NOTIFIER®
by Honeywell

SWIFT®

SITE SURVEY (LINK TEST & RF SCAN) QUICK START GUIDE

REQUIRED TOOLS AND EQUIPMENT TO PERFORM RF SCAN TEST

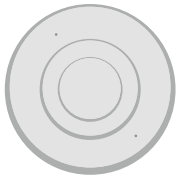


Small Flathead Screwdriver



Batteries

CR123A 3v
(Panasonic or Duracell)
One per each device



2 or more SWIFT Devices

All SWIFT devices must be in factory default.



SWIFT Bases for Detectors

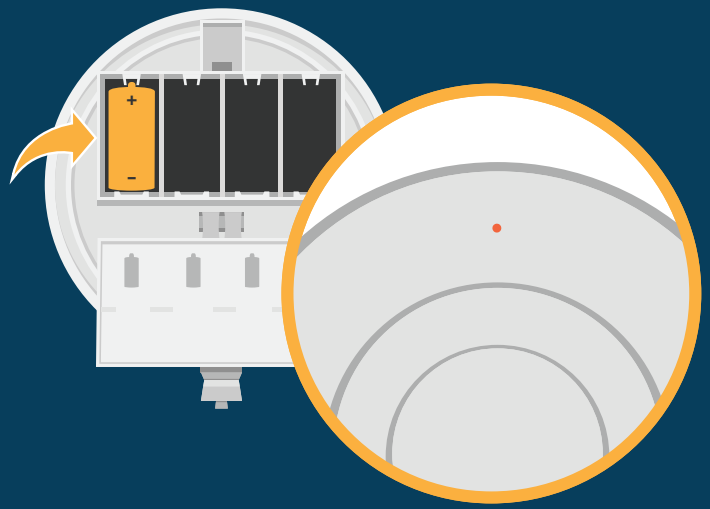


Windows Laptop with SWIFT Tools

W-USB

W-USB may need to be updated before use with SWIFT Tools. SWIFT Tools will automatically update the 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.

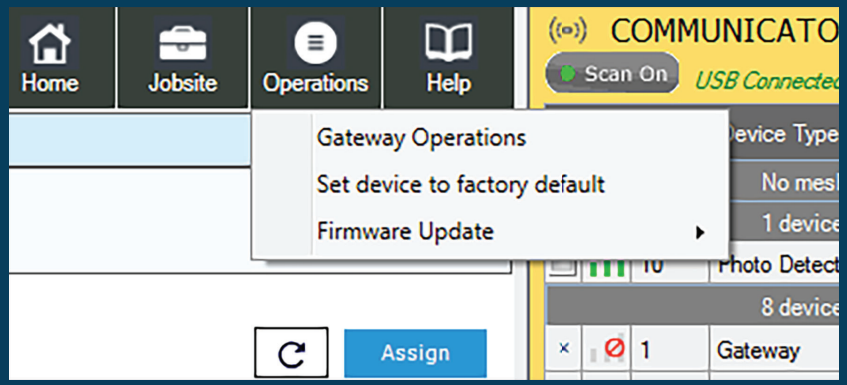
If the device is not in factory default, follow the process on the next page.

If the devices are new out of the box, they will be in factory default. Proceed to page 5.

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**.



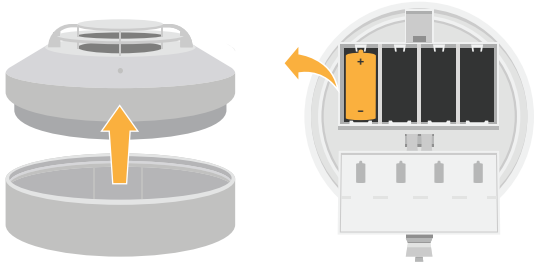
Manually:

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.



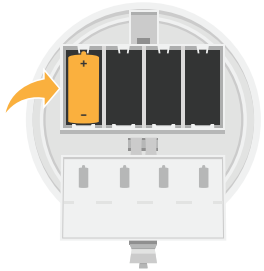
2. Use a small flathead screwdriver to address each device. Addresses must be between 101-159 and must be in ascending order. For example, if the first device is addressed 101, the second device should be 102. When the test begins
the devices will first perform a Link Test followed by the RF Scan Test.



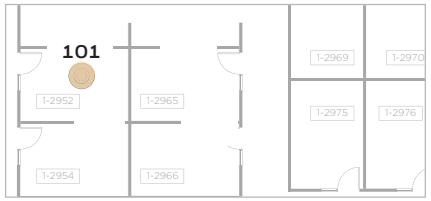
CONDUCT LINK TEST

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

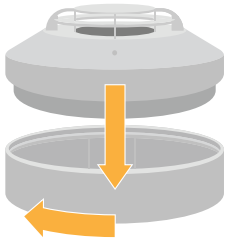
   Note: You can insert the battery into any slot on the device. Also, once the battery is inserted the device LEDs will blink red twice every 5 seconds. If the device is not showing this pattern, it must be set to factory default, see previous page.



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

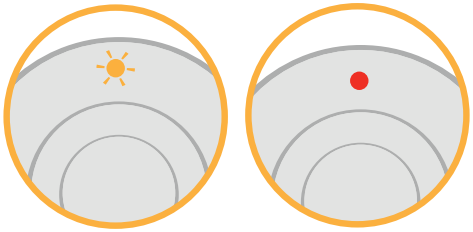


3. Twist the device into its base.



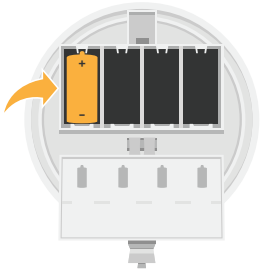
4. Observe LED pattern.

   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.

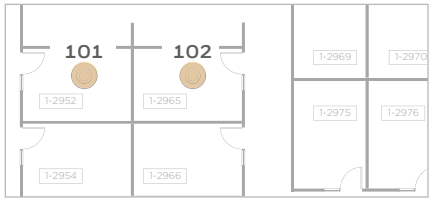


5 Insert one battery to power up the device with the next highest address.

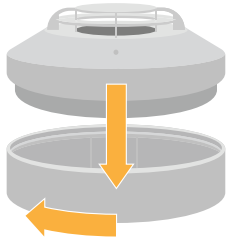
For example: 102 if the first device that was placed was 101.



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

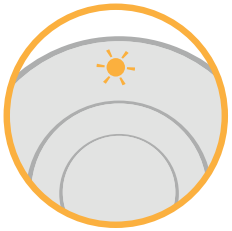


7 Twist the device into its base.



8 Observe the progress of the Link Test.

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



9 Observe Link Test results.

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

10 ## CONDUCT RF SCAN

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

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

RF Scan Test progress

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

RF Scan Test results

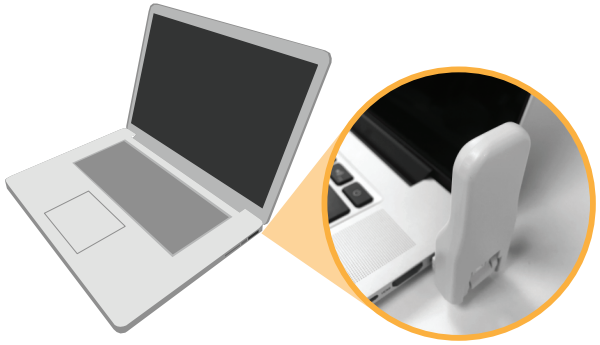
- Solid Green = Good
- Sold Red = Poor

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

ANALYZE LINK TEST & RF SCAN DATA IN SWIFT TOOLS

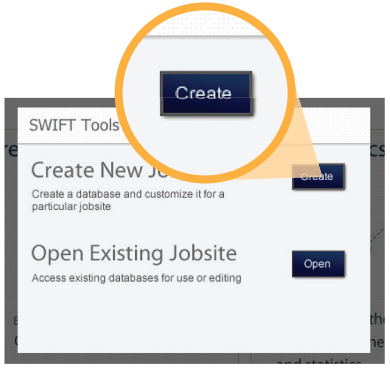
1. Insert the W-USB into your laptop's USB slot. Open SWIFT Tools.

   Note: The W-USB may need to be updated before use with SWIFT Tools. SWIFT Tools will automatically update the USB.



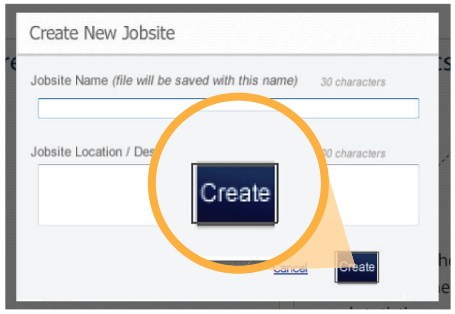
2. Click **Create** in Create New Jobsite

   Note: An existing jobsite can also be used.

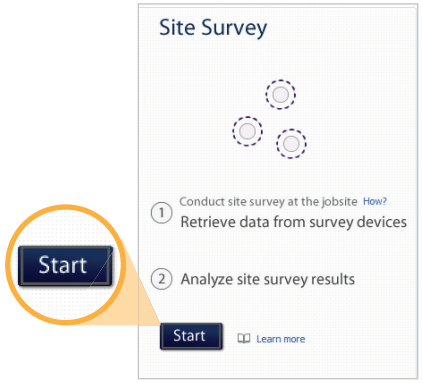


3. Enter jobsite information

   1. Enter jobsite name and enter location / description
   2. Click Create

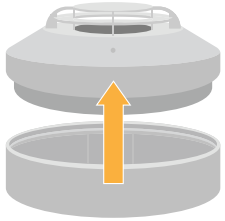


4. Click the **Start** button under Site Survey.

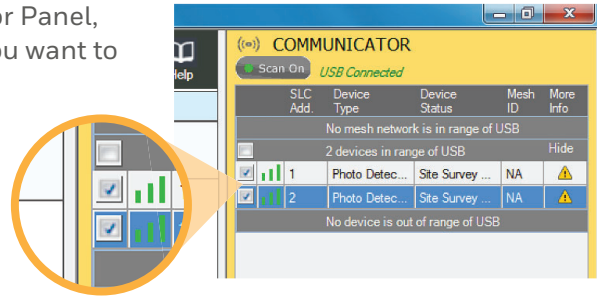


5. Return devices that have completed the Link Test & RF Scan to factory default by placing them in tamper..

   Caution: Do not place the base or cover plate onto a device that is in the Pending Site Survey state or the existing results will be replaced. Reference the SWIFT manual for more information.

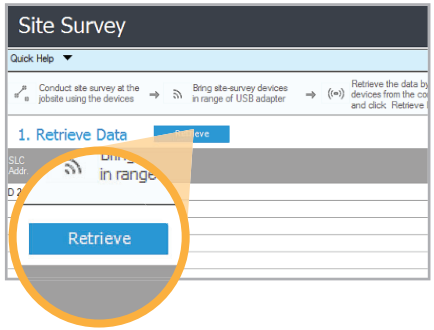


6. In the Communicator Panel, select the devices you want to retrieve data from.

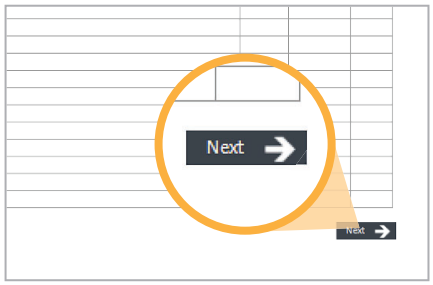


Note: Only devices that have site survey data can be selected. Devices collect site survey data by performing an RF Scan or Link Test as discussed on pages 5 & 6.

7 Click the **Retrieve** button.



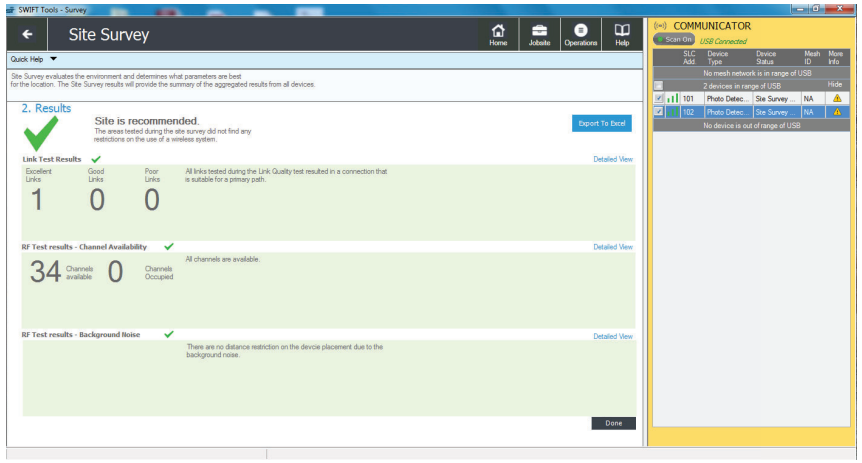
8 Once the data is retrieved, click the **Next** button near the bottom right of the screen to view the results of your Link Test and RF Scan..

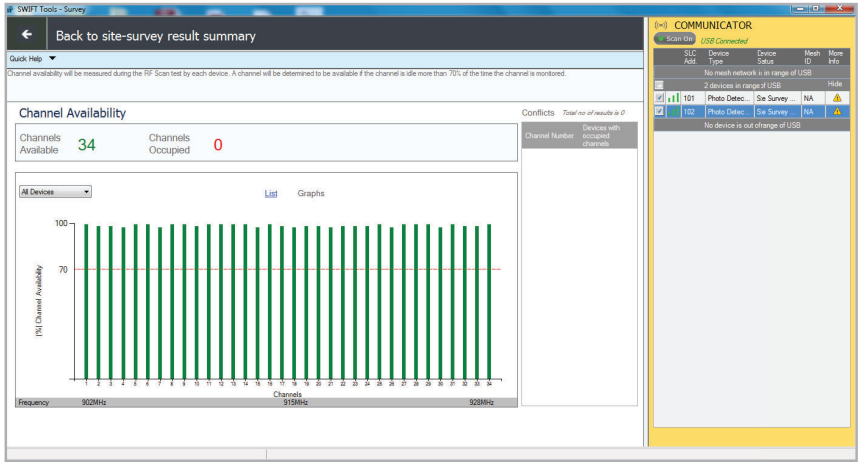


9 View your Link Test & RF Scan results.

To view more detailed results, click on Detailed View. To export data to an excel spread sheet select Export to Excel.

Note: RF Scan & Link Quality Test data will only appear on SWIFT if a full RF Scan & Link Quality Test was completed on the selected devices.





For additional support

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