

AC Speedstick

WS-100

User manual



“INSTALL AND GET THE CALL”

User manual

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3-7.....	INSTALLATION DETAILS & INSTRUCTIONS
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Scan for online instruction

**install
instructions**



**wifi
set up**





Overview

The AC speedstick cuts the power between the condenser and the air handler. The AC speedstick does not communicate with the thermostat.

The AC speedstick can be attached to the end of your power wires between the condenser and the air handler.

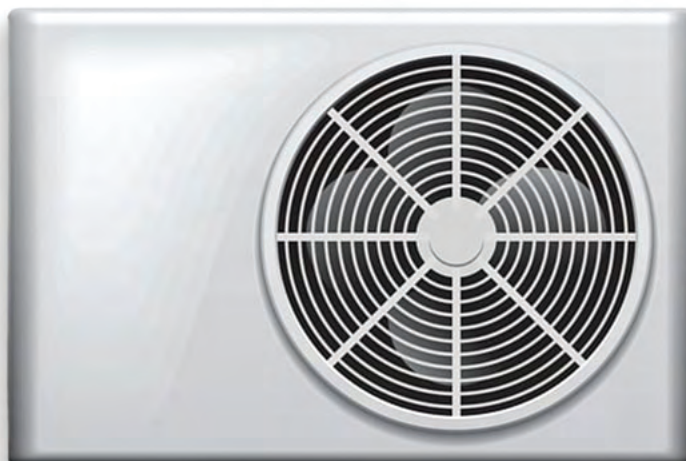
Mounting Location is close to air handler, either inside air handler, or on exterior of air handler.

*(See **WS-100** Wiring diagram on pg 25)*

Air Handler



Condenser



AC speedstick
WS-100

Installation instructions

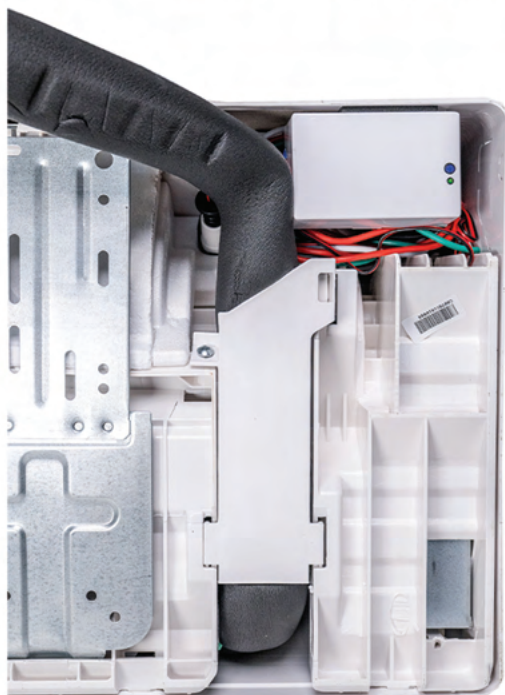
Speedstick WS-100

MOUNTING THE ELECTRONICS MODULE

1. Inside the air handler. (Concealed).

Position the module inside the airhandler and secure it in place, together with the wires, using tape and/or cable ties.

NOTE: *When the module is concealed inside the airhandler or in a lineset enclosure the LED's are not visible.*



2. On the exterior of the air handler. (Exposed).

The module can be attached to either of the vertical side panels or to the bottom of the air handler. Position it with the mounting clip and secure it in place by applying the double-sided tape supplied to the epoxy underside of the module. (see pictures)



3. Inside a line set cover. (Concealed).

Secure the module, together with the wires, in place using tape and/or cable ties.

WIRING

- 1 Ensure that power is shut off at the adjacent disconnect switch or at the main breaker.
- 2 Consult the air handler's installation manual to select the correct terminals.
- 3 Connect the power & communication wires to the input side of the module using wire-nuts.

NOTE: *The white communication wire passes through the module uninterrupted.*

- 4 Connect the output wires from the module to the air handler power input terminals.



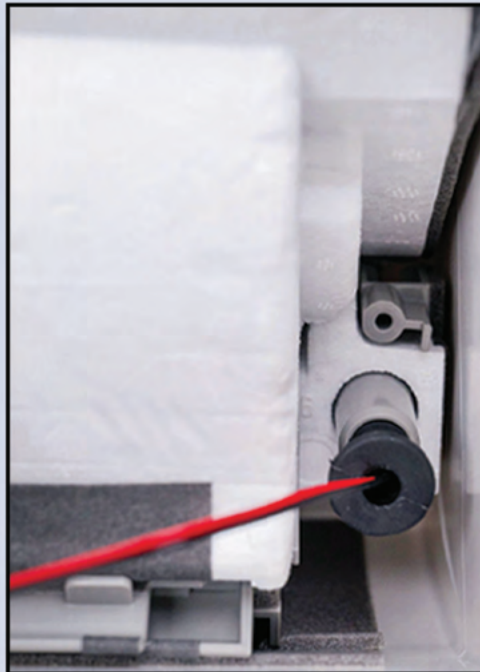
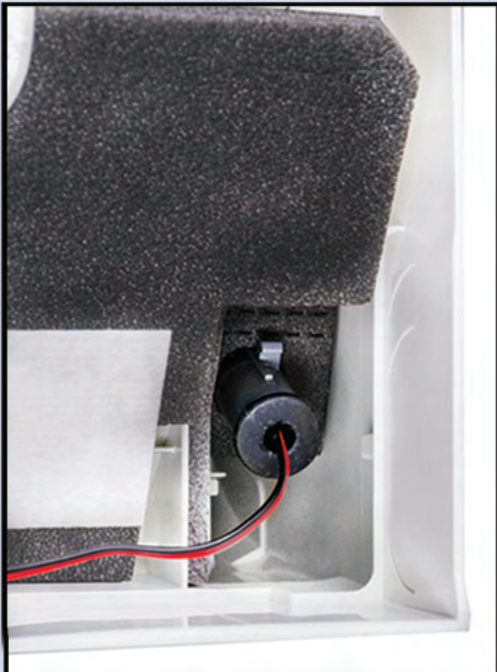
Installation tip: *Japanese and Korean Brands, such as Mitsubishi, Daikin, and Samsung, use a red wire as a communication wire, whereas the communication wire on our module is white.*

INSERTING THE WATER SENSOR PROBE

All ductless air handlers are fitted with 2 drain outlets, 1 at each end, to provide flexibility in positioning the condensate drain hose, which can be connected to either of these outlets.

Remove the rubber plug from the unused drain outlet and insert the rubber sensor probe into it, ensuring that it is securely seated to provide a leak-free connection.

Pics of water probe & installation.



TESTING & COMMISSIONING

- 1) Turn the power on at the breaker or disconnect switch.**
- 2) The module LED will illuminate Green. If the LED does not illuminate green, switch off the power and check the wiring.**
- 3) When the LED shows green, power on the air handler. If the air handler unit does not turn on, switch off the power and check the wiring.**
- 4) To prevent false alarms, a continuous contact of 10 seconds across the 2 sensor pins in the probe is required before the air handler switches off.**

If the probe sensor pins do not sense water contact for 10 seconds continuously, the air handler will turn back on.

Test by removing the probe from the drain outlet and shorting across the sensor pins with water or a metallic conductor. After 10 seconds the LED will illuminate RED and the air handler should stop.

Remove the water or the metallic conductor from the sensor pins in the probe and the air handler should start up again. Replace the probe securely in the drain outlet.

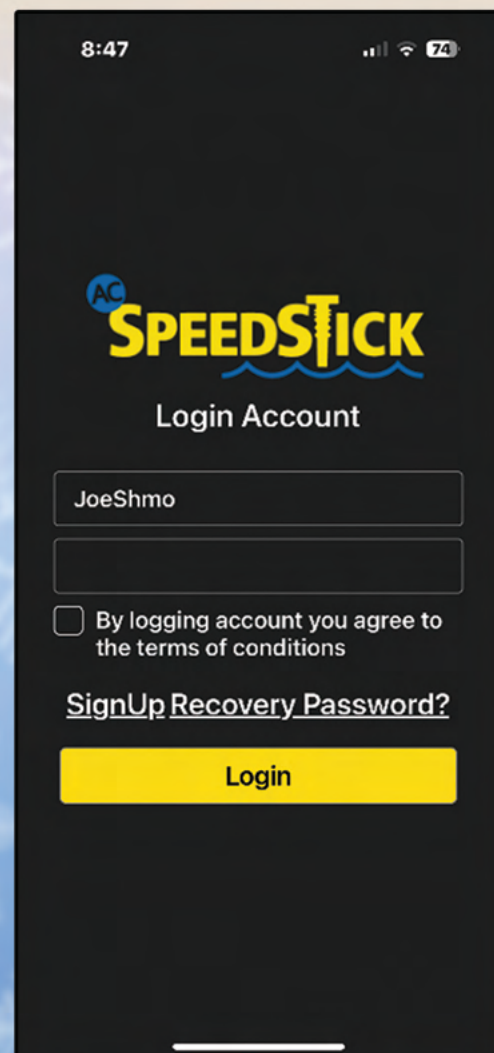
WIFI Hook Up for Iphone instructions



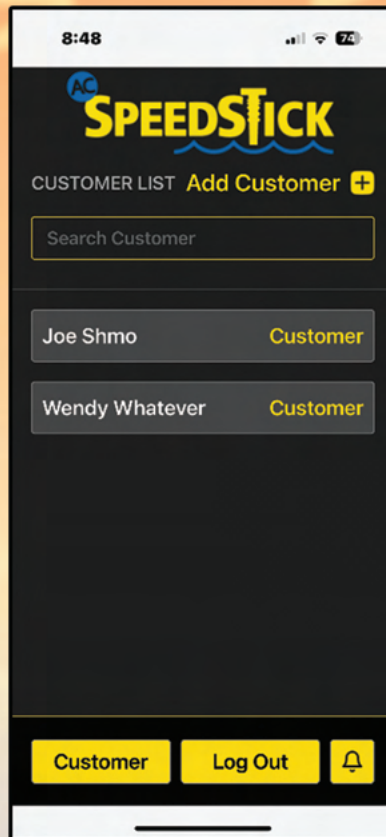
STEP BY STEP INSTRUCTIONS

- 1) Download the AC Speedstick app from the app store for Iphone.
- 2) Upon opening you are brought to a login screen.
- 3) You will have to create credentials and verify email
- 4) Click small terms box then click LOGIN.

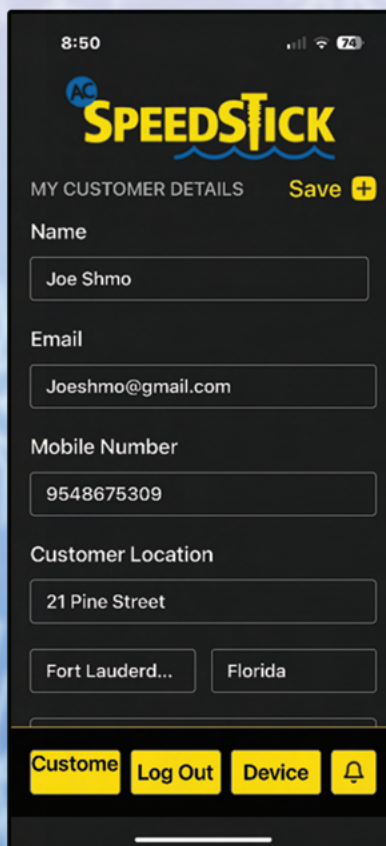
apple app.

A screenshot of the AC Speedstick app's login screen. The status bar at the top shows the time as 8:47, signal strength, Wi-Fi, and a battery level of 74%. The app logo, 'AC SPEEDSTICK', is prominently displayed. Below it, the text 'Login Account' is centered. There are two input fields: the first contains the text 'JoeShmo', and the second is empty. Below the input fields is a checkbox with the text 'By logging account you agree to the terms of conditions'. At the bottom, there are links for 'SignUp', 'Recovery', and 'Password?' in a light blue font. A large yellow button with the text 'Login' is positioned at the very bottom of the form area.

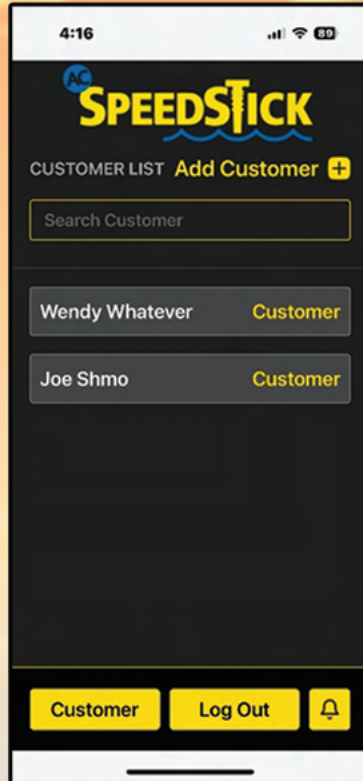
- 5) This next screen is your CUSTOMER page.
- 6) Click ADD CUSTOMER to create a customer.



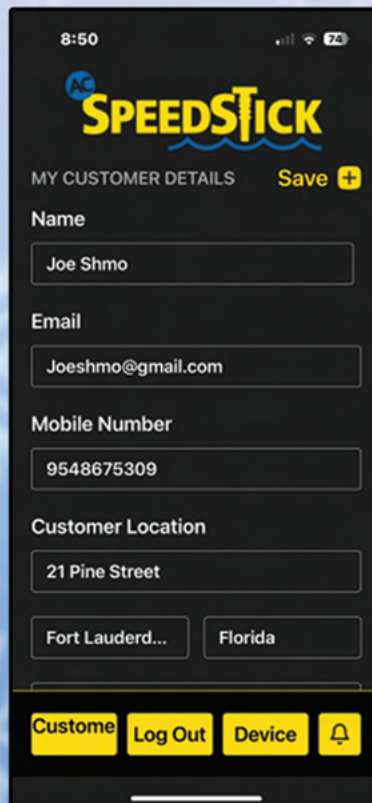
- 7) On this screen, you will enter the customers' details.
- 8) Click SAVE. (top right)



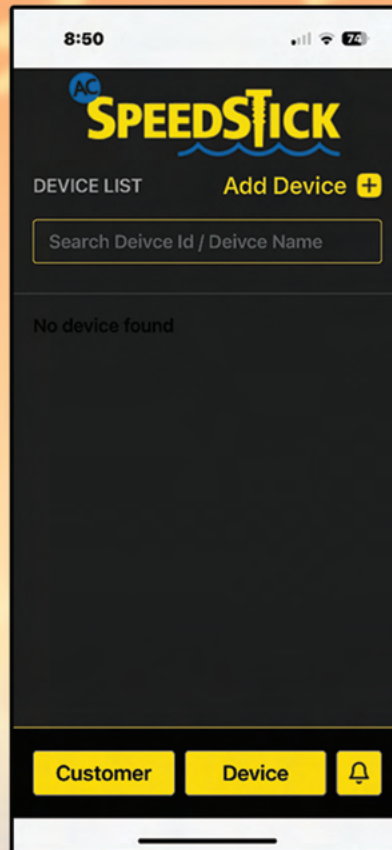
- 9) After you click save, it will go back to the CUSTOMER page.
- 10) Click on one of your customers. (NOTE: the CUSTOMER button will always bring you back to the CUSTOMER page.



- 11) This will bring you back to the customer details, which is already complete.
- 12) Click on the DEVICE button bottom right.



- 13) This will bring you to the DEVICE page.
- 14) Click ADD DEVICE. (top right)



- 15) This will bring you to the CONFIGURE device page.
- 16) Skip Device ID for now and fill in the Device Name.
Examples of Device Names would be “Bedroom 1” or
“Living Room” or “Elevator 3.”

A screenshot of a mobile application interface for configuring a device. The status bar at the top shows 8:50, signal strength, and 74% battery. The app header has the 'SPEEDSTICK' logo and a blue 'AC' icon. The page title is 'DEVICE DETAIL' with a 'Save +' button on the right. There are two grey buttons: 'Configure Wifi' and 'Save'. Below these are two input fields: 'Device ID' with a placeholder 'Enter Device ID' and 'Device Name' with a placeholder 'Enter Device...'. A section titled 'Contact Detail' has an 'Add More Contact +' link and three input fields: 'Enter Contact Email', 'Enter Contact Mobile', and a dropdown menu labeled 'Select item'. At the bottom, there is a 'Device Location' input field and three yellow buttons: 'Customer', 'Device', and a bell icon.

17) Then fill in the contact details, this would be the person or business that would receive the Text & Email alerts when the switch is tripped.

Note: Must select country code in drop down, to receive text alerts.

AC SPEEDSTICK

DEVICE DETAIL Save +

Configure Wifi

Save

Device ID Device Name

Deiva Enter Device Name

Contact Detail Add More Contact +

Enter Contact Email

Enter Contact Mobile

Select Country Code

USA

India

Canada

Germany

France

18) Click CONFIGURE WIFI.

4:55

AC SPEEDSTICK

DEVICE DETAIL Save +

Configure Wifi

Save

Device ID Device Name

Enter Device Name Enter Device Name

Contact Detail Add More Contact +

Enter Contact Email

Enter Contact Mobile

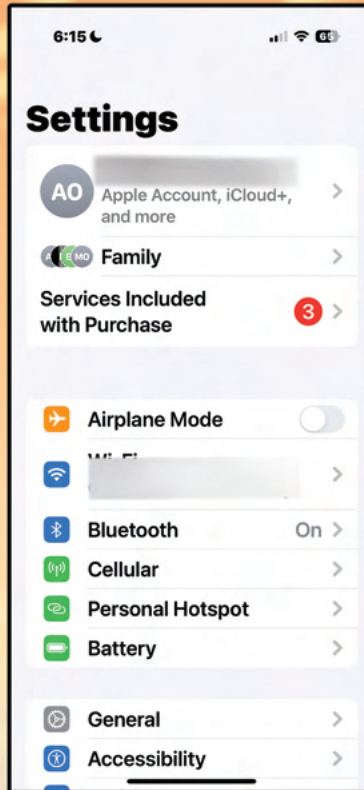
Select item

Device Location

Enter Device Location

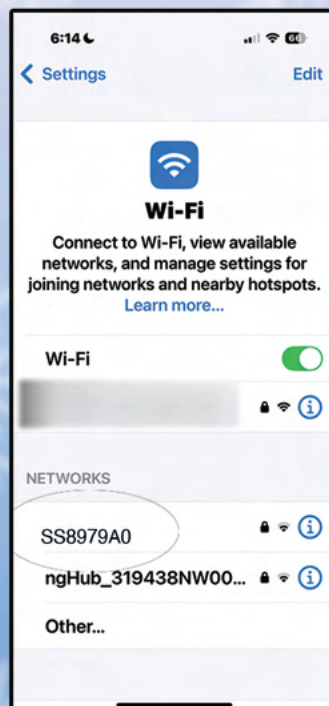
Customer Device

- 19) This will take you to your **SETTINGS**.
20) Scroll down and click **WIFI**.



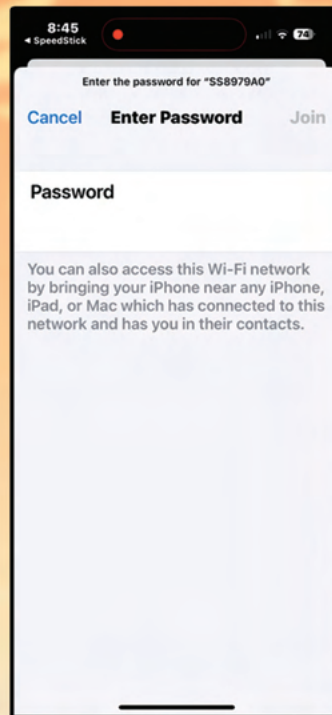
TECH TIP: *Installer needs to be close to the air handler and within WIFI range for WIFI hookup.*

- 21) In the **WIFI** screen, you will see your local **WIFI**, and towards the bottom of the screen you will see **NETWORKS**.
22) Look for a number beginning with **SS**, as you will see **SS8979A0** in below picture.



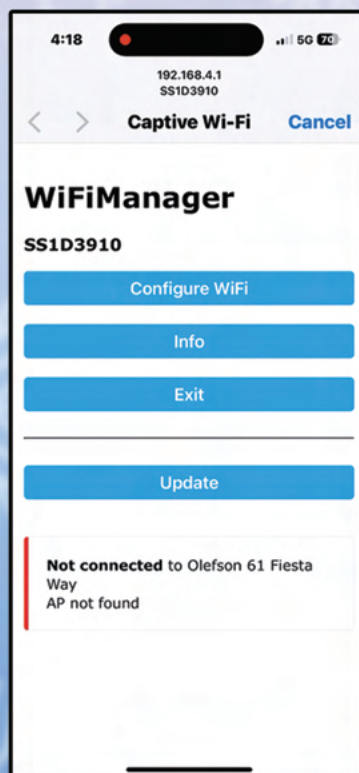
- 23) **IMPORTANT** Before you click on the **SS#**, take a screen shot or write the **SS#** number down.

24) After you have written down the SS#,
click on the SS# number in your network.



25) Enter the following password: **SpeedStick@1**

26) This will bring you to the WiFi Manager Screen.
27) Click Configure WiFi button.



Note: It can take a few seconds to go to WIFI networks.

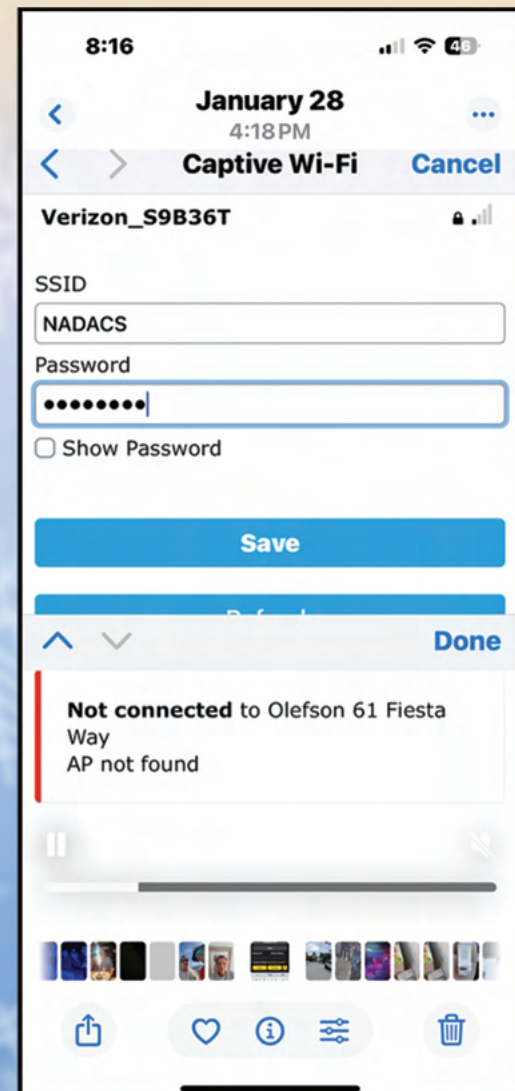
28) Choose WiFi Network.

29) You will need Wifi Password for the next step.



30) Enter WIFI Password.

31) Click SAVE.



32) Saving Credentials Page will take a few seconds and then disappear and bring you back to WIFI Networks.



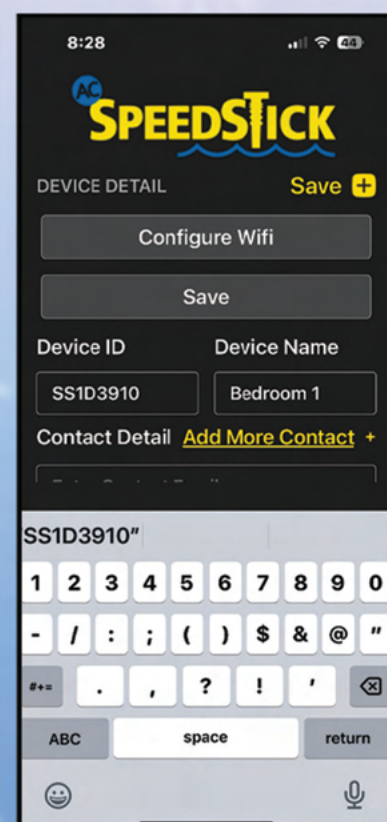
33) Open up the ACSpeedStick App again and enter the SS# in Device ID field.

34) Click SAVE top right.

Switch is now connected to the internet and will notify via e-mail and text, when the switch is tripped.

After Saving, it will bring you back to device page and you can click Customer Button to return to customer page.

For further support please contact:support@acspeedstick.com.



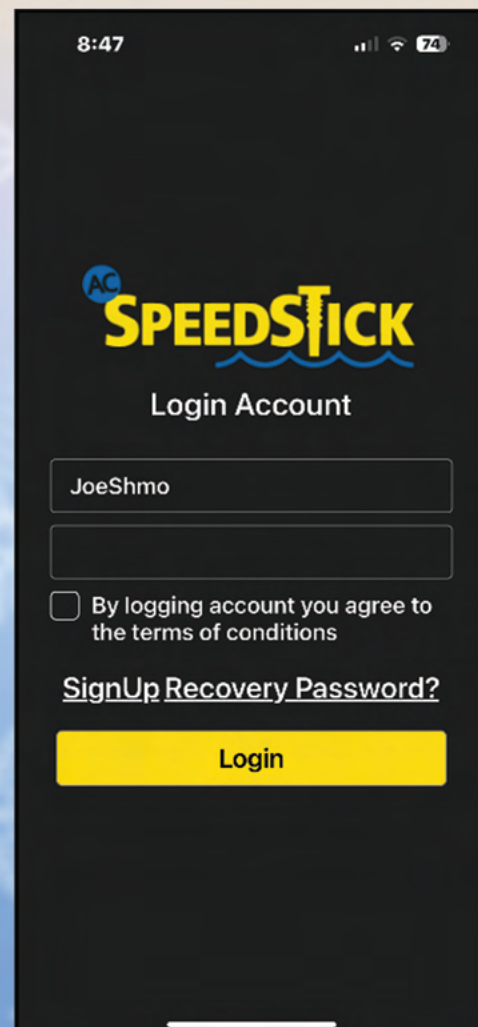
WIFI Hook Up for Android instructions



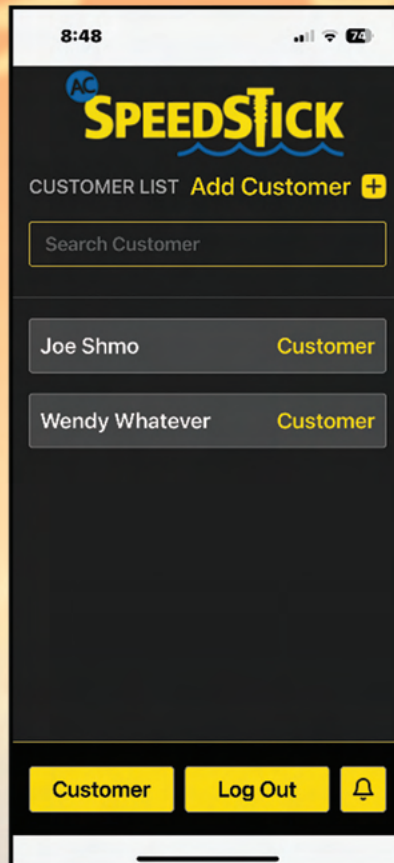
STEP BY STEP INSTRUCTIONS

- 1) Download the AC Speedstick app from Google play store.
- 2) Upon opening you are brought to a login screen.
- 3) You will have to create credentials and verify email.
- 4) Click small terms box then click LOGIN.

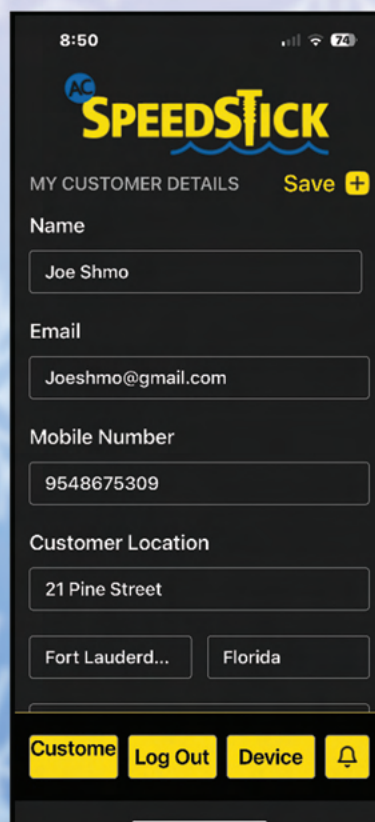
android app.

A screenshot of a mobile app's login screen. At the top, the status bar shows the time 8:47, signal strength, Wi-Fi, and battery at 74%. The app logo 'AC SPEEDSTICK' is displayed, with 'AC' in a blue circle and 'SPEEDSTICK' in yellow. Below the logo is the text 'Login Account'. There are two input fields: the first contains 'JoeShmo' and the second is empty. Below the fields is a checkbox with the text 'By logging account you agree to the terms of conditions'. At the bottom, there are links for 'SignUp', 'Recovery', and 'Password?' in blue, and a yellow 'Login' button.

- 5) This next screen is your CUSTOMER page.
6) Click ADD CUSTOMER to create a customer.



- 7) On this screen, you will enter the customers' details.
8) Click SAVE. (top right)



- 17) Then fill in the contact details, this would be the person or business that would receive the Text & Email alerts when the switch is tripped.

Note: Must select country code in dropdown, to receive text alerts.

SPEEDSTICK

DEVICE DETAIL Save +

[Configure Wifi](#)

[Save](#)

Device ID: Deiva | Device Name: Enter Device Name

Contact Detail [Add More Contact +](#)

Enter Contact Email

Enter Contact Mobile

Select Country Code

- USA
- India
- Canada
- Germany
- France

- 18) Click CONFIGURE WIFI.

4:55

SPEEDSTICK

DEVICE DETAIL Save +

[Configure Wifi](#)

[Save](#)

Device ID: Enter Device ID | Device Name: Enter Device Name

Contact Detail [Add More Contact +](#)

Enter Contact Email

Enter Contact Mobile

Select Item

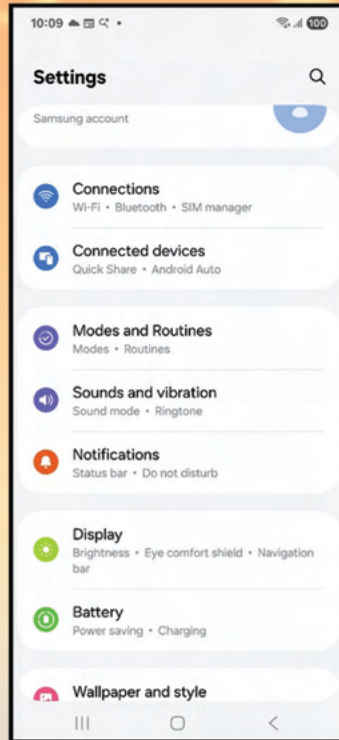
Device Location

Enter Device Location

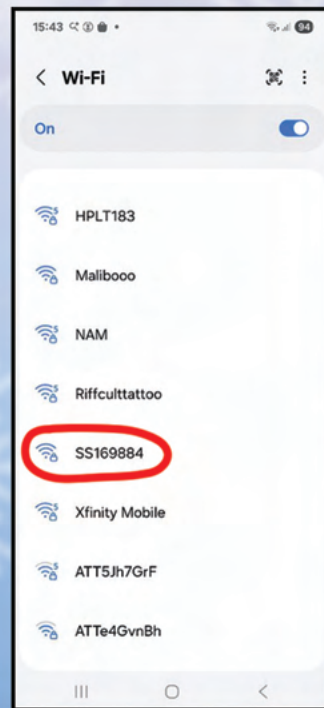
[Customer](#) [Device](#)

- 19) This will take you to your **SETTINGS**.
20) Scroll down and click **WI-FI**.

TECH TIP: *Installer needs to be close to the air handler and within WI-FI range for WI-FI hookup.*



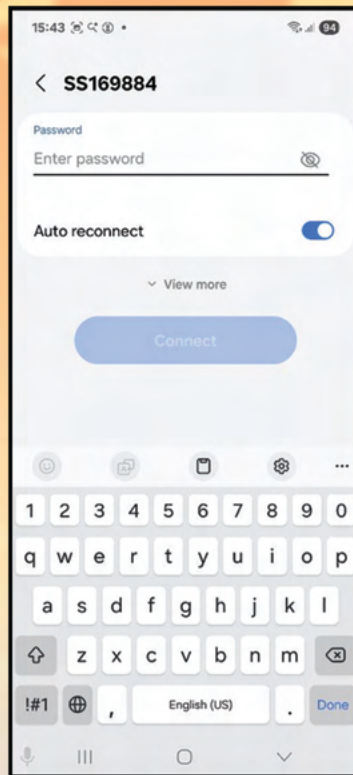
- 21) In the **WI-FI** screen, you will see your local Wi-Fi, and towards the bottom of the screen you will see **NETWORKS**.



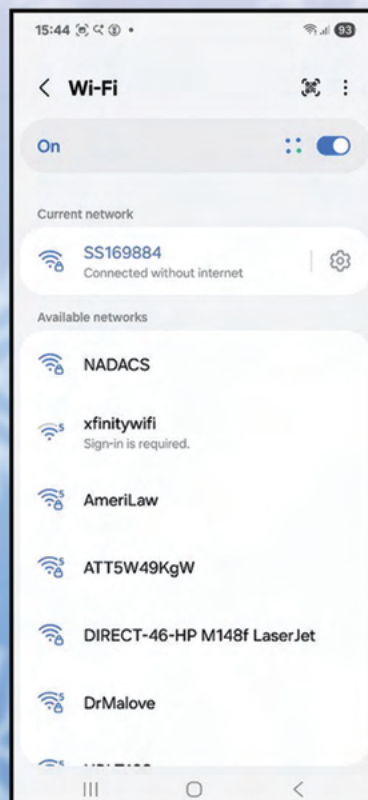
- 22) Look for a number beginning with **SS**, as you will see **SS8979AO** in below picture.
23) **IMPORTANT** Before you click on the **SS#**, take a screen shot or the **SS#** number down.

24) After you have written down the SS#, click on the SS# number in your network.

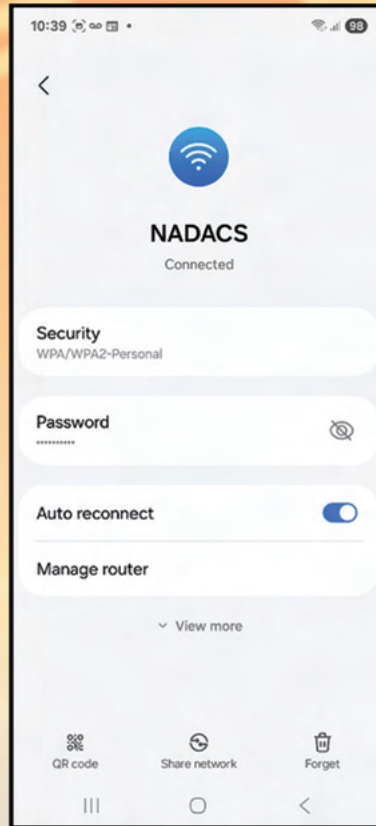
25) Enter the following password: **SpeedStick@1**



26) After password is entered, Android brings you to Wi-Fi page and you will see the SS# listed under 'Current network'. Click on the 'settings Icon' to the right of SS#.

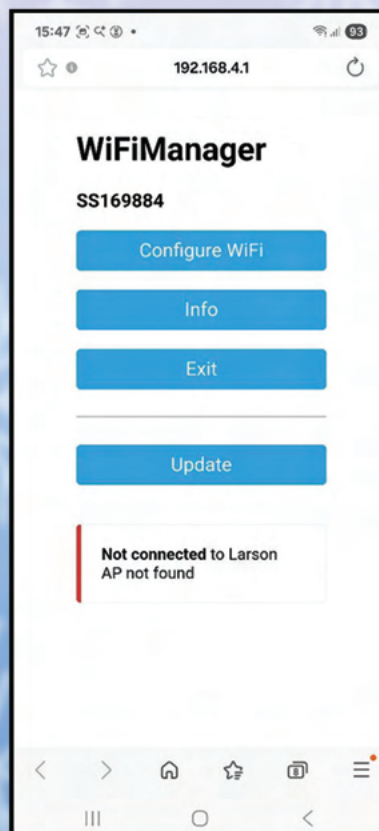


27) This will bring you to the WiFi page, scroll down and click on 'Manage Router'.



28) Click Configure WiFi button.

Note: Can take a few seconds to go to WIFI networks.



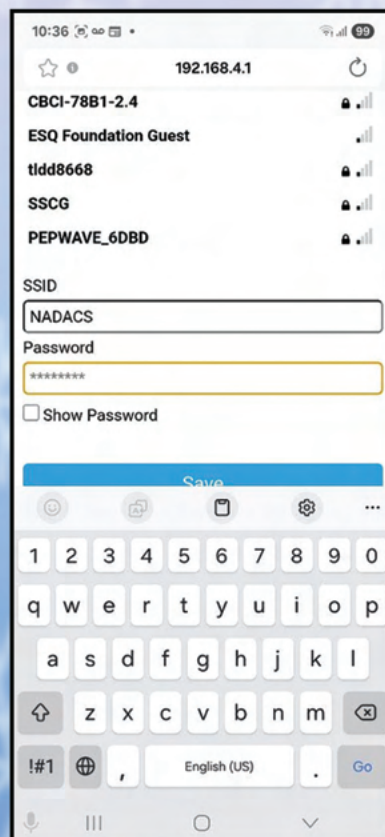
29) Choose WIFI Network.

30) You will need WIFI Password for the next step.



31) Enter local WIFI password.

32) Click on SAVE.



- 33) Saving Credentials Page will take a few seconds. If it does not advance to another screen after 1 minute, then open up the ACSpeedStick app again. The blue LED light on the module should be solid blue at this point.

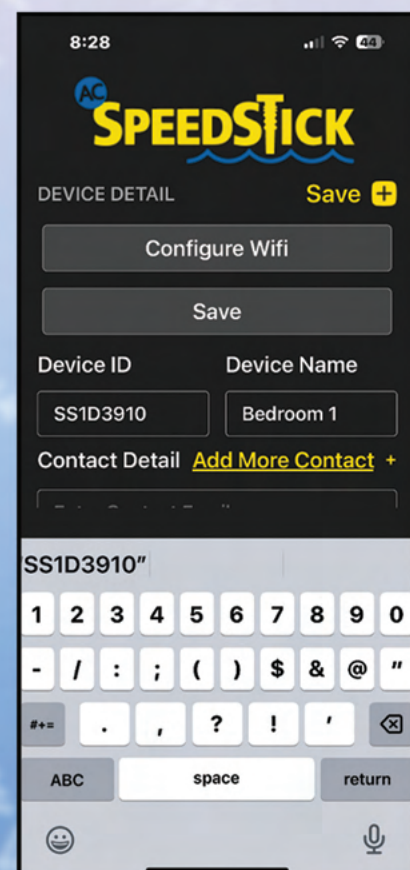


- 34) Open up the ACSpeedStick App again and enter the SS# in the Device ID field.
35) Click SAVE top right.

Switch is now connected to the internet and will notify via e-mail and text, when the switch is tripped.

After Saving, it will bring you back to device page and you can click Customer Button to return to customer page.

For further support please contact: support@acspeedstick.com

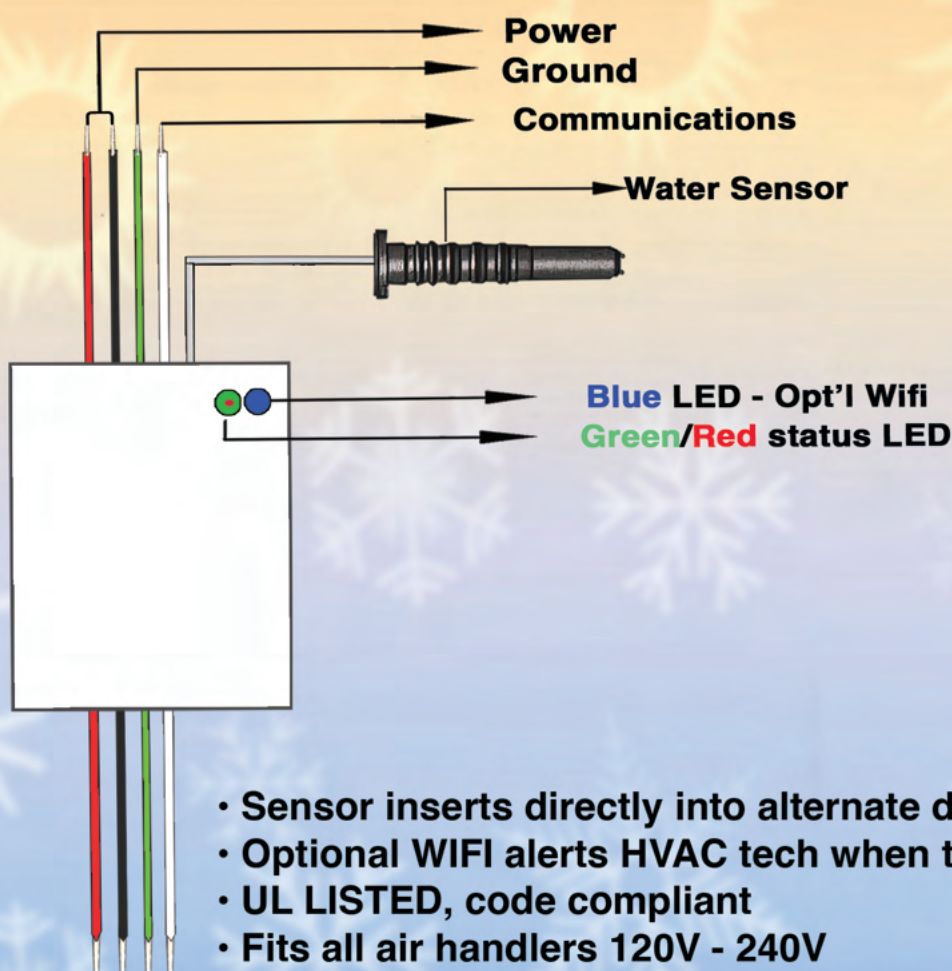


Wiring Diagram

WS-100

WATERSWITCH

FOR MINI SPLIT/DUCTLESS AIR HANDLERS



- Sensor inserts directly into alternate drain outlet
- Optional WIFI alerts HVAC tech when triggered
- UL LISTED, code compliant
- Fits all air handlers 120V - 240V
- 10 sec. delay eliminates false alarms
- Auto reset when water level recedes
- Reconnects after power loss
- Green/Red status LED
- Blue WIFI LED
- Includes decal for air handler
- PATENT PENDING





WS-100 WATERSWITCH

whats in the box?

- Air handler decals
- 3M double sided tape
- wire crimp terminals
- Instruction booklet





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info@marketair.com

ACSPEEDSTICK.COM