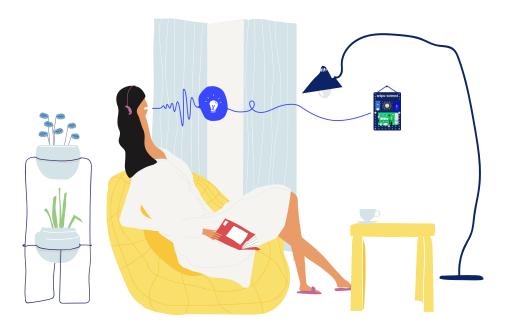
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Voice Interaction Development Kits

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Voice Interaction Development Kits

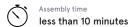


Meet your new

Voice Interaction Development Kit

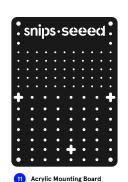
With this kit from Snips and Seeed empowers you will build your own personal, private by design voice assistant with natural language processing and automatic speech recognition powered by the Snips Voice Platform.

You'll learn how to assemble your sleek open-hardware pegboard with a Seeed ReSpeaker 2-Mics Pi HAT and a Raspberry Pi, and connect the hardware to the Snips voice assistant. The kit also includes two (2) Grove modules- the Temperature & Humidity Sensor and the Relay - which help you gather environmental data and control the kit's ON / OFF states via voice commands.



This guide illustrates the basic steps to build your out-of-the-box kit. For more in-depth technical documentation, please visit https://docs.snips.ai/the-maker-kit.

What's in the







12 Acrylic Protective









6 Screwdriver



Raspberry Pi3 B+ (1.1) or Raspberry Pi Zero W (1.2)















2 ReSpeaker 2-Mics

8 Speaker 60hm 2W





9 Power Adapter with Micro USB

12 mm, spacer

25 mm, spacer













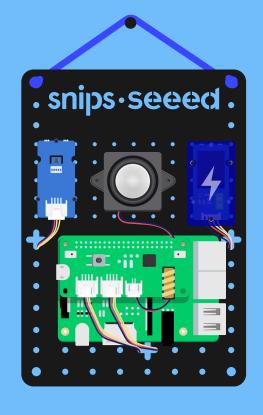






5 mm, M2.5 phillips screw

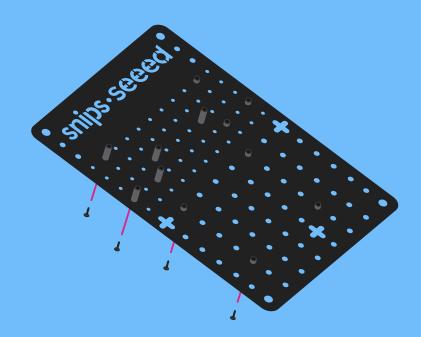
How to build



^{*} If you purchased a Voice Interaction Satellite Kit, the only difference in assembly is the Raspberry Pi - the Base Kit's Raspberry Pi 3 B+ will be replaced by a Raspberry Pi Zero W.

Step 1

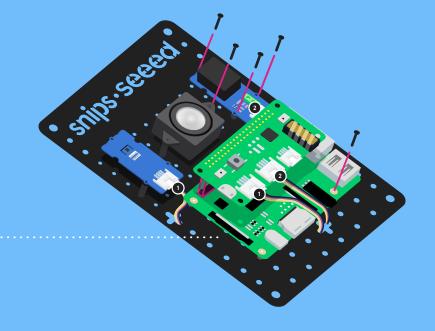
Place all standoffs on the front of the mounting board and fix them with screws from behind.



Step 2

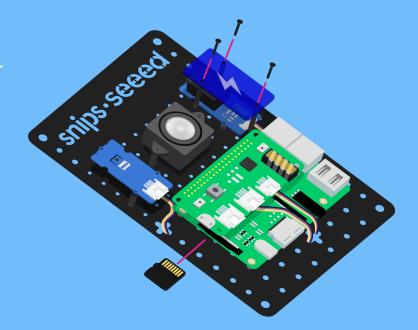
Place all hardware components on the standoffs and screw in place.





Step 3

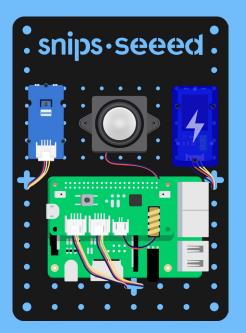
Mount the blue acrylic cover on top of the Grove Relay module and secure with 3 screws. Insert SD card into Raspberry Pi.



Step 4

The kit can be placed in two ways. You can either keep your kit on a horizontal surface as a stand using the two included table stands, or you can hang your kit on the wall using the included blue rope.





Congratulations, you've just assembled your Voice Interaction Development Kit

Now you're ready to connect your kit to the Snips Voice Platform.

- 1. Power the kit with the default power adapter included, or use a 5.0V-3.0A DC adapter with a Micro USB connector.
- 2. Install the Snips assistant on the Raspberry Pi. To save you setup time, the MicroSD card included in your kit has been flashed with the full functional system image, which means the Snips assistant is ready for your trigger words (in English). We suggest you review the step-by-step installation guide by visiting https://docs.snips.ai/getting-started/quick-start-raspberry-pi to learn the sam tool in command line.
- 3.Trigger the assistant by first saying "Hey Snips", followed by these commands:

Command	Action		
What's the temperature?	Responds with the current temperature		
What's the humidity?	Responds with the current humidity		
Turn the relay on.	The relay closes and the red LED turns on		
Turn the relay off.	The relay opens and the red LED turns off		

What's Next?

You've just set up your very own private-bydesign smart speaker! Now that you've experienced what's possible with the Voice Interaction Kit, we'd love to see what you do with it. Get up and running with more tools to help build your own smart speaker projects:

https://docs.snips.ai/the-maker-kit

Don't forget to share your creations with the maker community at

#MakeWithSnips



