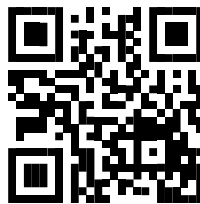


# Nice User Manual

At Swidget, we continually strive to enhance our products and capabilities. For the most up-to-date instructions, follow the provided link or scan the QR code.

<http://nice.swidget.com>



## Components

Swidget Smart Home products are comprised of a HOST wiring device and one of an assortment of interchangeable smart Inserts.



HOST



INSERT

Visit <https://support.swidget.com> for installation instructions for HOST wiring device.

## Setup

### 1. Installation

Place a Wi-Fi Insert into the HOST wiring device. The Insert will take approximately one minute to initiate.

### 2. Discovery Mode

When the Insert is blinking green, it is in **Discovery Mode** and ready to be paired.

**Note:** For security purposes, your Swidget Insert remains in discovery mode for 5 minutes. If not broadcasting, remove and reinsert into device.

### 3. Firmware

Insert Firmware must be updated via the Swidget app before attempting to connect it to NICE. Download the Swidget App from the iOS App Store or Google Play Store and follow the steps below to use the Swidget app to update the Insert firmware. QR code links are provided for helpful guidance on how to perform each of these steps.

**Note\*\*** Once updated, Insert/Device must be deleted from the Swidget App. At this time, you cannot use a Swidget Insert with NICE and the Swidget App concurrently.

1. Create a Swidget App user account



2. Pair Wi-Fi Insert to the Swidget App



3. Update firmware

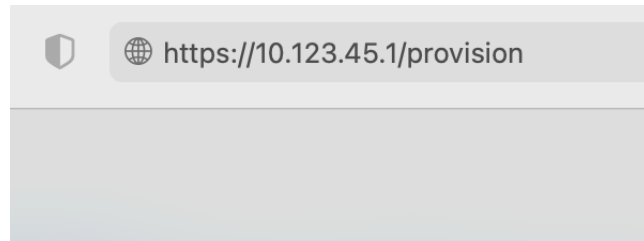
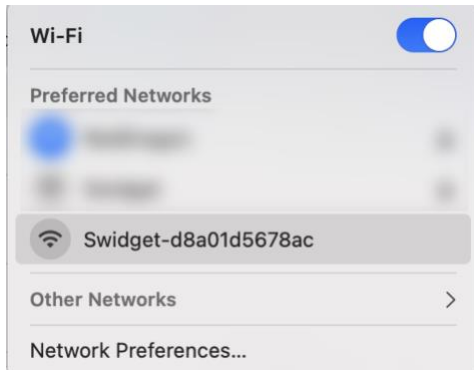


4. Delete Insert in the Swidget App



## 4. Local Provisioning

Once the firmware has been updated and the Insert has been removed from the Swidget App, it will return to Discovery Mode and begin blinking green. This will take about one minute. Connect your computer to the Swidget device's SSID/Wi-Fi Access Point and navigate to <https://10.123.45.1/provision>.



In the respective fields, enter the SSID and password of the network being used by the NICE system.

Recommended – Add a **Device Name**. This will populate in Nice Configurator.

When installing a Swidget 1P/3-Way Switch (S16001WA), select whether you are installing the switch for single-pole use, or if it is being used in a 3-way switch configuration.

Enter a user-defined security key in the **Set Key** field. Record this key as it will be required later in the provisioning process.

Select **Disable Authentication Method**.

Optional - **Set Static IP** address.

**For optimal performance and reference during the Nice connection steps, it is highly recommended that you note each device's IP address and mac address and reserve the IP address in your router settings.**

## 5. Special Insert Notes

### a. Temperature Calibration (for temperature sensor-enabled Swidget Inserts)

Once a device has reached steady state (approximately 40 minutes after boot-up), the device can be calibrated for optimized temperature readings. To calibrate a Swidget temperature sensor device, access the device's calibration portal by opening a web browser and navigating to <https://192.168.###.###:90/calibrate>. Two methods of calibration are supported, automatic and manual.

- i. Automatic calibration requires the device to be removed after the calibration has been initiated and allowed to settle at room temperature for 45 minutes. The device can be reinstalled after the 45 minutes and should be allowed to reach steady state (approximately 40 minutes). For best results, perform the calibration when room temperatures are stable. Fans, vents or other sources of moving air should be kept away from inserts during the calibration sequence. To initiate, click Auto Calibrate.
- ii. Manual calibration is much faster but requires the availability of an external reference temperature sensor. Enter the room temperature indicated by the external sensor in the Reference Temperature field and click update. The device should now be reading the correct temperature for its specific installation environment.

### b. Air Quality Sensor Calibration

When first connected to a Swidget wiring device, after having been removed and re-inserted, or after a power-outage, the Swidget Air Quality sensor may report 0 or 25. It will take up to 30 minutes before reporting actual air quality levels.

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## Connecting your Device to Nice Configurator

### Installing a Swidget Device

1. Open Nice Configurator and select **Communication Devices** from the **Lighting** module. Install the SwidgetPro driver by selecting **+ Communication Device**.
2. When SwidgetPro has been installed, complete the following steps:
  - a. add your **Secret Key**,
  - b. Set the **Number Of Devices** you are installing,
  - c. Choose the **Installation Mode**. If you are installing less than 10 Swidget devices, choose **Auto**. If greater than 10, choose **Manual**.
3. Select **Apply**, then **Discover/Install**.
4. **Auto Installation Mode** – your Swidget devices will be automatically discovered.
5. **Manual Installation Mode**
  - a. Select the driver instance under **Lighting Controllers** (ex. Swidget Lighting1)
  - b. Select **Lighting Devices** and select the gear icon.
  - c. Add the IP addresses of up to 10 Swidget devices and select **Apply**.
  - d. Repeat for multiple driver instances until all Swidget devices have been added.
6. The lighting control capabilities will be available under the **Lighting** module. The sensor capabilities will be available under the **Input/Output** module.

Within the Input/Output module, it is highly recommended to avoid confusion that you add unique names for all Numeric Inputs, especially the Power Inputs.

## Using your Device

### Input/Outputs

Swidget devices have a number of monitoring capabilities. Host and Insert combinations can have the following Input/Output capabilities that can be used for Nice programming:

		15A Outlet	20A Outlet	Switch	Dimmer	20/40/60 Switch	Auxiliary Switch
Input/Output	Power	√	√	√	√	x	x
	Temperature	√	√	√	√	√	√
	Humidity	√	√	√	√	√	√
	Motion	√	√	√	√	√	√
	Air Quality	√	√	√	√	√	√
	eCO2	√	√	√	√	√	√
	BVO	√	√	√	√	√	√
	Pressure	√	√	√	√	√	√