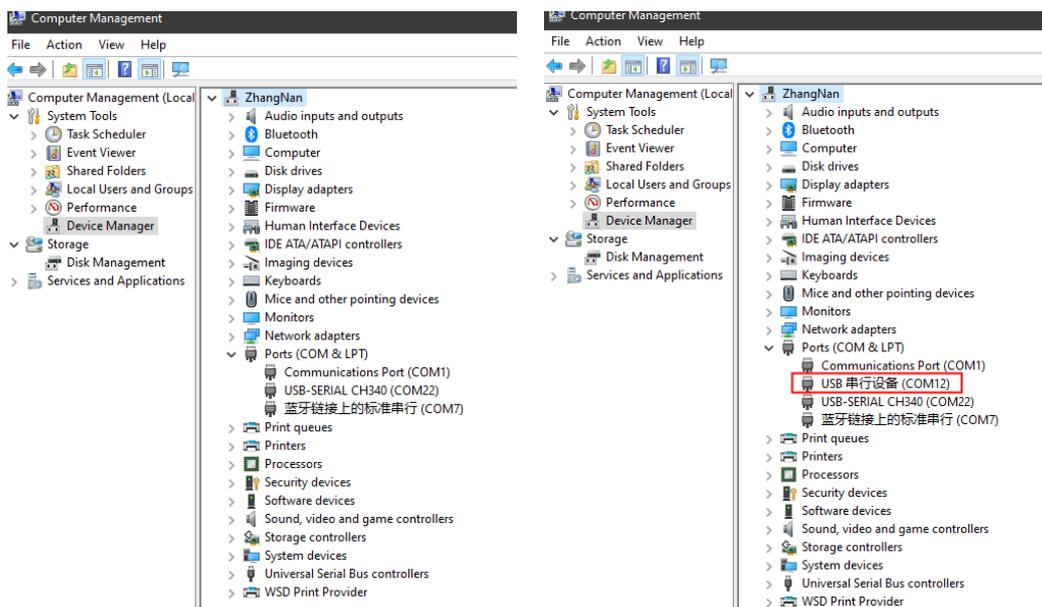
4.2 Right click “This PC” from computer, then click on “Manage”.



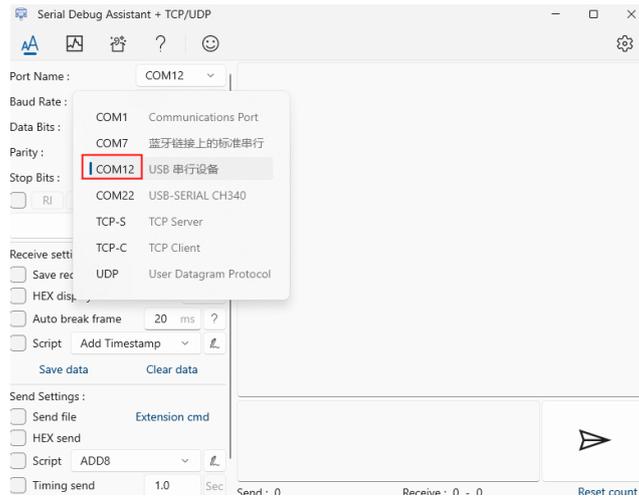
4.3 Click on “Device Manager” from automatically pop up window, and open “Ports (COM & LPT)”.



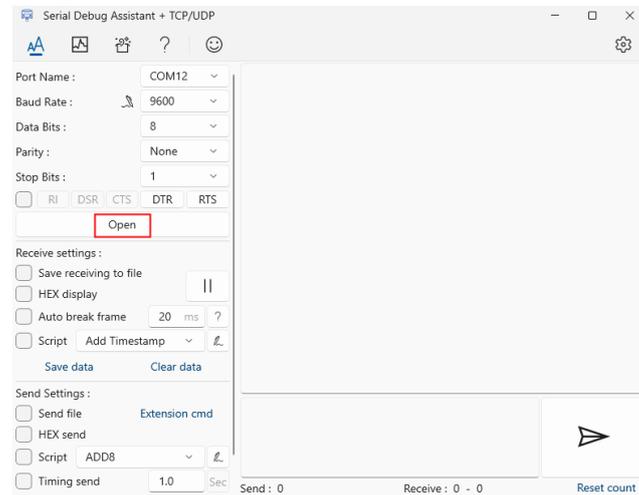
4.4 You can see the current list of serial devices connected to the computer after opening it. Please connect the scanner to computer with the cable included in the package, one more device will be displayed in the serial device list after the successful connection. That is the port corresponding to the scanner. (the port for the testing scanner is COM12).



4.5 Open Serial Debug Assistant app, and choose “COM12” at “Port Name”.



4.6 Then click on “Open”.



4.7 Now scanning a barcode with scanner, its information will be displayed from the app on computer.

