# How to use Windows BLE Demo

(Applied to R1120 R152x R352X, and R552X series)

Ver 1.0 12-9-2024

## **Overview**

This document is used to guide how to use the app "BLE Demo" to work with the scanner under Windows system.

# **Steps**

- 1. Download and install the app
- 1.1 Click this URL to enter the download page. https://www.generalscan.cloud/resourcedownload
- 1.2 Click "Download" to download.



# **Resource Download**

Document Do	ownload			
All ~	App ~			
产品系列	文件名称	类别	发布日期	下载链接
R552X Thumbutton Scanner Series	Windows BLE Demo	Арр	11/12/2024	Download
R552X Glove Scanner Series	Windows BLE Demo	Арр	11/12/2024	Download
R552X Glove Scanner Mark III Series	Windows BLE Demo	App	11/12/2024	Download
R552X Glove Scanner Mark II Series	Windows BLE Demo	Арр	11/12/2024	Download

1.3 Unzip and double click the downloaded .exe file.

Name	Date modified	Туре	Size
🔄 BLE Demo.exe	2024-12-02 7:41 AM	Application	392 KB
BLE Demo.exe.config	2024-11-17 9:32 AM	Adobe Acrobat 文	1 KB
BLE Demo.pdb	2024-12-02 7:41 AM	PDB File	72 KB
🚳 BleSdk.dll	2024-12-02 7:41 AM	Application exten	20 KB
BleSdk.pdb	2024-12-02 7:41 AM	PDB File	46 KB
🚳 NLog.dll	2024-09-13 12:43 AM	Application exten	945 KB
🗌 🗟 zxing.dll	2023-02-23 4:37 AM	Application exten	510 KB
zxing.presentation.dll	2023-02-23 4:37 AM	Application exten	20 KB

1.4 There is a pop-up window at the first-time use, asking for installing "NETFFramework". Please click "Yes".

BLE Dem	o.exe - This application could not be started.	$\times$	
8	This application requires one of the following versions of the .NET Framework: .NETFramework,Version=v4.8.1 Do you want to install this .NET Framework version now?		
	Yes + <sup>1</sup> No + <sup>1</sup>		

1.5 Then click "Download .NET Framework 4.8.1 Runtime" to download it.



1.6 Then install it following its steps.

## 2. Connection

"BLE Demo" app can be connected by two ways of "Manual Connect" and

"Scan QR".

G BLE Demo		-		×
Connect scanner	Send Data	~	Send	
	Received Data		Cond	
	ASCII ~		Clear	_
	Log			_
Start Discovery Connect				
Manual Connect O Scan QR				~

### 2.1 Steps of connection by "Manual Connect"

2.1.1 Switch the scanner to BLE mode by scanning the following barcode (The Blue LED blinks twice fast and one time slow).



Bluetooth BLE Mode

2.1.2 Open the app, the default connection way is "Manual Connect", and then click "Start Discovery".



BLE Demo	
Connect scanner	
Filter	
Obert Discourse	Connect
Start Discovery	Connect
Manual Connect	○ Scan QR

2.1.3 Select the Bluetooth name of the device to be connected, then click "Connect". (The demo scanner is R1522).

💁 BLE Demo	
Connect scanner	
Bluetooth 4b:5b:de:e6:25:82	
GS R1522-B18A47 e0:ff:f1:4e:48:7f	
Bluetooth 47:8f:d9:c1:19:51	
Bluetooth 5d:ed:3d:65:98:0b	
Bluetooth 59:a1:47:36:9f:4c	
Bluetooth 73:2e:e3:20:37:76	
Filter	]
Stop Discovery Connect	
Manual Connect     O Scan QR	

2.1.4 It will be shown successfully connected on the app after the right connection.

## GENERALSCAN

BLE Demo	-	
Connect scanner	Send Data	
Bluetooth ^ 4b:5b:de:e6:25:82	· · · · · · · · · · · · · · · · · · ·	Send
GS R1522-B18A47 e0:ff:f1:4e:48:7f	Received Data	
Bluetooth 47:8f:d9:c1:19:51	ASCII ~	Clear
Bluetooth 5d:ed:3d:65:98:0b		^
Bluetooth 59:a1:47:36:9f:4c		
Bluetooth 73:2e:e3:20:37:76		
RTK_BT_4.1 30:95:87:32:03:9c		
Bluetooth 66:17:1a:ed:33:45		~
•	Log	
Filter	[10:44:06]:Searching for devices [10:45:50]:Devices discovery has been stopped	^
Start Discovery Disconnect	[10:45:53] Device connection status Success [10:45:53] Device connection status Success	
Manual Connect     O Scan OR		~

2.1.5 Now the scanner can work as normal.

#### 2.2 Steps of connection by "Scan QR"

2.2.1 This connection only can be used for firmware version V6.2.0 and the later versions.

2.2.2 Firstly click "Scan QR" from the app.

DEC DEINO
Connect scanner
<u> </u>
1
{G6000/00003A97-0000-1000-8000-00805F9B34-B}
○ Manual Connect 🛛 🖲 Scan QR

2.2.3 After the scanner powered on, scan the QR code shown on the app (There is no need to switch the scanner into Bluetooth BLE mode, the connection will be done under any mode after scanning this code.). After scanning the code, the connection will be automatically done. It will be shown successfully connect on the app.

## GENERALSCAN

Connect scanner	Send Data	
		✓ Send
	Received Data	
	ASCII ~	Clear
- 73 - 67 W.R.		^
	8	
88.3.479		
HER NEW	£	
(1) (2) (2) (2) (2)	8	
ELECTRON CONTRACTOR	K	v
	Log	
	[10:54:28]: The device has been connected [10:56:21]:Found device GS R1522-B18A47 with address E0:FF:F1:4E:48:7F	
	[10:56:21]:Devices discovery has been stopped	
{G6000/0000F87B-0000-1000-8000-00805F9B34	FB) [10:56:21]: The device has been connected [10:56:23]:Connecting device <e0:ff:f1:4e:48:7f>]</e0:ff:f1:4e:48:7f>	
	[10:56:23]:Device connection status Success	
O Manual Connect		

2.2.4 Now the scanner can be work as normal.

# 3. Configure the scanner via APP

3.1 After the scanner connected successfully, select the related function by clicking command list menu to configure the scanner.

BLE Demo		- 🗆 X
Connect scanner	Send Data	Send
	Received Data	Read firmware information Read battery power information Read Serial Number Turn off vibration Turn off vibration Turn off beeps Turn on beeps Turn on Auto Trigger Turn off Auto Trigger
(G6000/0000F87B-0000-1000-8000-00805F9B34FB)	Log [10:54:28]:The device has been connected [10:56:21]:Found device GS R1522-B18A47 wil [10:56:21]:Devices discovery has been stopped [10:56:21]:The device has been connected [10:56:23]:Connecting device <ol> <li>(ff1:14:48:7f: [10:56:23]:Device connection status Success</li> </ol>	th address E0:FF:F1:4E:48:7F

3.2 Send command in the app is another way to configure the scanner (Find "Generalscan Barcode Scanner Command Configuration Manual" to get more commands

https://www.generalscan.cloud/ files/ugd/46ce76 c80c271874f34e2b837adb9 1e31cbb36.pdf)

#### 3.3 Example

3.3.1 Configure the scanner by sending command from the app.

#### Disable the sound reminder when scanning barcode

Input {G3010/0} in "Send Data" column and send. There will be a hint of configure successfully in the "Log" column. Now scan barcode, there will be not any sound indication.

BLE Demo	-	- 🗆 X
Connect scanner	Send Data {G3010/0} ~	Send
	Received Data ASCII	Clear
	Log [[11:11:18]:The data has been sent sucessfully: 7B-47-33-30-31-30-2F-30-7D	^
{G6000/0000F87B-0000-1000-8000-00805F9B34FB}		
O Manual Connect		~

#### Enable the sound reminder when scanning barcode

Input {G3010/183} in "Send Data" column and send. There will be a hint of configure successfully in the "Log" column. Now scan barcode, there will be sound indication.

Connect scanner	Send Data {G3010/183}	Send
	Received Data ASCII	Clear
(G6000/00000B40-0000-1000-8000-00805F9B34FB)	Log [10:17:25]:The data has been sent sucessfully: 7B-47-33-30-31-30-2F-31-38-33-7D	~

## GENERALSCAN

3.3.2 Configure the scanner by selecting the related function from the command list menu.

#### Disable the sound reminder when scanning barcode

Select "Turn off beeps" from the command list, there will be no sound indication when scanning barcode.

BLE Demo			– 🗆 ×
Connect scanner	Send Data		
	{G3010/0}	Turn off beeps	Send
	Received Data	Read firmware information Read battery power information Read Serial Number Turn of vibration Turn on vibration Turn on bioration Turn on beeps Turn on Auto Trigger Turn off Auto Trigger	Clear
	Log		
{G6000/00000B40-0000-1000-8000-00805F9B34FB}	i i i i i i i i i i i i i i i i i i i	47-33-30-31-30-2E-30-7D	
O Manual Connect			Ŷ

## Enable the sound reminder when scanning barcode

Select "Turn on beeps" from the command list, you can hear sound reminder when scanning barcode.

BLE DEMO			^
Connect scanner	Send Data		
	{G3010/183}	Turn on beeps	Send
	Received Data	Read firmware information         Read battery power information         Read Serial Number         Turn off vibration         Turn on vibration         Turn on beeps         Turn on beeps         Turn off Auto Trigger	Clear
	log		
	[10:20:08]:The data has been sent sucessfully	r: 7B-47-33-30-31-30-2F-31-38-33-7D	^
(G6000/00000B40-0000-1000-8000-00805F9B34FB) O Manual Connect			~