How to Use Generalscan OTA Tools

Ver 1.0 3-5-2024

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Overview

This document is used to guide how to use the "Generalscan OTA Tools" app to upgrade scanner firmware online or upgrade customized firmware.

Steps

1. Download

There are two ways to download the app, one is Google Play Store and the other is Generalscan's website.

- 1.1 Download steps from Google Paly Store
- 1.1.1 Open Google Play Store and search for "Generalscan OTA Tools"





1.1.2 Download and install



- 1.2 Download steps from Generalscan's website
- 1.2.1 Click on <u>https://www.generalscan.cloud/resourcedownload</u>
- 1.2.2 Select the device model



1.2.3 Find "Generalscan OTA Tools", click on the "Download"

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Resource Download

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R152X Thumbutto V	Select Category ~			
Product series	Document name	Category	Release date	Download link
R152X Thumbutton Scanner Series	SDK Demo V1.1.0	APP	04/03/2024	Download
R152X Thumbutton Scanner Series	GS Keyboard Pro V1.1.0.8	APP	04/03/2024	Download
R152X Thumbutton Scanner Series	Generalscan OTA Tools V1.0.6.1	APP	04/03/2024	Download
R152X Thumbutton Scanner Series	R1521 Engine Configuration Manual	Engine Configuration Manual	26/02/2024	Download

2. Install

- 2.1 Extract the downloaded file
- Generalscan OTA Tools V1.0.6.1.apk.zip → Generalscan OTA Tools V1.0.6.1.apk

2.2 Store the decompressed file on your phone, and click on the file to install.



2.3 Open the app and click on the "GRANT PERMISSION" to start configuring permissions





2.4 Click on the "While using the app"



2.5 Click On the "While using the app"

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Gen		TA Tools		**
App Devic Devic Blue Fin B	Version: ce Model: ce Name: tooth Address:	1.0.6.1 Unknown Unknown Unknown		
L	Allow Gen access th	ieralsca nis devid	n OTA Toc ce's locati	ols to on?
l	Precise			
	w and the second s	/hile using t	the app	
L		Only this	time	
L		Don't all	ow	
C	CHECK UPDAT		STOP UP	GRADE



2.6 Click on the "Allow"



2.7 Click on the "GRANT PERMISSION"

2:32 🔇 📩	♥ 8
Generalscan OTA Tools	*
App Version: 1.0.6.1 Device Model: Unknown Device Name: Unknown Bluetooth Address: Unknown Firmware Version: Unknown Bootloader Version: Unknown	
Permission needed DFU Tools requires permission to draw ov other apps before it can show the certain dialog. Please press 'Grant Permission' and ensu that 'Permit drawing over other apps' is enabled. GRANT PERMISSI	rer Ire DN
CHECK UPDATE STOP UPGRAD	DE

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2.8 Click on the "Generalsca OTA Tools" and allow display over other apps.



2.9 Configuration completed

3. Connecting the scanner

3.1 The scanner power on and scans the code "Enter DFU Mode" (the test prototype is GS R3521)



Enter DFU Mode

3.2 Open the "Generalscan OTA Tools" app on your phone, and then click on

the Bluetooth icon

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Generalscan OTA Too	ols 🛞
App Version: 1.0.6.1 Device Model: Unknov Device Name: Unknov Bluetooth Address: Unknov Firmware Version: Unknov Bootloader Version: Unknov	wn wn wn wn
Please conn	ect scanner
CHECK UPDATE	STOP UPGRADE

3.3 Click on the "GO TURN ON"





3.4 Click on the "Allow"



3.5 Click on the "GO SELECT"





3.6 Select the device name that needs to be upgraded



3.7 Enter password 1234 and click on the "OK"

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Generalso	an OTA To		
Step On	ie:	Scappor BT402	
	in 63-Balcode	Scallier B140:	
Usually (0000 or 1234		
	PIN contains lett	ers or symbols	
You ma other d	y also need to levice.	type this PIN	
– C (Allow access to history	your contacts an	
		Cancel	
1	2	3	+
4	5	6	
7	8	9	×
*	0		\checkmark
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3.8 The scanner connection was successful, displaying device information

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Generalscan OTA Too	ls 🗚	
App Version: 1.0.6.1 Device Model: R3X2X Device Name: GS R35 Bluetooth Address: 20:CD:3 Firmware Version: 4.0.0 Bootloader Version: 2.0.0	21-B1A142 9:13:78:86	
Scanner co	onnected	
Scanner co	onnected	
Scanner co	onnected	
Scanner or	onnected	
Scanner of	onnected	
Scanner or	nnected	_

4 Upgrade Firmware

There are two ways to upgrade firmware: online upgrade

and customized firmware upgrade

4.1 Online upgrade operation steps

4.1.1 Click on the "CHECK UPDATE" and click on the "UPDATE"



4.1.2 Wait for upgrade, click on the "OK" after successful upgrade

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Generalscan OTA Tools	*		Generalscan OTA Tools		
App Version: 1.0.6.1 Device Model: R3X2X Device Name: GS R3521-81A142 Bluetooth Address: 20/CD/39:13/78:36 Firmware Version: 4.0.0 Bootloader Version: 2.0.0			App Version:1.0.6.1Device Model:R3x2xDevice Name:GS R3521-B1A142Bluetooth Address:20:C0.39:13:7B.B6Firmware Version:4.0.0Bootloader Version:2.0.0		
Upgrading Firmware 20%			INFORMATION The scanner firmware has been upgrad successfully, please reboot the scanner	ed : ок	
CHECK UPDATE STOP U	PGRADE		CHECK UPDATE STOP UPGR	ADE	

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4.1.3 After the upgrade is completed, the scanner will automatically shut down

4.2 Customized firmware upgrade operation steps:

4.2.1 Check device information and provide screenshots to Generalscan



4.2.2 Based on the information provided by the customer, Generascan provides upgraded barcodes (the following image is for testing barcodes, non-standard barcodes)



4.2.3 Before upgrading, it is necessary to carefully check whether the "upgraded device information" is consistent with the "Bootloader Version" of the "upgraded barcode". If there is inconsistency, please do not upgrade.

Generalscan O	TA Tools	*
App Version:	1.0.6.1	
Device Name:	GS R3521-B1A142	
Bluetooth Address: Firmware Version:	20:CD:39:13:7B:B6	
Bootloader Version	: 2.0.0	

4.2.4 Click on the scan code icon, then scan the "upgrade barcode"



4.2.5 Click on the "UPDATE" and wait for upgrading.





4.2.6 Click on the "OK" after successful upgrade



4.2.7 After the upgrade is completed, the scanner will automatically shut down