



Scanning with Simplicity



SAVEO-RV2-Z12D
Bluetooth SPP set-up guide

* shown with Motorola MOTO G 6th Generation

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Introduction

This document provide an easy way to program the decoding options and interface selections by scanning barcodes listed in this guide.

Important Notice

When printing barcodes for programming, the use of a high-resolution laser printer is strongly recommended for the best scan result.

The settings will be updated periodically without prior notice. For the latest version, please contact your authorized distributor.

Settings and Programming

Scan a series of selected barcode patches in this manual to affect setup and programming of your handheld 1D Image Reader. Decoding options and interface protocols can be tailored to a specific application.

Setup parameters are stored in non-volatile memory in the scanner and are retained even when power is off. Setup parameters change only when you reset them.

You may need to hide adjacent code patches with your hand when doing programming scanning.

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Product Information

Delivery contents

1 x SAVEO-RV2-Z12D scanner
1 x Charging Cradle
1 x Micro USB cable

Limited Warranty

Saveo Scan provides a one year limited warranty.

This warranty does not cover any product which has been subject to improper use, neglect or unauthorized repair or installation.

This warranty does not cover consumable parts. (Cables & batteries are consumables.)

Safety instructions

Read the operating instructions carefully and pay special attention to the safety information. If you do not follow the safety instructions and information on proper handling in this manual, we assume no liability for any resulting personal injury or damage to property.

- * Don't put scanner in places of excessively high temperature, such as exposure to direct sunlight
- * Don't use scanner in extremely humid conditions or in conditions of extreme temperature change
- * The rechargeable battery is permanently built into the product and cannot be replaced.
- * Never damage the rechargeable battery. Damaging the casing of the rechargeable battery might cause explosion or fire!

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Operating Elements

Switch on and Charge your Scanner

Please switch on your scanner (as illustrated) and place it in the cradle to charge for 3~4 hours before first use.

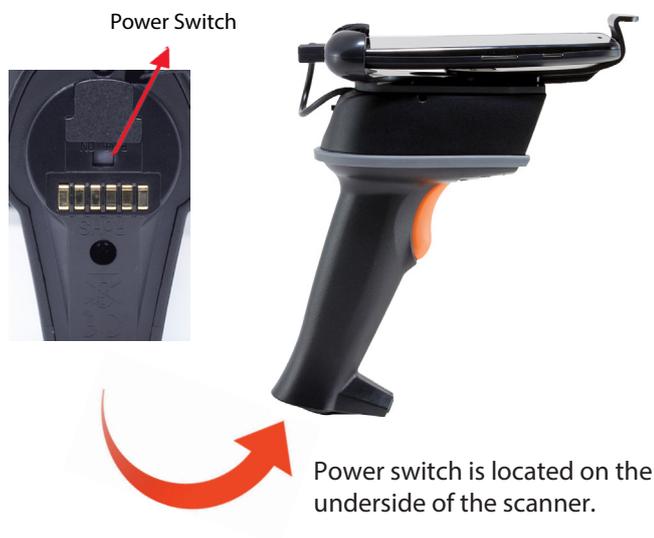
If you want to charge smartphone and scanner simultaneously, please switch scanner to **C (Charge Mode)** before placing it in the cradle.

Power on Saveo Scan

On the underside of the scanner you will find a small recessed button.

Use a pen or paper clip to push the button until you hear a notification sound.

Ensure power switch remains depressed after you release it.



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Operating Elements

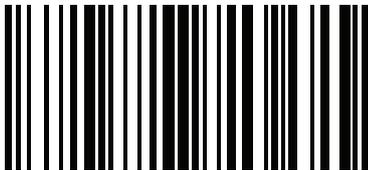


* shown with Optional **SBB005** Custom Rugged Case Mount and **SCF001** Saveo Flex-Protect™ Ultra-Thin Cable

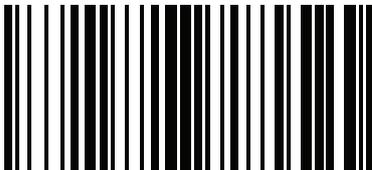


Select the Charge & Data model for the device type by scanning the barcode below:

Micro USB



Type-C



LED Indicator

Please refer to the table below for information regarding LED status indicator.

| LED Indicator Information | |
|---------------------------|------------------------|
| Orange LED ON | Full charged |
| Orange LED (Flashing) | Charging / Low battery |
| Red LED ON | Offline / Out of Range |
| Green LED ON | Good read |
| Orange LED ON | Good read (Batch mode) |

Please Note: When the battery power is too low, the Orange LED will flash and the scanner will emit a *'beep'* at regular intervals. The scanner should be charged immediately. If scanner shuts down it is recommended to charge it fully then power it back on.

Please Note: When the scanner is in sleep mode there will be no LED indication when charging.

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Attaching your phone to the scanner

Attaching your smartphone to scanner using the universal holder

Extend the retractable arm before placing phone in holder and then pushing it firmly back against the phone.

You can view a video demonstration here: <http://youtu.be/-x-n6RMleUY>

Extend retractable arm

Press button and slide outwards to extend the arm



Insert phone



Secure phone in holder

Retract the arm until phone is held firmly in place



Attaching your phone to the scanner

Attaching your phone to scanner using the smartphone ruggediser

The ruggedised case can be attached directly to the top of the scanner. The case has two components, an inner silicone cover and an outer layer of hardened polycarbonate, offering excellent protection while also allowing the phone to be removed with ease.

You can view a video demonstration here: <http://youtu.be/-x-n6RMleUY>



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Attaching your phone to the scanner

Connect phone to scanner with "to-device" cable

As USB connection locations vary on different models of smartphone, the cable can be configured for your specific model.

Please Note: The cable connection supports charging on all connected devices and data transfer on USB OTG capable devices only (USB Type-C and Micro USB). For iOS devices, please use appropriate Lightning cable.



Connecting to Saveo Scan via Bluetooth SPP

Switch scanner to Charge Mode/Bluetooth Mode

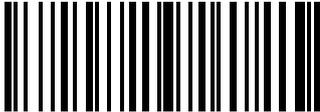


Switch to right:
Charge Mode/ Bluetooth
Mode

Scan the *Wireless Bluetooth Communication* barcodes below in order (B1 -> B2).

Please Note: When Bluetooth is enabled, the LED will remain red until the scanner has been paired with a Bluetooth device.

B1

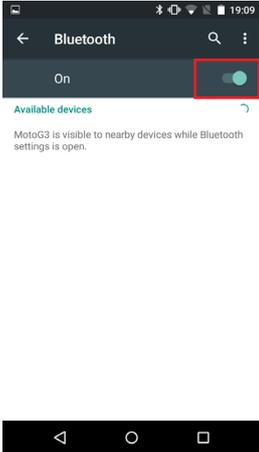
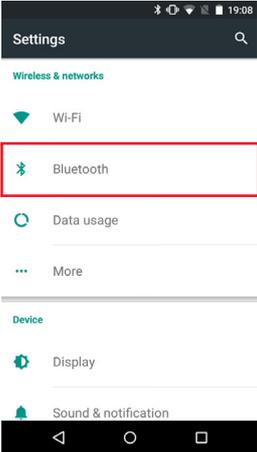


B2

Connecting to Saveo Scan via Bluetooth SPP

Enable Bluetooth on your device

Go to your phone’s homescreen and click on the menu button to find “Settings”, then “Bluetooth” and switch bluetooth on.

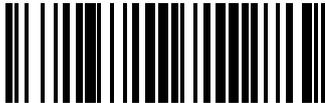


Scan SPP Bluetooth Profile barcodes below in order (B3 -> B7)

After you scan the SPP Bluetooth profile barcodes, your scanner will become visible to Bluetooth enabled devices within range.

Please note: The scanner should only be paired to one device at a time. Before you pair your scanner to another device, please first unpair it from the device in use. Otherwise it will appear on your list of “Available Devices” but may not connect. In this case, please refer to “Unpairing your device” in this guide.

B3



B4

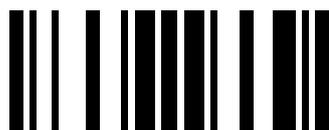
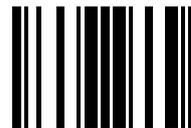
Connecting to Saveo Scan via Bluetooth SPP



B5



B6



B7

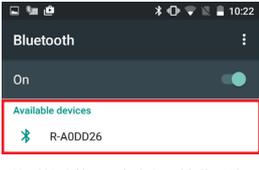
Connecting to Saveo Scan via Bluetooth SPP

Search for devices

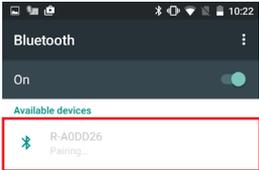
Your device will automatically search for available devices and Saveo Scan will appear as an external keyboard with a unique identifier number (R-xxxxxx).

Select R-xxxxxx to connect

Select scanner from "Available Devices" and wait for pairing process to complete.



MotoG3 is visible to nearby devices while Bluetooth settings is open.

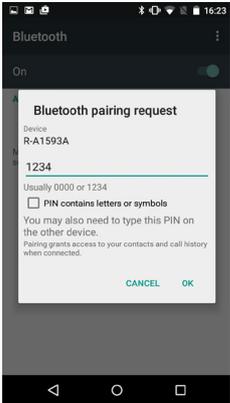
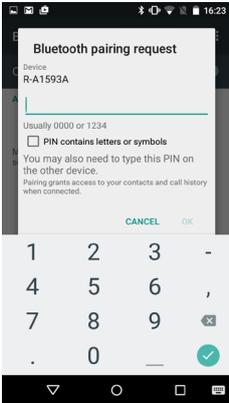


MotoG3 is visible to nearby devices while Bluetooth settings is open.



Bluetooth pairing request

On some devices you may be asked to type in a Bluetooth pairing code. Type in "1234" and click "OK".

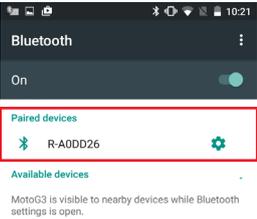


Connecting to Saveo Scan via Bluetooth SPP

Devices are now paired

Once completed, scanner will be listed under *“Paired devices”*. Your scanner is now ready to use. Please open your app to configure the scanner on your device.

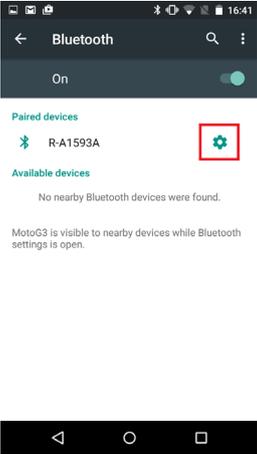
Please Note: Devices only need to be paired once. When they are within Bluetooth range they will automatically attempt to connect to each other. If you wish to connect to another device it is recommended you first unpair this device. Please refer to *“Unpairing your device”* in this guide.



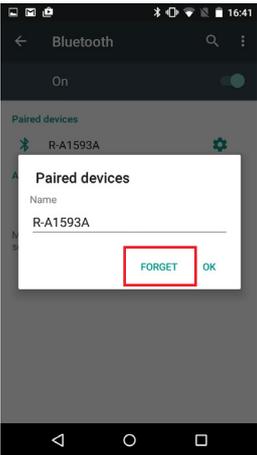
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Unpairing your device

Go to the Bluetooth menu on your phone and select the option menu for the scanner from the list of paired devices.



Choose "Forget".



Operating Modes

There are two operating modes on the scanner, *Data Transmission Mode* and *Data Storage Mode*.

Scan the appropriate barcodes when switching between these two modes.

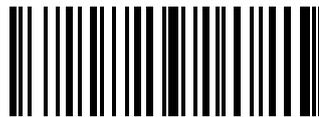
Please note: Switching between modes will wipe the scanner's internal memory.

Data Transmission Mode (Default)

Our Default setting is *Data Transmission Mode*. In this mode data will be sent to smartphone/tablet directly.

To enter *Data Transmission Mode* scan the barcodes below in order (C1 -> C2).

C1



C2

Operating Modes

There are two operating modes on the scanner, *Data Transmission Mode* and *Data Storage Mode*.

Scan the appropriate barcodes when switching between these two modes.

Please note: Switching between modes will wipe the scanner's internal memory.

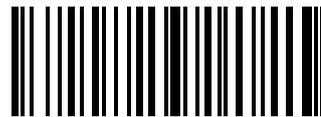
Data Storage Mode

In this mode, data will be saved directly to scanner's memory.

Scan *Transmit Memory Data* to receive data stored on scanner's internal memory.

To enter *Data Storage Mode* scan the barcodes below in order (D1 -> D2).

D1



D2

Operating Modes

There are two operating modes on the scanner, *Data Transmission Mode* and *Data Storage Mode*.

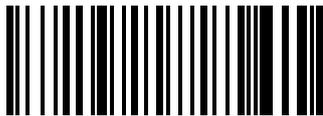
Scan the appropriate barcodes when switching between these two modes.

Please note: Switching between modes will wipe the scanner's internal memory.

Transmit Memory Data

Scan the following barcode to receive data stored in the scanner's internal memory.

Please note: Data will remain in the scanner's memory. To delete stored data please scan *Clean Memory Data*.



Transmit Memory Data

Green/Orange LED flashes followed
by 3 beeps.

Clean Memory Data

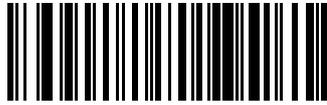
Green/Orange LED flashes followed
by 3 beeps.



Reset to Defaults - SPP Projle

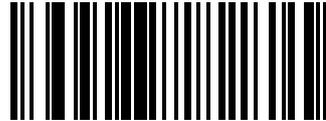
To reset configuration to default scan the barcodes below in order (E1 -> E4)

E1



E2

E3



E4

E5



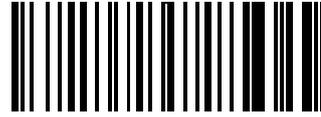
E6

Battery Level Status

Scan the barcode below to send battery level information to your device. The format is outlined in the table below.

Current Battery Level

Scan to send the current battery level to you device.



| | |
|-------|------------|
| %^4^% | 80% - 100% |
| %^3^% | 55% - 80% |
| %^2^% | 30% - 55% |
| %^1^% | 10% - 30% |
| %^0^% | under 10% |

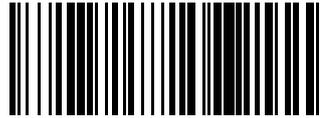
Power Saving Mode

Power saving mode is enabled by default and will put the scanner to sleep after one minutes inactivity. To wake the scanner press the trigger.

Below are the barcodes to change the power saving mode.

Disable

Scan to disable power saving mode

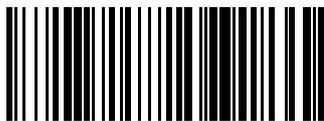
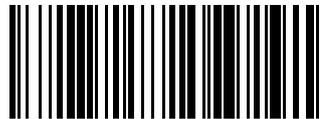


1 Minute

Enter Power Saving Mode after one minutes inactivity.

5 Minutes

Enter Power Saving Mode after five minutes inactivity.



15 Minutes

Enter Power Saving Mode after fifteen minutes inactivity.

30 Minutes

Enter Power Saving Mode after thirty minutes inactivity.



Sound Settings

Scan the barcodes to select whether or not the decoder issues a *'beep'* tone after a good decode. If selecting *Disable*, beeper signals are issued during parameter menu scanning and to indicate errors.

Enable (default)



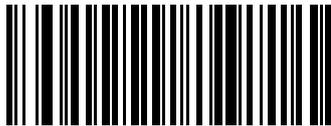
Disable

Reading Mode

The default reading mode is *Single Scan*. To activate the scanner automatically scan *Presentation Mode: Full Auto Mode* below.

Single Scan (Default)

In this mode the scanner attempts to decode when the scan button is pressed.



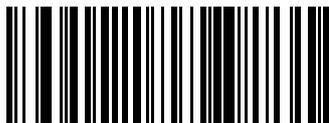
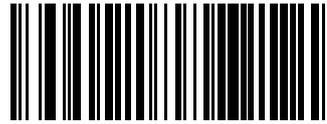
Presentation Mode: Full Auto Mode

When the scanner detects an object in its field of view it triggers and attempts to decode.

Mobile Phone/Display Mode

This mode improves barcode reading performance with target barcodes displayed on mobile phones and electronic displays.

Disable (default)

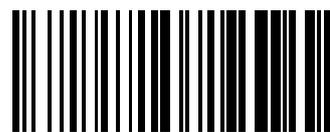
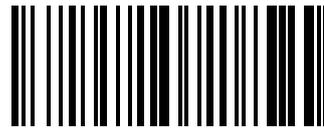


Enable

Transmission Speed

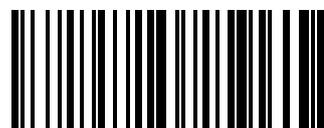
Transmission speed is dependent on your device. In order not to lose data please choose the correct speed. *Mid Speed* is the default.

High Speed Transmission



Mid Speed Transmission (default)

Low Speed Transmission



How do I turn on my scanner?

On the underside of the scanner you will find a small recessed button. Use a pen or paper clip to push the button until you hear a notification sound. Ensure power switch remains depressed after you release it. This will power on the Saveo Scan. Please refer to *Operating Elements* in this manual.

How do I attach my device to the scanner?

You can attach your device to the scanner with the universal holder or by attaching the smartphone ruggediser directly to the scanner. Please refer to *Attaching your phone to the scanner* in this manual. You can also see a video demonstration *here*.

I attached my device to the scanner using the USB cable but it is not receiving data?

1. Make sure the scanner is on. Even when the scanner is off it will still charge the connected device.
2. Check that the scanner is not in *Data Storage Mode*. When the scanner is in *Data Storage Mode*, data is saved directly to the scanner's internal memory. Please refer to *Operating Modes* in this manual.

Why is my scanner beeping at regular intervals?

Your battery is low. Please charge the scanner. To check the battery status of the scanner scan the *Battery Level Status* barcode in this manual.

Why is the cradle charging my scanner but not my device?

Make sure the switch on the back of the scanner is set to *C (Charging Mode)*. The scanner will charge in the cradle whether the it is in *O (Operating mode)* or *C (Charging mode)* but will only charge the device simultaneously in *C (Charging Mode)*. The scanner will make an audible confirmation that it is charging. The phones/smart devices will have various symbols on the display to verify charging is in progress.

When I put my Saveo Scan into the cradle there is no "beep" to confirm charging has begun?

When the scanner is in standby mode the audio is off. The scanner will charge as normal. If you want the assurance of hearing the audible beep to acknowledge charging, please wake the scanner from standby mode by pressing the trigger.

Why won't my scanner connect over Bluetooth? I can see it in the list of "Available devices" but it won't connect.

The scanner should only be paired to one device at a time. Before you pair your scanner to another device, please first unpair it from the device in use. Otherwise it will appear on your list of *"Available Devices"* but may not connect. In this case, please refer to *Unpairing your device* in this manual.

General Information



FCC Approval

This device had been tested in accordance with the procedures and in compliance with Part 15 Subpart B of FCC Rules. And keeps all requirements according ANSI C63.4 & FCC Part 15 B Regulation and CISPR22 Class B. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



CE Standards

The CE mark as shown here indicates this product had been tested in accordance with the procedures given in European Council Directive 2004/108/EC and confirmed to comply with the Europe Standard EN55022:2006:Class B, EN55024:1998+A1:2001+A2:2003, IEC61000-3-2:2006, IEC61000-3-3:1995+A1:2005, IEC61000-4-2:2001, IEC61000-4-:2006, IEC61000- 4-4:2004, IEC61000-4-5:2006, IEC61000-4-6:2001, IEC61000-4-8:2001, IEC61000-4-11:2004.

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