

**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](mailto:helpdesk@scanavenger.com)

**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	Scan common barcode, paired, (low frequency) or wireless connection success
5 short beeps	Battery without electricity (low frequency) and stop scanning
3 short beeps	Wireless disconnected (low frequency)

**Mini Scanner LED Lights**  
Smart Light Signaling  
1. Small and Medium lights turn on when scanner is on.  
2. Large light turns on when the scanner is connected.  
3. Medium light flashes once when successfully reading a barcode.

To correctly use the barcode scanner, please read the instructions carefully. It is advisable to keep this manual for future reference.


If at any stage you accidentally scan configuration codes and the scanner stops working, please email us at [helpdesk@scanavenger.com](mailto:helpdesk@scanavenger.com) for the full reset process.

**Important Note:** Please don't use Fast Charging AC adapters to charge your scanner, as this may shorten the lifespan of its built-in battery.

Scanner type	CCD
Light source	Red Light LED 525 ±10nm
CPU	32-bit
Resolution	2500
Resolution	3mil
Decoding speed	300 scans/s
Depth of field	30mm-700mm
Scan mode	Manual, Continuous, Auto Sense
Scan angle	±60°, Roll: ±30°, Skew: ±60°
Print contrast	≥20%
Wireless distance	2.4GHz = 150meters, Bluetooth 30meters (open distance)
Storage	16Mb (over 100,000 Product codes)
Battery capacity	2200 mAh (1200 mAh for SA1000)
Charging time	Approx. 3 hours
Continuous working time	≥16 hours
Communication	USB, Wireless 2.4G, Wireless Bluetooth 4.2
Power supply	DC 5V@130mA (work)
Operating temp	0° C to 50° C
Storage	-30° C to 60° C
Humidity	5% to 95% (non-condensing)
Drop Height	1.5m
Certificate	CE, FCC, RoHS

For an extended user manual or any questions please email us at [helpdesk@scanavenger.com](mailto:helpdesk@scanavenger.com)


**How to connect the scanner using a USB Wireless Dongle:**  
**2.4G Mode - laptop/computer**  
1. Power the scanner by pressing the button  
2. Insert the USB dongle into the USB port of your device  
3. Wait 30 seconds for devices to pair automatically

For any issues connecting the scanner to the Wireless USB Dongle please follow the below troubleshooting steps:  
1. Unplug USB Dongle  
2. Scan below barcode:  
  
**2.4G Mode - laptop/computer**

3. Scan below barcode:  
  
**Pair with dongle**

4. Plug the USB Dongle back into the computer and test again. A blue light on the scanner should be turned on, indicating that your scanner is connected to the dongle.  
\* If the scanner is in Bluetooth Mode and you want to revert back to the previously connected dongle, all you need to do is scan the 2.4G Mode barcode above.

To test, open a Word document or notes and try scanning a normal barcode (not a configuration barcode from the user guide). If you have any questions about setting up or configuring the scanner please email us at [helpdesk@scanavenger.com](mailto:helpdesk@scanavenger.com)  
Our helpdesk operates 24/7 - 365 days a year.


**How to connect the scanner via Bluetooth to a mobile phone, tablet, or other Bluetooth devices**  
1. Scan  
  
**Bluetooth Mode**


2. Scan  
  
**Pair with Bluetooth**



3. Scanner light will be flashing blue. This means you can connect it to your mobile device. On your mobile/tablet go to Bluetooth devices, search for "ScanAvenger HID" and click PAIR.

4. Scanner light will turn solid blue indicating the scanner is connected to your device. Remember you can turn ON/OFF your mobile phone/tablet keyboard by double tapping the scanner button.  
\* If the scanner is in Dongle Mode and you want to revert back to the previously connected Bluetooth device, all you need to do is scan the Bluetooth Mode barcode above.  
\*\* If for any reason you are having Bluetooth connectivity issues, we recommend you remove the scanner from your Bluetooth devices and go through the above steps again.  
\*\*\*For Bluetooth SPP and BLE Modes please contact us at Helpdesk.

To test, open a Word document or Notes and try scanning a normal barcode (not a configuration barcode from the user guide). If you have any questions about setting up or configuring the scanner please email us at [helpdesk@scanavenger.com](mailto:helpdesk@scanavenger.com)  
Our helpdesk operates 24/7 - 365 days a year.


**Trigger Modes**  
There are two different trigger modes:  
1. Manual Trigger  


2. Sense Mode  


**Sleep Time Settings**  
5 Minutes  
  
1 Hour (default)  



Never Sleep  



Sleep Now  


**Sound Settings**  
  
Turn Sound Off


  
Low Volume


  
High Volume


**Inverse Barcodes**  
Inverse barcodes are barcodes that have white lines on black background. By default, the scanner is configured to not read them.  
To enable your scanner to read inverse barcodes, please scan the barcode below:  


**Language Settings**  
English (default)  


French  


German  


**Configuring your scanner to automatically hide characters**  
Note: This method can only hide up to 4 characters. Please check the extended user manual or email us at [helpdesk@scanavenger.com](mailto:helpdesk@scanavenger.com) for more details. Follow the steps below to configure your scanner to hide characters:  
1. Choose if you want to hide from the back or front.  
  
**Hide Front of Barcode Digits**  
(read the same barcode to revert to normal)

  
**Hide Back of Barcode Digits**  
(read the same barcode to revert to normal)


2. Choose how many characters you wish to hide (Scan only 1 barcode)  
  
Hide 1 Bit

  
Hide 2 Bits

  
Hide 3 Bits


  
**Hide 4 Bits**  
For an extended user manual or any questions please email us at [helpdesk@scanavenger.com](mailto:helpdesk@scanavenger.com)


**Store mode**  
With a 16 MB memory, your scanner is capable of storing up to 100,000 barcodes.  
To do so, you need to set your scanner to Store Mode by scanning the barcode below:  


Once your scanner has been set to Store mode, each time you scan a barcode, it will be stored in its internal memory. To upload all the stored barcodes, simply scan the barcode below:  
**Data Upload**  


If you need to clear all the stored data, you simply need to scan the barcode below:  
**Data Clear**  


  
**Cancel Capital / Lowercase Settings**

If you wish to exit Store Mode, scan the barcode below  
  
**Normal Mode**

**Case Sensitivity Settings**  
See below options to change all letter cases of the scanned barcode to uppercase or lowercase  
  
**All Capital**

  
**All Lowercase**

  
**Cancel Capital / Lowercase Settings**

We don't like chopping down trees to print 100 page + user manuals that only 1.9% of customers read. If you need an extended user manual please email us at [helpdesk@scanavenger.com](mailto:helpdesk@scanavenger.com) for a digital copy.

**Frequently Asked Questions**  
**1. Can this scanner read QR Codes?**  
This particular scanner model is a 1D only scanner. This means that the scanner is incapable of decoding/reading 2D barcodes, such as QR codes. You would need to get one of our 1D+2D scanner models to achieve this.

**2. How does the scanner work?**  
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 were typing on a keyboard.  
Your device will recognize the scanner as a keyboard.

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

**3. 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 what barcode scanners will work. We recommend checking their website for more information.  
If you need assistance, please do not hesitate to contact us at [helpdesk@scanavenger.com](mailto:helpdesk@scanavenger.com)