How to use Serial Debug Assistant?

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

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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. <u>https://www.microsoft.com/store/productId/9NBLGGH43HDM?ocid=pd</u> <u>pshare</u>
- 1.2. Click "Download". Then follow the automatic pop-up prompts to install it step by step.



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

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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.
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- 3.2.2 Click on "Setting".

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3.2.3 Click on "Devices".

Settings

		W	indows Settings		
		Find a setting		Q	
旦	System Display, sound, notifications, power		Devices Bluetoath, printers, mouse		Phone Link your Android, iPhone
	Network & Internet Wi-Fi, airplane mode, VPN	Ą	Personalization Background, lock screen, colors	Ē	Apps Uninstall, defaults
8	Accounts Your accounts, email, sync, work, other people	A₽ A₽	Time & Language Speech, region, date	•	Gaming Game Bar, captures, Game Mode
ዑ	Ease of Access Narrator, magnifier, high contrast	Q	Search Find my files, permissions	A	Privacy Location, camera, microphone
C	Update & Security Windows Update, recovery,				

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.

Ado	Add a device				
Make conne	e sure your device is turned on and discoverable. Select a device below to hect. Lenovo Projector700 PC				
₽.	王羽的小	新			
£.	GS R5524 Connecti Enter the	1-B2246A ng PIN for GS R552	24-B2246A.		
	1234				
		Connect		Car	ncel

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



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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".

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Port Name		COM1	~
Baud Rate : Data Bits :	COM1	Commu	inications Port
Parity :	COM7	lip f Car	iTenno
Stop Bits :	COM9	Sinne	1.1 8 2 1 2
RI	COM22	USB-SE	RIAL CH340
	COM24	1477.00	82.0.周期回答
Receive setti	TCP-S	TCP Ser	ver
Save rec	TCP-C	TCP Clie	ent
HEX dis	UDP	User Da	tagram Protoco

3.4.2 Then click on "Open".

🛱 Serial Debug Assistant + TCP/UDP					
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Port Nar	ne :		COM9	×]	
Baud Ra	te :	l.	9600	~	
Data Bits	5:		8	~	
Parity :			None	~	
Stop Bits			1	~	
RI	DSR	CTS	DTR	RTS	
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

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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



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".

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Port Name :	COM12 ~		
Baud Rate : Data Bits : COM1 Parity : COM7	Communications Port 蓝牙链接上的标准串行		
Stop Bits : COM12	USB 串行设备		
RI COM22	USB-SERIAL CH340		
TCP-S	TCP Server		
Receive setti TCP-C	TCP Client		
Save rec UDP	User Datagram Protocol		
Auto break frame	20 ms ?		
Script Add Timest	amp v L		
Save data	Clear data		
Send Settings :			
Send file	Extension cmd		
HEX send			\triangleright
Script ADD8	~ []		-
Timing send	1.0 Sec Send 0	Receive : 0 - 0	Reset cou

4.6 Then click on "Open".

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Port Name :	COM12 ~				
Baud Rate : 🔍 🔍	9600 ~				
Data Bits :	8 ~				
Parity :	None ~				
Stop Bits :	1 ~				
RI DSR CTS	DTR RTS				
Open					
Receive settings :	_	-			
Save receiving to file					
HEX display					
Auto break frame	20 ms ?				
Script Add Times	tamp 🗸 🛴				
Save data	Clear data				
Send Settings :					
Send file	Extension cmd				
HEX send					\triangleright
Script ADD8	~ l~	1			
Timing send	1.0 Sec	Send: 0	Receive: 0 - 0		Reset count

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

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Port Name :	COM12	~	Generalscan			
Baud Rate :	9600	~				
Data Bits :	8	~				
Parity :	None	~				
Stop Bits :	1	~				
RI DSR CT	S DTR	RTS				
Clo	se					
Receive settings : Save receiving to HEX display Auto break frame Script Add Tim Save data	file 20 ms restamp ~ Clear data	 ? &				
Send Settings : Send file HEX send Script ADD8	Extension cr	md			⊳	
Timing send	1.0	Sec	Condit 0		Decet	