

# SWIFT<sup>®</sup>

## RF SCAN TEST QUICK START GUIDE

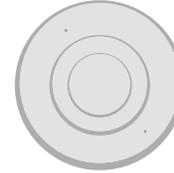
## REQUIRED TOOLS AND EQUIPMENT TO PERFORM RF SCAN TEST



Small Flathead Screwdriver



Batteries  
CR123A 3v  
(Panasonic or Duracell)



2 or more SWIFT Devices  
All SWIFT devices must be in  
factory default.



SWIFT Device Bases

## OPTIONAL TOOLS TO ANALYZE RF SCAN TEST DATA

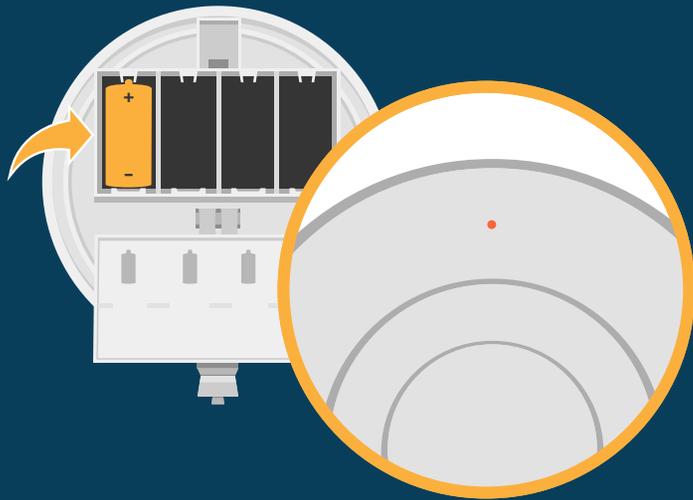


Windows Laptop with  
SWIFT Tools Version 2.01



W-USB

# BEFORE PERFORMING A RF SCAN TEST



## Make sure devices are in Factory Default

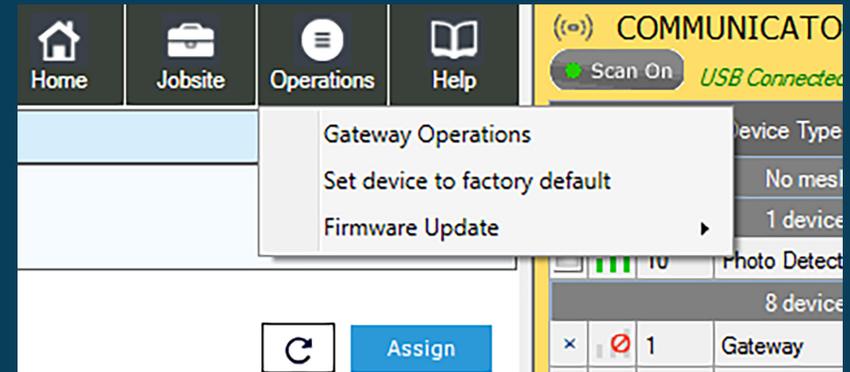
With the code wheels set to 000, insert one battery into the device. The LED on the front will blink red if the device is in factory default.

If the device is not in factory default, follow the process on the next page.

# RESET DEVICES TO FACTORY DEFAULT

## Using SWIFT tools:

1. Insert the W-USB dongle into your computer and launch the SWIFT Tools application.
2. On the home screen you can select **Site Survey**, **Create Mesh Network**, or **Diagnostics**.
3. Click **Operations** and select **Set device to factory default**.
4. You are now on the Reset Devices screen. Select the desired device, and click **Reset**.



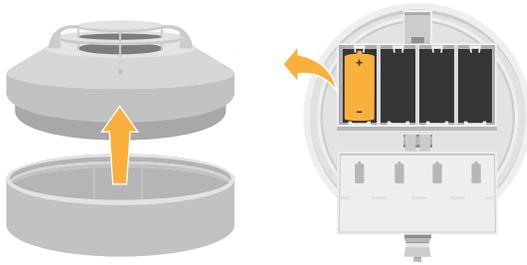
## Manually:

1. Start with the device powered off.
2. Insert one single battery into any slot in the device. The LED will blink yellow once every 5 seconds for a minute.
3. Turn the SLC address wheels using a common screwdriver to 0, then to 159, then back to 0.
4. The device will blink green five times, followed by a single or double red blink. This is your confirmation the device is now on factory default.



## WIRELESS DEVICE PREP

- 1 Tamper each device by removing the base or cover plate and remove batteries.



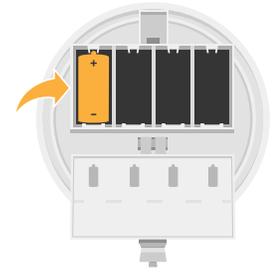
- 2 Use a screwdriver to address each device. Addresses must be between 101-159, and must be in ascending order. For example, if the first device is addressed 101, the second device should be 102. When the test begins the devices will first perform a Link Quality Test followed by the RF Scan Test.



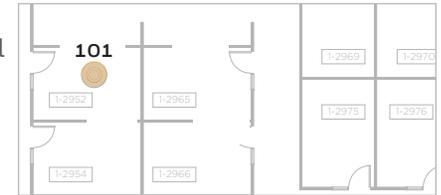
## CONDUCT RF SCAN TEST

- 1 Insert one battery to power up the device with the lowest address.

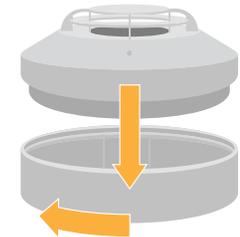
Note: You can insert the battery into any slot on the device. Also once the battery is inserted the device LEDs will blink twice every 5 seconds. If the device is not showing this pattern, it must be set to factory default, see previous



- 2 Take the device to the exact location where you plan to install it, in order to increase accuracy of the Link & RF Scan Test.

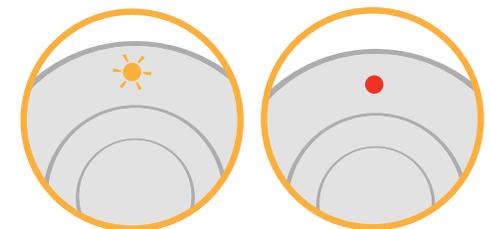


- 3 Twist the device into its base.



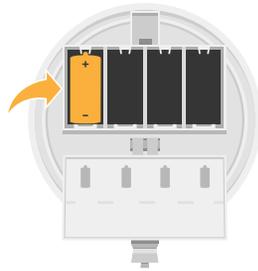
- 4 Observe LED pattern.

It will blink yellow once every half second for about 20 seconds. Then turn solid red. The device is now ready to perform a link test to the device with the next highest SLC address. This device will be setup in step 5. The device will then perform an RF Scan Test.

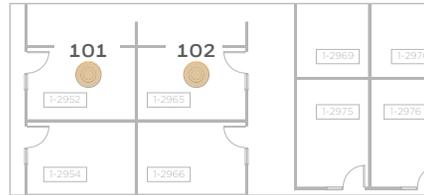


- 5 Insert one battery to power up the device with the next highest address.

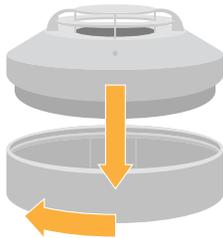
For example: 102 if the first device that was placed was 101.



- 6 Take the device to the exact location where you plan to install it in order to increase accuracy of the Link & RF Scan Test.

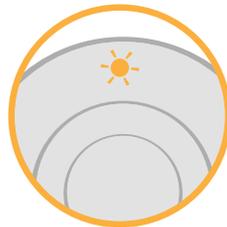


- 7 Twist the device into its base.



- 8 Observe the progress of the Link Quality Test.

The LEDs on the device will blink once every half second for 20 seconds. After this, the results of the Link Quality Test can be observed.



- 9 Observe Link Quality Test results.

- 4 4 blinks = Excellent link
- 3 3 blinks = Good link
- 2 2 blinks = Marginal link
- 1 1 blinks = Poor link
- Sold Red = No Link

- 10 After 5 minutes, the device will transition to the RF Scan Test. The test will run for no more than 70 minutes. Progress and results of the RF Scan Test will be shown with the LEDs.

Note: If no RF channels are available, the blink patterns that shown below will be red instead of green.

#### RF Scan Test progress

- 7 7 blinks every 30 seconds = 70 minutes until completion
- 6 6 blinks every 30 seconds = 60 minutes until completion
- 5 5 blinks every 30 seconds = 50 minutes until completion
- 4 4 blinks every 30 seconds = 40 minutes until completion
- 3 3 blinks every 30 seconds = 30 minutes until completion
- 2 2 blinks every 30 seconds = 20 minutes until completion
- 1 1 blinks every 30 seconds = 10 minutes until completion

#### RF Scan Test results

- Solid Green = Good
- Sold Red = Poor

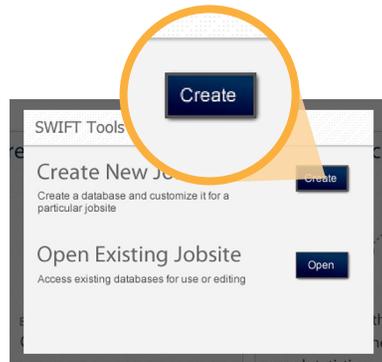
- 11 To test additional devices while the first and second devices are mounted, follow steps 5-9, but uses SLC address that are higher then those that are currently testing. These address must also be in ascending order.

# ANALYZE RF SCAN TEST DATA IN SWIFT TOOLS (OPTIONAL)

- 1 Insert the W-USB into your laptop's USB slot. Open SWIFT Tools.



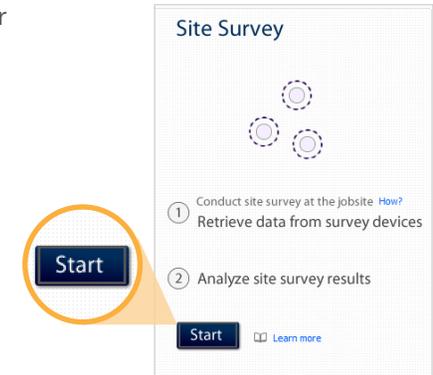
- 2 Click **Create** in Create New Jobsite
- Note: An existing jobsite can also be used.



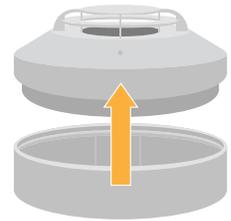
- 3 Enter jobsite information
1. Enter jobsite name and enter location / description
  2. Click **Create**



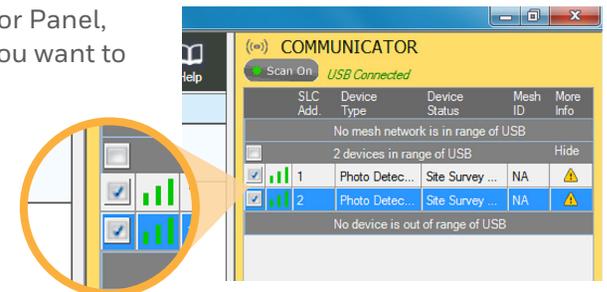
- 4 Click the **Start** button under Site Survey.



- 5 Tamper each device and bring them within range of your W-USB.

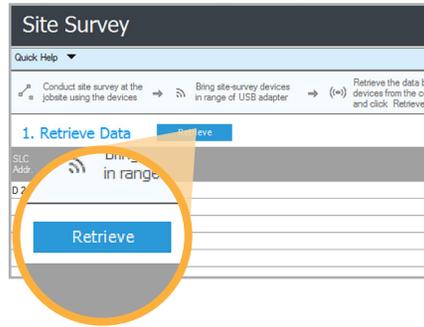


- 6 In the Communicator Panel, select the devices you want to retrieve data from.

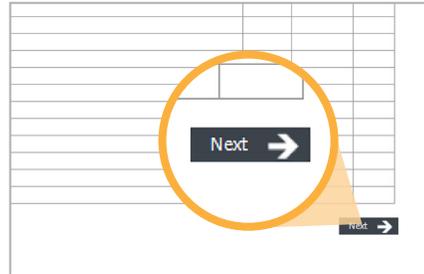


SLC Add.	Device Type	Device Status	Mesh ID	More Info
No mesh network is in range of USB				
2 devices in range of USB				
<input checked="" type="checkbox"/>	1	Photo Detec...	Site Survey ...	NA
<input checked="" type="checkbox"/>	2	Photo Detec...	Site Survey ...	NA
No device is out of range of USB				

7 Click the **Retrieve** button.

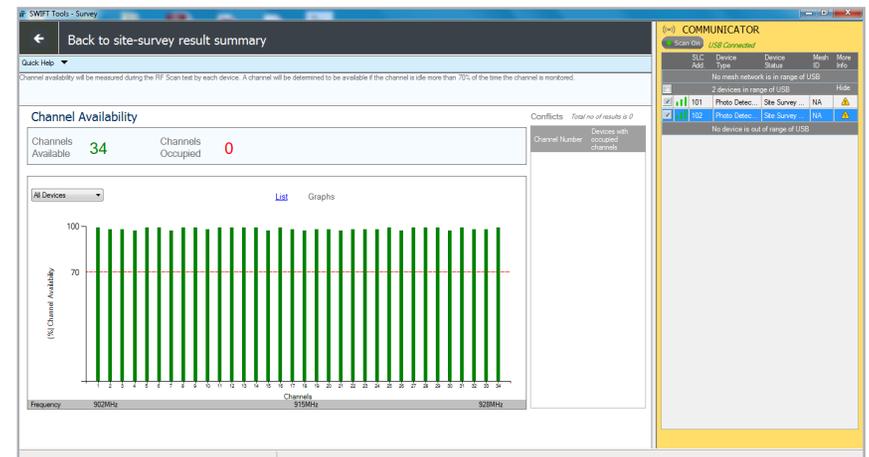
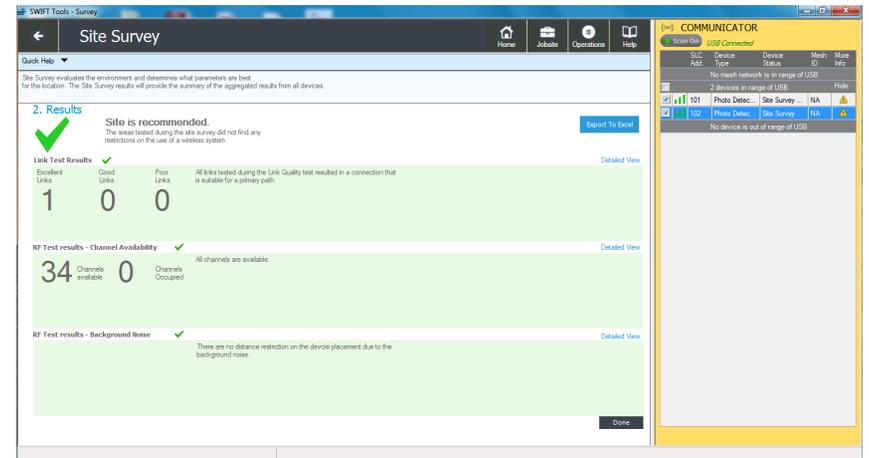


8 Once the data is retrieved, click the **Next** button near the bottom right of the screen to view the results of your Link Quality Test.



9 View your RF Scan Test results.

To view more detailed results, click on **Detailed View**.



## For additional support

[notifier.com](https://notifier.com)

**Customer Service:**

203-484-7161

**Tech Support**

[NOTIFIER.Tech@honeywell.com](mailto:NOTIFIER.Tech@honeywell.com)

800-289-3473