

Troubleshooting your scanner
Some barcode types are disabled by default. For more information, please refer to the Full User Manual or email us at helpdesk@scanavenger.com



Scan in your browser for the full user manual

Please read this manual carefully before using your barcode scanner, and keep it for future reference.

If at any stage you accidentally scan configuration codes and your scanner stops working, please email us at helpdesk@scanavenger.com

Charging Tip for Long-Term Use
To keep your scanner in good condition, use a standard 5V/1A charger. Avoid using fast chargers or power adapters with higher output (like 5V/2A or 9V/2A), as they may damage the internal power protection circuit over time.

How to check?
Look at the small print on your charger. If it says "Output: 5V 1A", it's safe to use. If it says anything higher (like 5V 2A or 9V), please use a lower-power charger or charge through a computer USB port.

Led & Buzzer	
LED Light	Description
Blue LED ON	Scanner ON and paired
Red LED ON	Charging
No light ON	Scanner not paired to any device

Buzzer	Description
A long beep	Power ON/OFF
A short beep (low frequency)	Scan common barcode, paired, or wireless connection success
5 short beeps (low frequency)	Battery has no charge and stop scanning
3 short beeps (low frequency)	Wireless disconnected

Mini Scanner LED Light
Smart Light Signaling

- Bottom and Mid lights turn on when scanner is on
- Top light turns on when the scanner is connected.
- Mid light flashes once when successfully reading a barcode.

Please read this manual carefully and keep it for future reference. No part may be reproduced without written permission from ScanAvenger, which reserves the right of final interpretation.

ScanAvenger reserves the right to make the final interpretation of the above statement. If you come across any issues with your product, please contact us at helpdesk@scanavenger.com

When contacting our helpdesk please make sure to mention your order number and scanner model.

Scanner type CMOS
Light source Red Light LED 525 ±10nm
CPU 32-bit
Resolution 640*480
Resolution 1D≥mil, 2D≥8.7mil@PCS90
Decoding speed 25CM/S
Depth of field 10mm-500mm
Scan mode Manual, Auto Sense
Scan angle Roll ±360°, Pitch ±60°, Skew ±70°
Print contrast ≥25%
Wireless distance 2.4GHz 150 m (493 ft)
Bluetooth 30m (98 ft) (open distance)
Storage 2Mb (over 20,000 Product codes)
Battery capacity 2200 mAh (1200 mAh for SA1100)
Charging time Approx. 3 hours (2 hours for SA1100)
Continuous ≥20 hours (≥10 hours for SA1100) working time

Communication USB, Wireless 2.4G,
Wireless Bluetooth 5.0
Power supply DC 5V@230mA (work)
Operating temp 0° C to 50°C
Storage temp -30°C to 60°C
Humidity 5% to 95% (non-condensing)
Drop Height 1.5m
Certificate CE, FCC, RoHS
For a full user manual copy or any questions please contact us at helpdesk@scanavenger.com

How to connect your scanner using the USB Wireless Dongle: 2.4G Mode - laptop/computer

- Power your scanner by pressing the button
- Insert the USB dongle into a USB port of your device
- Wait 30 seconds for devices to pair automatically.

For any issues connecting your scanner to the Wireless USB Dongle, please follow the below troubleshooting steps:

- Unplug the USB Dongle
- Scan the below barcode:



2.4G Mode - laptop/computer

- Scan the below barcode:



Pair with dongle

- Plug the USB Dongle back into your device and test again. The blue light on top of your scanner will solid blue, indicating that your scanner is connected.

***If the scanner is in Bluetooth Mode and you want to switch to the previously paired dongle, scan the 2.4G Mode barcode found in step 2.**

To test your scanner, open a Word document or Notes app, then scan a standard barcode. The barcode will appear automatically where your cursor is placed.

For any questions about setting up or configuring your scanner, please contact us at helpdesk@scanavenger.com
Our helpdesk operates 24/7 - 365 days a year.

How to connect your scanner via Bluetooth to a mobile phone, tablet, or other Bluetooth devices

- Scan:



Bluetooth Mode

- Scan:



Pair with Bluetooth

- Your scanner's light will flash blue. On your mobile device, go to Bluetooth settings, search for "ScanAvengerHID" and tap PAIR.
- The light will turn solid blue when connected.

You can Double-tap the scanner button to toggle the mobile keyboard ON/OFF.
*** To switch from 2.4G Mode back to a previously paired Bluetooth device, scan the Bluetooth Mode barcode in step 1.**
**** For Bluetooth connectivity issues, remove the scanner from your Bluetooth devices and repeat steps 1-2. For Bluetooth SPP and BLE Modes please contact us at helpdesk@scanavenger.com**

To test your scanner, open a Word document or Notes app, then scan a standard barcode. The barcode will appear automatically where your cursor is placed.

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Trigger Modes
There are two different trigger modes:

- Manual Trigger



- Sense Mode



Sleep Time Settings

- 5 minutes



- 1 hour (default)



Never sleep:



Sound Settings



Turn sound off:



Language Settings



English (default)



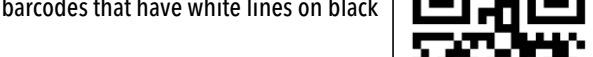
French:



Hide Back of Barcode digits
(Scan the same code again to revert to normal)



German:



Spanish:



Configuring your scanner to automatically hide characters

Note: We have included instructions to hide up to 3 characters. For more, please check the full user manual or contact us at helpdesk@scanavenger.com

Follow the steps below to configure your scanner to hide characters:

- Choose if you want to hide from the back or front.



Hide Front of Barcode digits
(Scan the same code again to revert to normal)

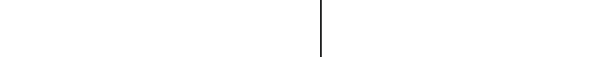


Hide Back of Barcode digits
(Scan the same code again to revert to normal)



2. Chose how many characters you wish to hide (Scan only one barcode)

- Hide 1 bit



- Hide 2 Bits



- Hide 3 Bits



For a full user manual copy or any questions, please contact us at helpdesk@scanavenger.com

Storage Mode

Once your scanner has been set to Storage mode, each time you scan a barcode, it will be stored in the scanner's internal memory.

To upload all the stored barcodes, scan the barcode below:



Data Upload

- If you need to clear all the stored data, scan the barcode below:



Data Clear

- If you wish to exit Storage Mode, scan the barcode below:



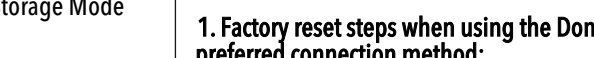
Normal Mode

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Factory Reset Steps

If your scanner isn't working properly or was configured incorrectly, scan the QR code below using your phone. It will open a link in your web browser with step-by-step instructions for performing a factory reset based on your preferred connection method.

- Factory reset steps when using the Dongle as your preferred connection method:



<https://shorturl.at/w1S11>

- Factory reset steps when using Bluetooth as your preferred connection method:



<https://shorturl.at/KleHn>

For any assistance, please do not hesitate to contact us at helpdesk@scanavenger.com

Frequently Asked Questions

- Can it automatically open a website page, after scanning a QR Code?

The basic idea is that the scanner acts as an automatic keyboard. You have to click where you want the data to be written. Each time you scan a barcode, it will transmit the data as if you would be typing on a keyboard. Your devices will recognize the scanner as a keyboard.

Please note that this will not impact your keyboard's functionality.

- When trying to scan, my scanner makes multiple beeps, without outputting anything. Why does this happen?

The number of beeps and the LED on the back of your scanner will help you identify why this is happening. The most common issues being:

- 3 beeps and flashing LED - your scanner is not connected to your device. To fix this, please follow the Dongle/Bluetooth Pairing from this Quick User Guide.

- 5 beeps and stops scanning (shuts down) - your scanner is out of battery. Please charge your scanner and try again.

- Will ScanAvenger barcode scanners work with any Inventory Management Software?

Your ScanAvenger barcode scanner will work with most Inventory Management Software. That being said, some Inventory Management Software developers restrict which barcode scanners will work. We recommend checking their website for more information.

For any assistance, please do not hesitate to contact us at helpdesk@scanavenger.com

Wireless Barcode Scanner Quick User Guide

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