

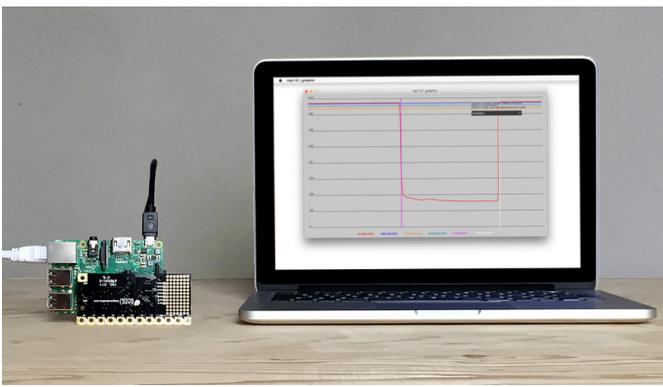


# 5

## WAYS YOU CAN USE YOUR Pi Cap

The **Pi Cap** adds precise capacitive touch, proximity sensing and high quality audio to your Raspberry Pi. Connect your Pi project to the physical world. Create sensors by connecting Electric Paint or anything conductive to one of the Pi Cap's 12 electrodes to control audio, video or connect to the internet.

Here are some of the many ways you can use your **Pi Cap**.



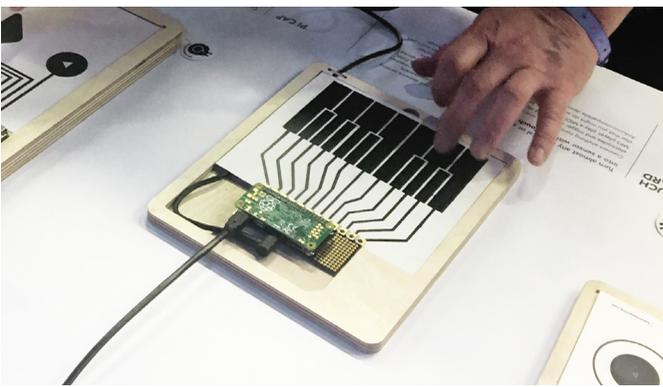
### 1 SENSORS FOR YOUR PI

The **Pi Cap** can be used to create capacitive touch or distance sensors. Whether you want to keep it plugged in to a screen or make it a self-standing wearable, there's loads of opportunities with this tiny and powerful add-on. Our Raspbian package contains code examples for C++, Python and Node.js.



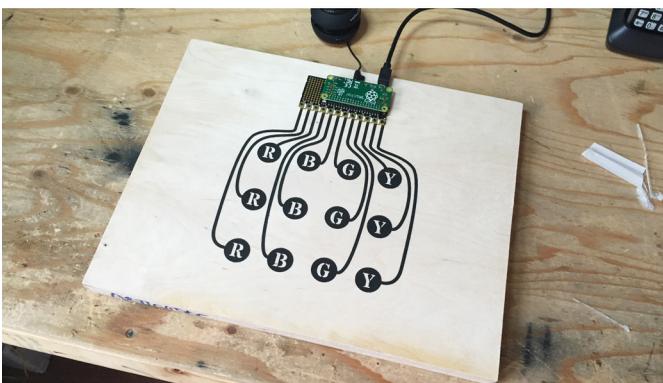
### 2 COMPATIBILITY

The Pi Cap is compatible with the Pi Zero, Raspberry Pi 1 A+/B+, Raspberry Pi 2 or Raspberry Pi 3. It works with any Raspberry Pi with a 40 pin GPIO connector. Our easy-to-follow instructions should help you get started.



### 3 POLYPHONY

The **Pi Cap** can be used as a polyphonic interface. Use our MIDI code example and build your own musical instrument or interface. You can paint a paper piano using **Electric Paint**, or manipulate any other MIDI signal.



### 4 DESIGN CUSTOM SENSORS

Use the **Pi Cap** alongside **Electric Paint** to make custom game controllers or to design your own HID interface. The Pi Cap's sensors are highly robust, so your custom graphic will be reliable and fast.



### 5 MAKE A WEARABLE

The **Pi Cap**'s small footprint means you can use it alongside your Pi Zero to make a very small device. Create a wearable, and take advantage of its prototyping area to add some custom features.

## SHARE YOUR WORK

Share with the team at [info@bareconductive.com](mailto:info@bareconductive.com)

#PiCap

@bareconductive

[bareconductive.com](http://bareconductive.com)

## FIND MORE TUTORIALS ONLINE

Our **MAKE** page is full of project examples to get you started with the **Pi Cap**. Whether you're looking for technical tutorials, step-by-step instructions, or community projects, this is the place to go for ideas and inspiration.