



ASR-R250G-xx Series Quick Start Guide Manual



iPhone or iPod touch



AsRing Plus (ASA-102R)



AsRing Plus Spacer (ASA-102R-SP)



Hybrid Case (ASC-Pxx)



AsReader Gun Header (ASA-R250-HD)



AsReader Gun (ASR-R250G-xx)

ASR-R250G-xx Parts – Page 1/2



Antenna

'RESET' Button

'POWER' Button

LED: MODE Indicator

LED: POWER Indicator

'MODE' Switch

Trigger

Magconn Charging Terminal

ASR-R250G-xx Parts – Page 2/2

Top-view



Header Connection Point

Antenna

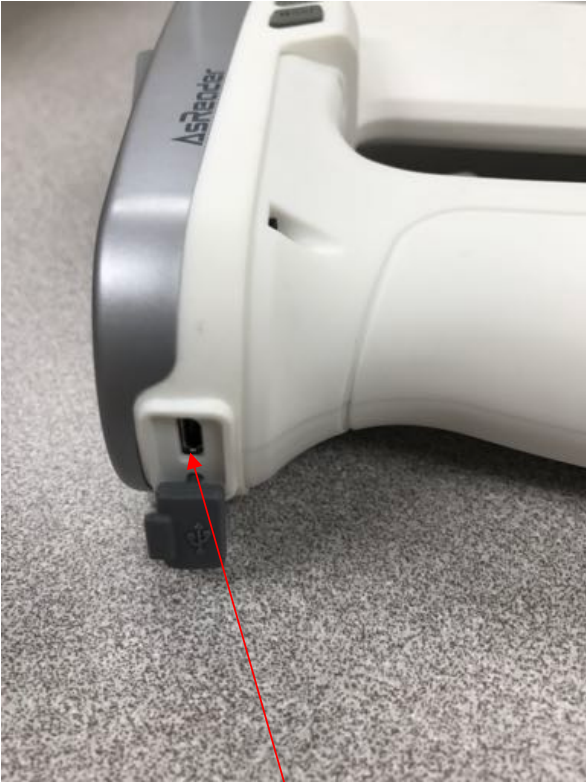
Bottom-view



Magconn Charging Terminal

Trigger

Back-view



microUSB Charging Port
(Also used for Firmware Updates from a PC)

Font-view



Barcode Engine
(ASR-R250G-2x Series only)

Antenna

How to Assemble – Page 1/7 (Preparation)

This section is for assembling the ASR-R250G-xx Series parts for use.

Please prepare the following parts to assemble:

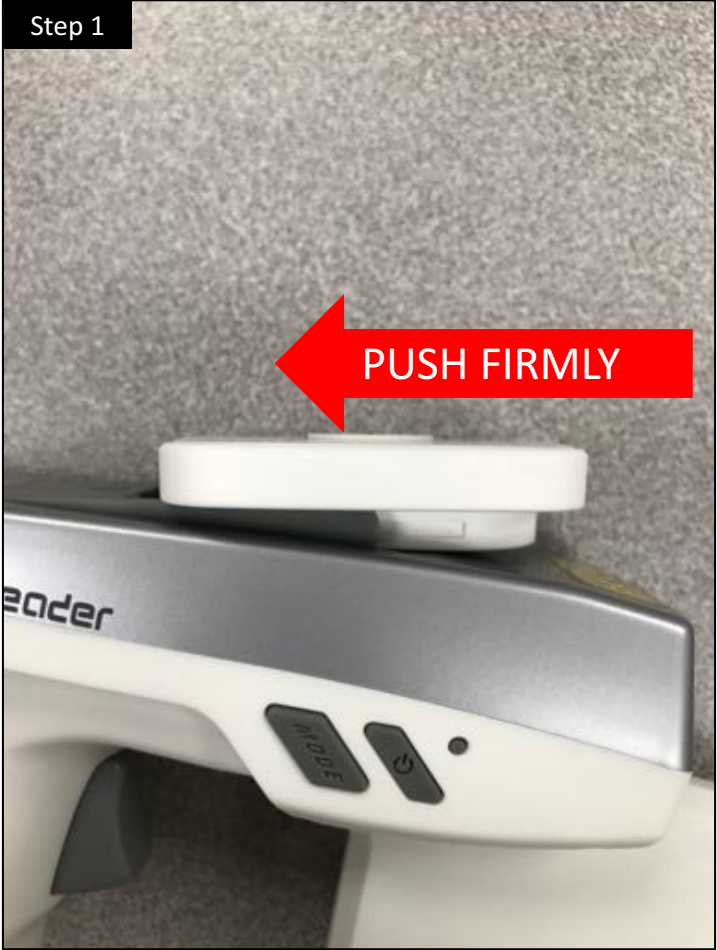
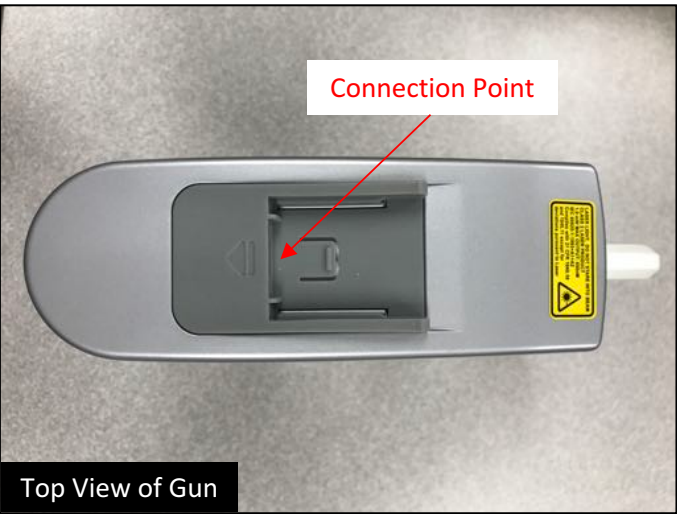
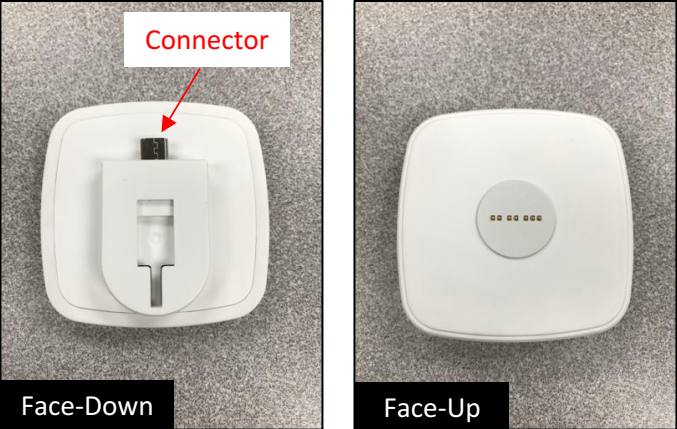
- a) Gun (ASR-R250G-xx)
- b) AsRing+ (ASA-102R)
- c) Header (ASA-R250-HD)
- d) Spacer (ASA-102R-SP)
- e) A compatible iOS Device
- f) Case* (ASC-xxx-x)



*Silicone ASC-P6-W case shown. Hybrid cases also available.

How to Assemble – Page 2/7 (Connect Header to Gun)

Slide Header firmly onto the ASR-R250G-xx as shown (Steps 1-2).



Slide Header onto Gun



Make sure Header is **firmly** attached to the Gun.

How to Assemble – Page 3/7 (Combine AsRing+ and Spacer)

Set up the AsRing+ and Spacer as shown (Steps 1-4).



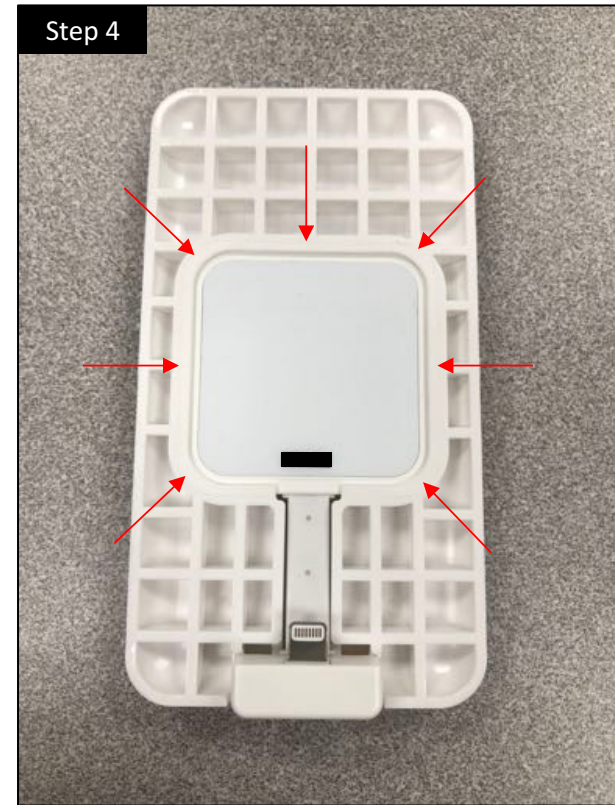
Place AsRing+ on top of Spacer.



Slide top of AsRing+ into Spacer.



Slightly bend the Spacer to fit the AsRing+ into place one side at a time.



Make sure none of the AsRing+ sides are sticking out.

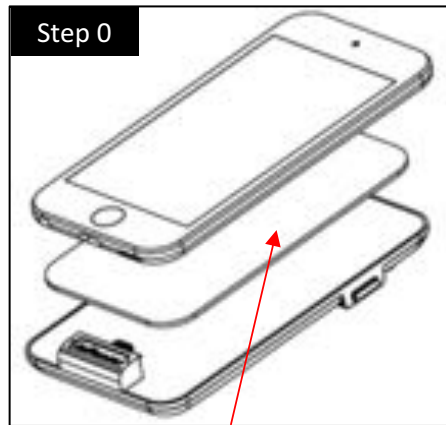
How to Assemble – Page 4/7 (iPod touch in Hybrid Case)

Attach the assembled AsRing+/Spacer to the iOS device as shown (Steps 1-2).

For **iPod Touch** with an **ASC-P5H**, **ASC-P7H**, or **ASC-P7PH** Hybrid case, follow Steps 0-2 (below).

For **any device** with a Silicone-only **ASC-T5**, **ASC-P6**, or **ASC-P6P** case, jump to 'How to Assemble – Page 5/7'

For **iPhone** or **iPad** with a Hybrid **ASC-P5H**, **-P7H**, **-P7PH**, **-PM3H**, or **-PA2H** case, jump to 'How to Assemble – Page 6/7'



Spacer-Sheet



Insert Spacer-Sheet as shown.
(iPod Touch/ASC-P5H only*)



Connect Lightning Connector to
iOS device.



Make sure the parts are
securely connected.

How to Assemble – Page 5/7 (Using Silicone-only Case)

Silicone Case:

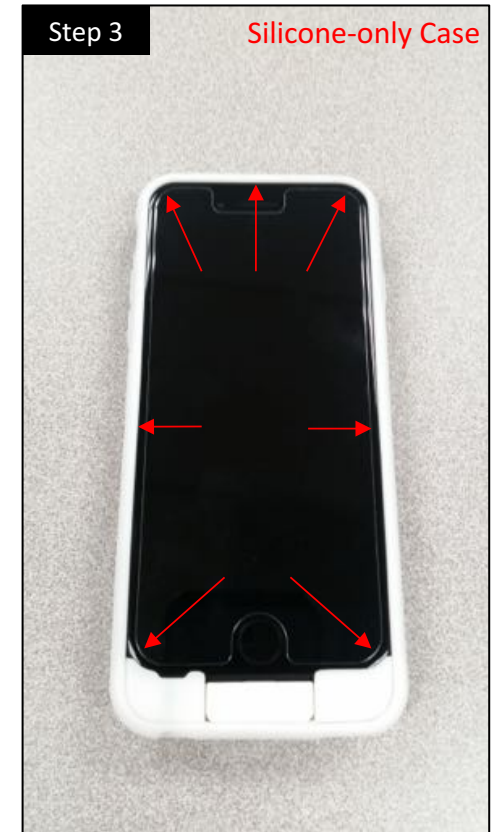
If a Silicone-only case is being used, please follow the instructions below (Steps 1-3).



Insert device into case starting at the bottom.



Slide remaining sides into the case.



Make sure device is correctly inside the case.

How to Assemble – Page 6/7 (Using Hybrid Case)

Hybrid Case:

If a Hybrid case is being used, please follow the instructions below (Steps 1-5). If using an **iPod Touch** with an **ASC-P5H**, **ASC-P7H**, or **ASC-P7PH** case, make sure Step 0 on 'How to Assemble – Page 4/7' was followed before proceeding.



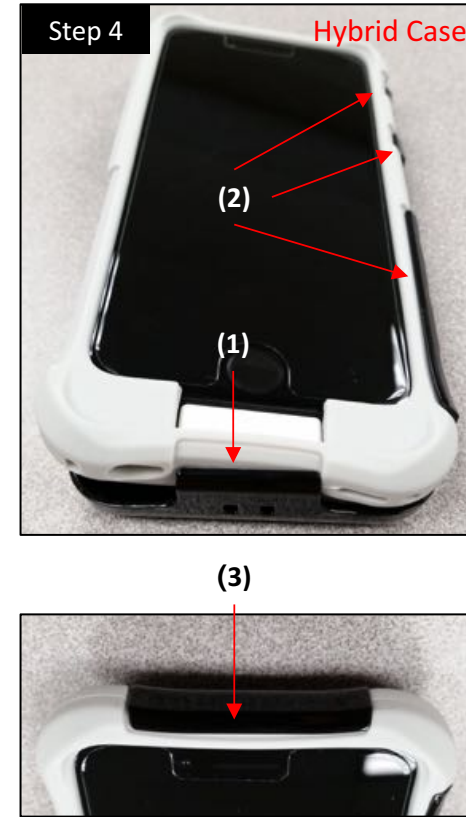
Separate the silicone part from the plastic part.



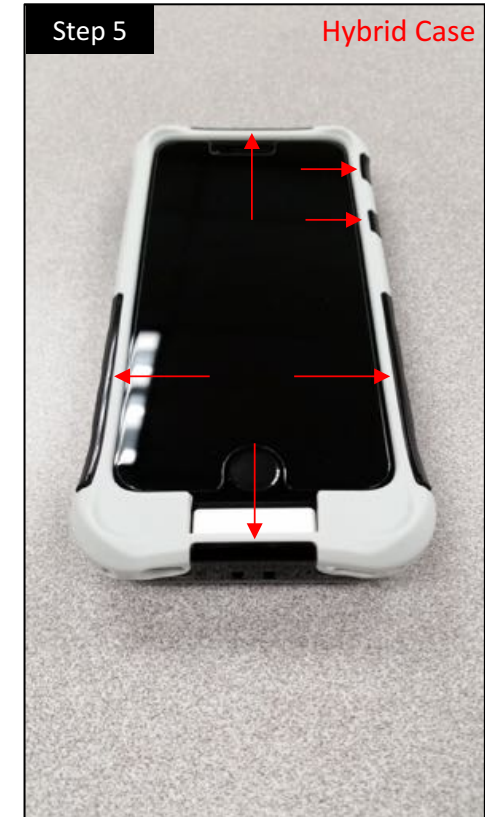
Place unit into silicone part starting at the base.



Make sure all sides of the device are properly inside the case.



Place the unit into the plastic part by aligning (1) bottom, (2) right-hand side, then (3) top.



Slide the left side in and make sure all sides are properly in place.

How to Assemble – Page 7/7 (The final step)

Finally, attach the magnetic part of the AsRing+ to the top of the Header as shown (Steps 1-4).



Magnetic connection of AsRing+.



Magnetic connection of Header.



Attach the parts as shown.



Picture of completely assembled Gun.

ASR-R250G-xx Apps – Page 1/1

Essential apps for the ASR-R250G-xx and AsRing+ are the following:

- 1) AsReaderGUN (Gun Demo App)
- 2) AsRing+ (for AsRing+ Firmware Updates)
- 3) AsTagFinder*

The AsRing+ Firmware Update App can be downloaded from iTunes at:

<https://itunes.apple.com/us/app/asring/id1266524849?mt=8>

The AsReaderGUN App can be downloaded from:

http://developer.asreader.jp/sdk/gun/index_en.html

This link also includes sample code, SDK, SDK reference guide, firmware update files, and manuals for the Gun and AsRing+.

*Please contact us for more information about the AsTagFinder App.



The AsReaderGUN App allows the user to scan RFID tags and then read, write, or lock the memory on the tags. Also supports barcode scanning for ASR-R250G-2x Series Gun models.

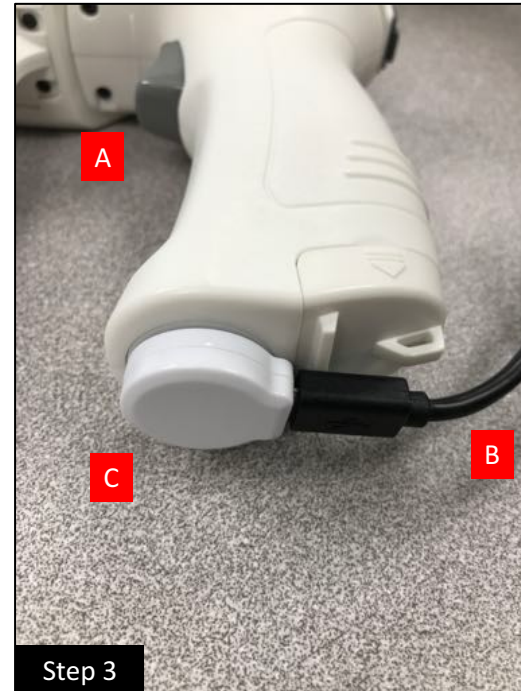
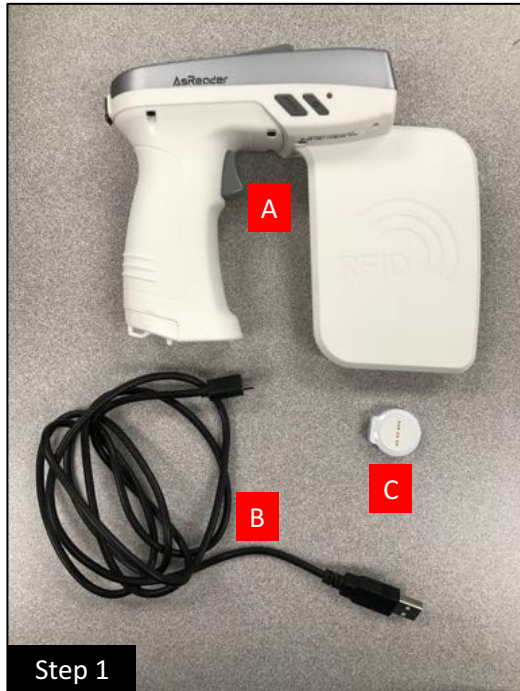
The AsRing + App is necessary to update the AsRing+ to the latest firmware version.



The AsTagFinder App allows users to locate RAIN RFID tags with the ASR-R250G-xx. AsTagFinder shows the X, Y, & Z: horizontal & vertical directions and distance to pinpoint the tag. Also, several tags can be searched at the same time.

How to Charge – Page 1/1

- 1) Please prepare the following parts:
 - A. ASR-R250G-xx (to be charged)
 - B. microUSB-to-USB cable
 - C. Magconn-microUSB Adapter
- 2) Connect the Magconn-microUSB Adapter (C) and the microUSB-to-USB cable (B).
- 3) Connect the Magconn-microUSB Adapter to the Magconn Charging Terminal.
- 4) Connect the microUSB-to-USB cable to a powered charging port via the USB connection.
(Apple chargers are recommended.)



Basic Use Guide – Page 1/4

Before using the ASR-R250G-xx, please complete the previous steps:

1. Assemble the ASR-R250G-xx
2. Download the apps
3. Charge the ASR-R250G-xx

Next, turn the ASR-R250G power on by pressing and holding the 'POWER' button. The Gun should vibrate and make a beep sound.

Open the AsReaderGUN App and check that you have the latest versions* of:

'Firmware Version'

'AsRing+ Version'



App Version	0.1.33
Firmware Version	ar-1.1.2.16
Address	01
Region/Country	NorthAmerica
S/N	000000000EBC
UHF/HF version	2.6.1.0
AsRing+ version	1.1.21_2
Inventory	
RFID Option	
Read Memory	
Write Memory	
Lock Memory	
Barcode Scan	
Barcode Option	

*Use the latest Firmware for the best performance. For information on how to update the firmware on the Gun and AsRing+, please see http://developer.asreader.jp/sdk/gun/index_en.html to download our Firmware Update Manuals.

Basic Use Guide – Page 2/4

In the AsReaderGUN App, tap 'Inventory' and pull the trigger on the Gun (or tap 'Inventory') to begin scanning for RFID tags. A figure-8 movement of the gun is recommended to scan the most tags.

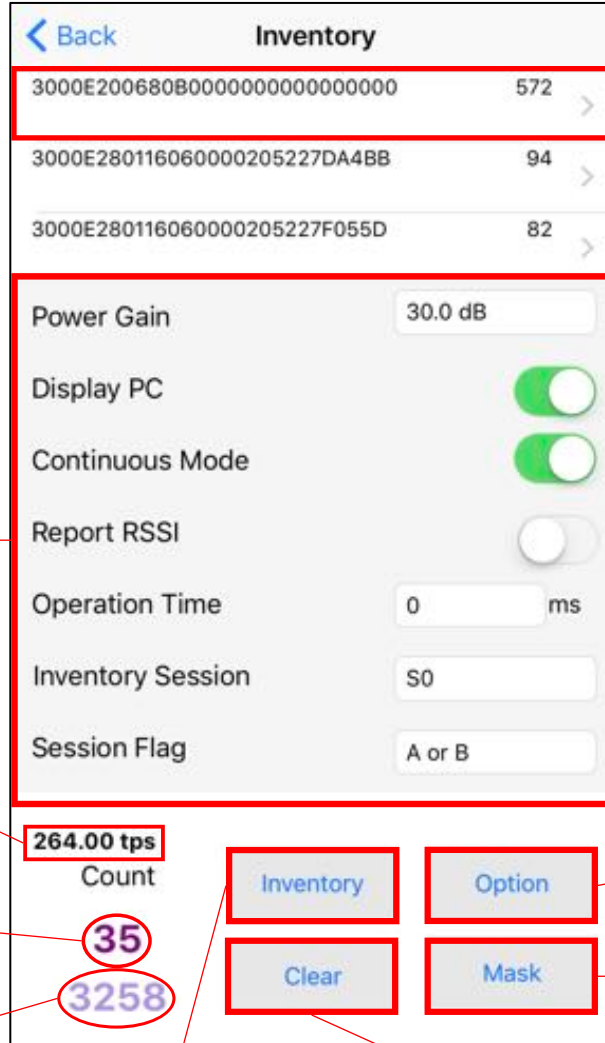


Change Options here

Tags Per Second (scanned)

Total Number of Unique Tags

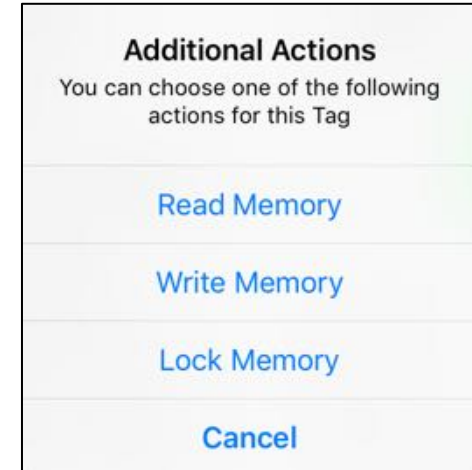
Total Number of Scans



Alternate "soft-trigger" button

Clear Scanned Tags

Click to Read/Write/Lock Tag

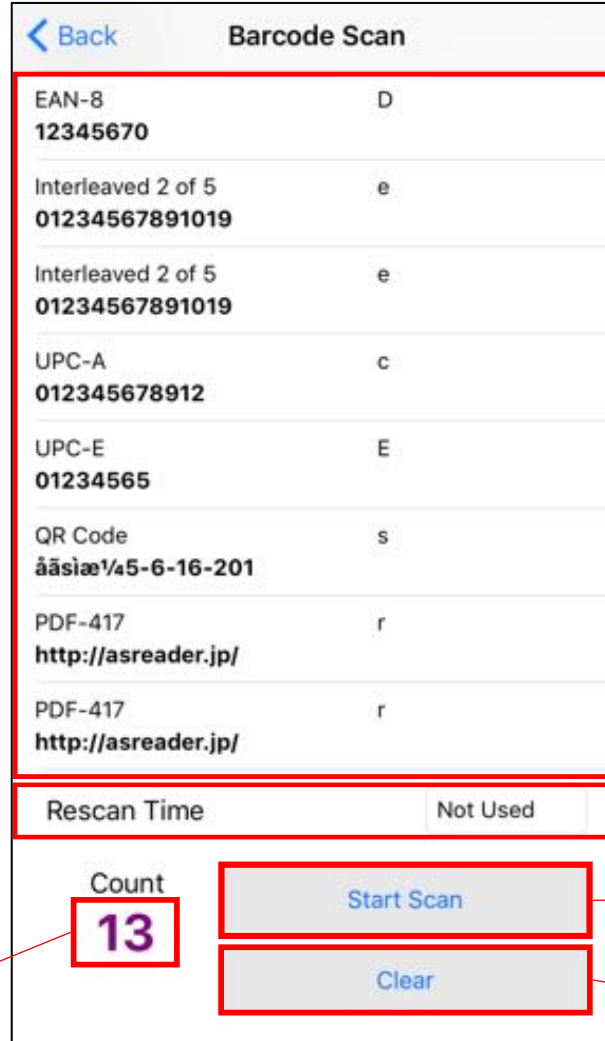
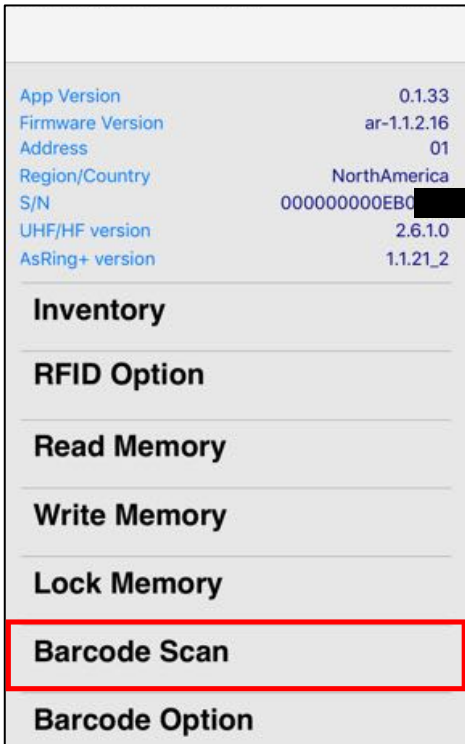


Show/Hide the Options above.

Set Mask Filters

Basic Use Guide – Page 3/4

This section only applies to the ASR-R250G-2x Series for barcode use. Select 'Barcode Scan' on the main page and pull the Gun trigger (or tap 'Start Scan') to begin scanning barcodes.



List of Scanned Barcodes

Rescan Time:
This setting is used to set a time between each scan. 'Not Used' will set the Gun to only read one barcode per trigger pull ('Start Scan' press).

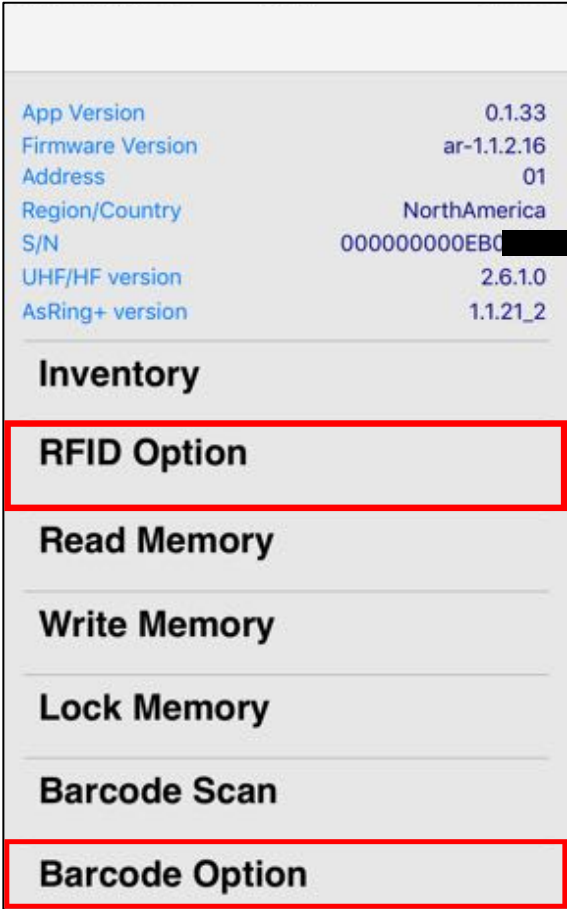
Alternate "soft-trigger" button

Clear Scanned Tags

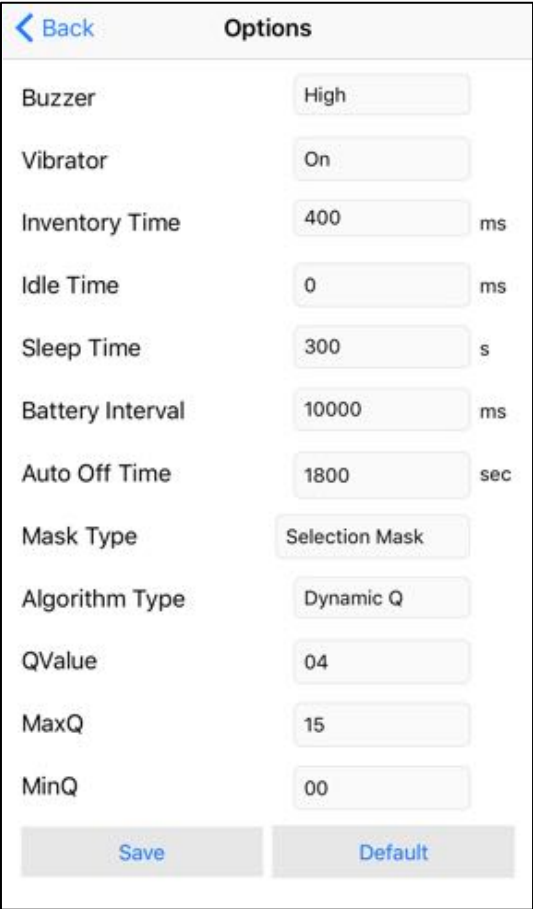
Total Number of Scans

Basic Use Guide – Page 4/4

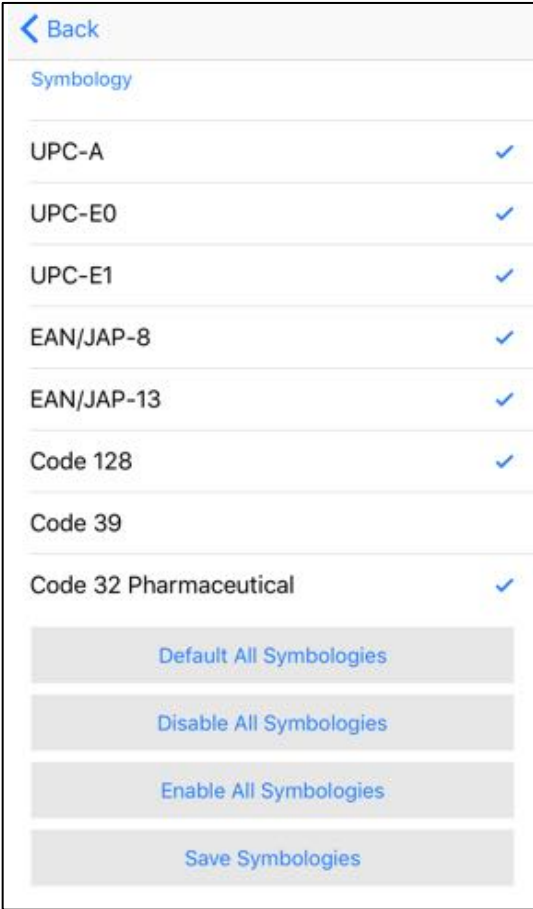
More settings can be changed by selecting 'RFID Option' or 'Barcode Option'.



Main Menu



RFID Options



Barcode Options

Troubleshooting Guide – Page 1/1

If the Gun has issues such as a beep sound or vibration that does not stop, even when the 'POWER' button is pressed, please use the 'RESET' button.

*Use a ballpoint pen or something similar to press it.



'RESET' button*

If the Gun isn't connecting, the first thing you should check is that your Header is firmly attached to the top of the Gun.



PUSH FIRMLY

Check that Header is firmly in place.

Please contact us if you experience any other issues with the ASR-R250G-xx.