

PIXEL

SUPER PIXEL ASSEMBLY GUIDE



IN THE BOX



Kitten Not Included ☺



PIXEL Board and Cables



Power Supply

The two mounting brackets and Raspberry Pi mounts will be pre-installed.

Order of Installation

Step #1: Unpack

Step #2: Mount PIXEL Board

Step #3: Mount On/Off Switch

Step #4: Plug in Ribbon Cables

Step #5: Plug in LED Panel Power Cables

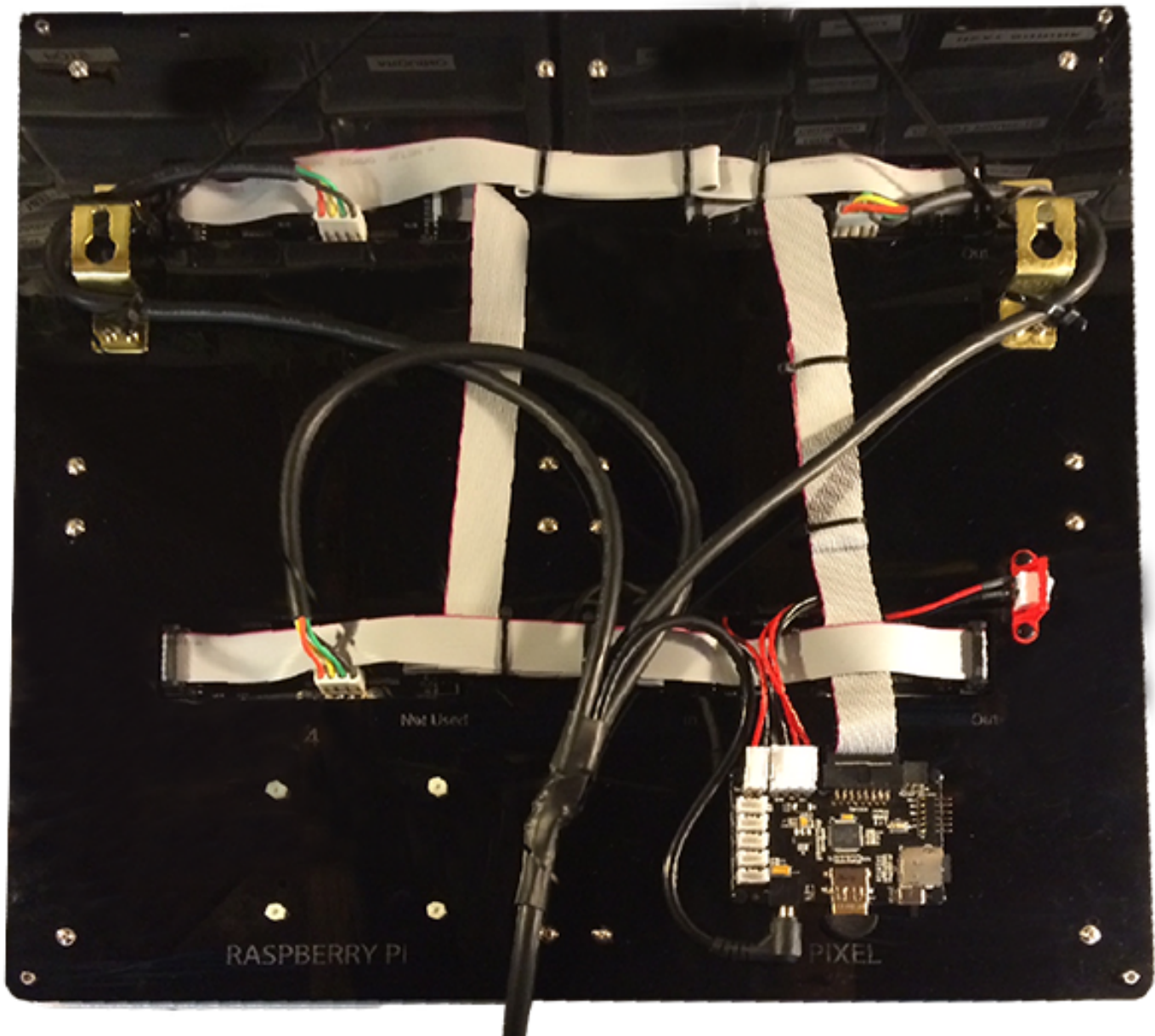
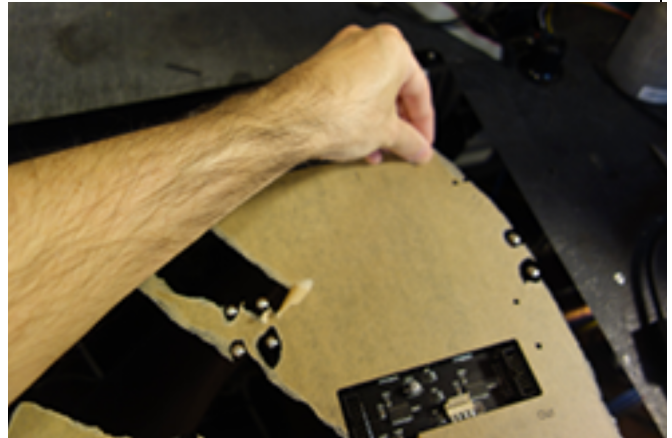


Figure 1 – Back of SUPER PIXEL

Step #1: Unpacking



Remove the paper on the back of SUPER PIXEL. Do not remove the paper on the front until the end to avoid scratches. Lay SUPER PIXEL face down on something soft like the rectangular foam piece in PIXEL's shipping box.

Step #2: Mount PIXEL Board

Use four of the included plastic rivets to mount the PIXEL board. IMPORTANT: When using the rivets, ensure the rivet is partially inserted in the base before snapping in as shown in this video https://www.youtube.com/watch?v=bg-gb_YB7ZM. If you do not do this, the rivet will not mount and attach correctly.



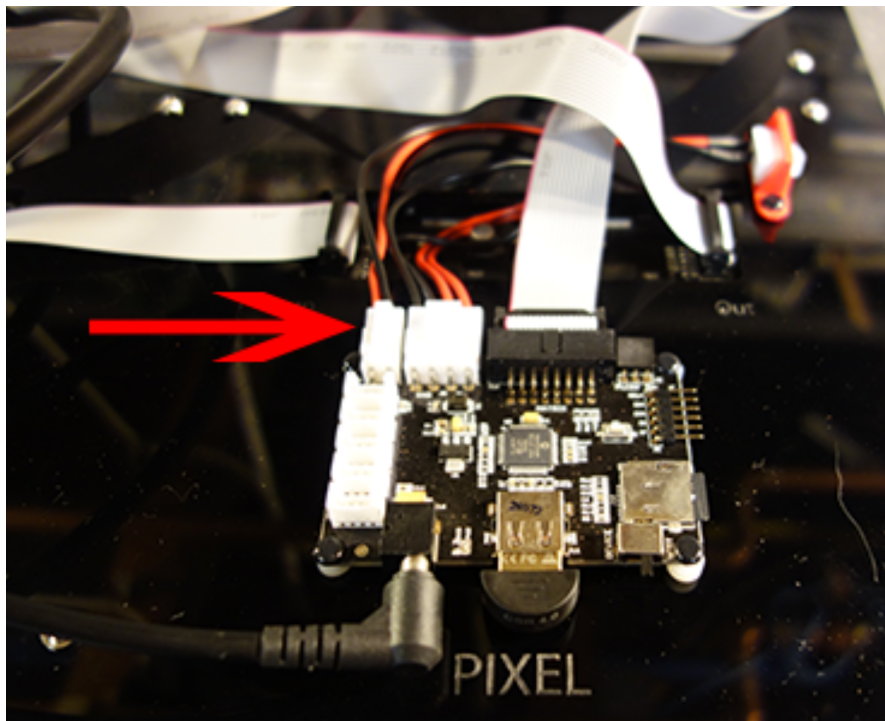
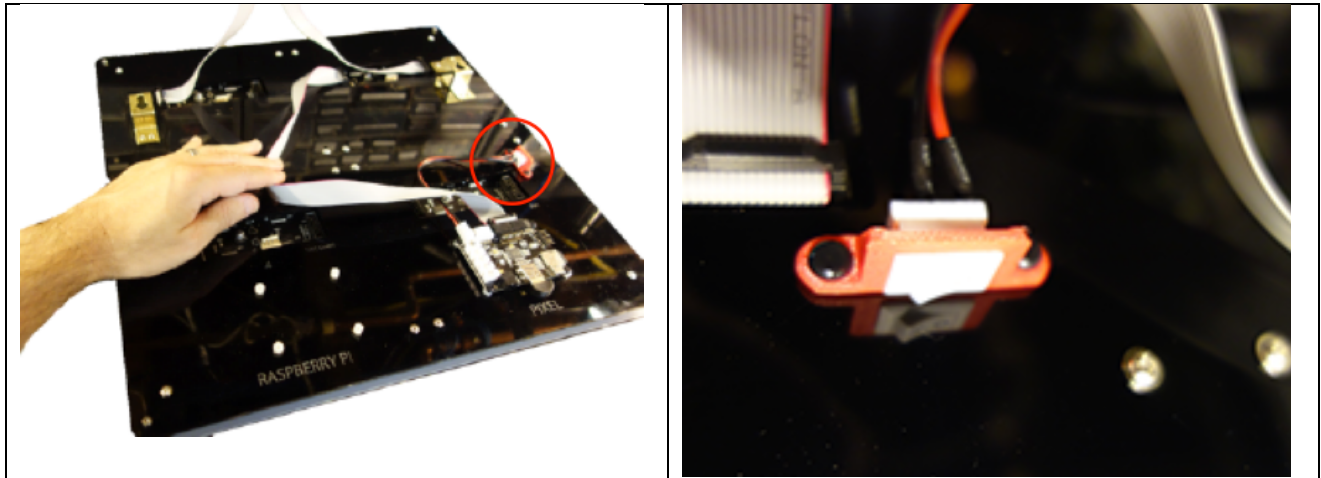
Keep the plastic rivets together and then snap into place when mounting



It's optional to use the white spacers beneath the PIXEL board

Step #3: Mount On/Off Switch

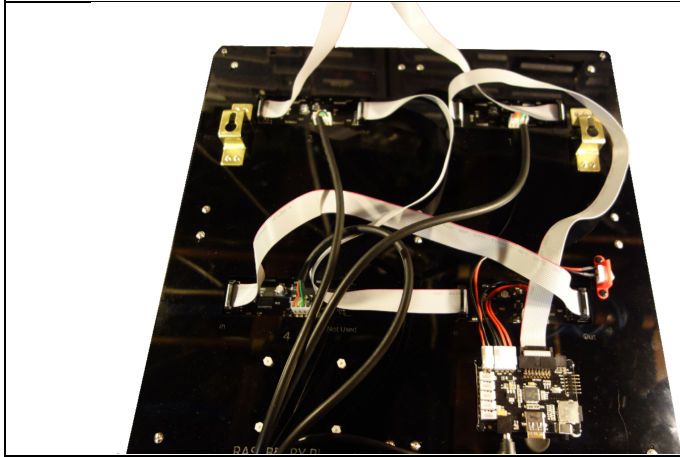
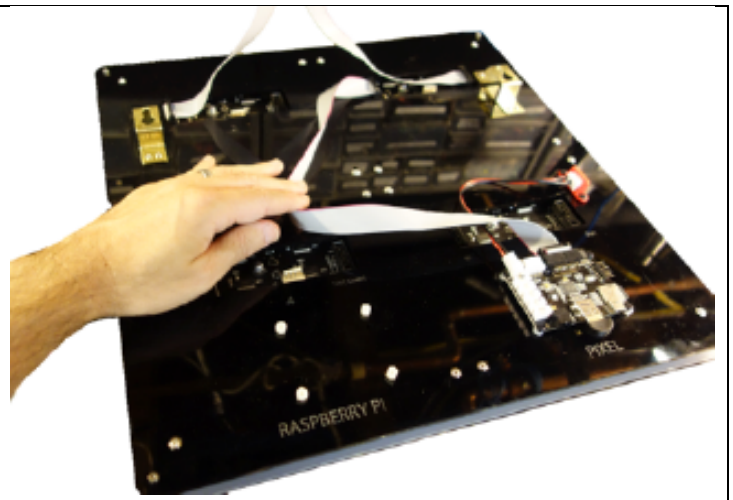
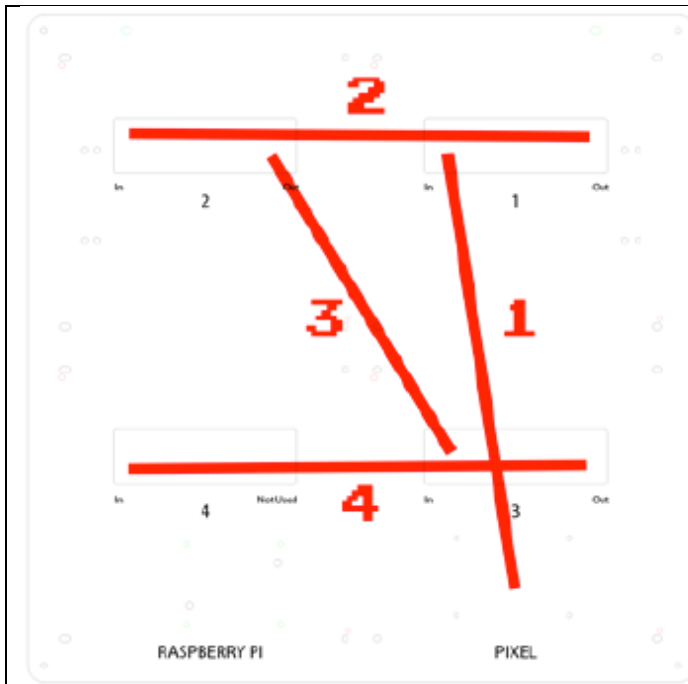
Use the two remaining plastic rivets to mount the on/off switch



Attach the on/off switch cable to the PIXEL board. Note that all cables have a notch and will only connect the correct way.

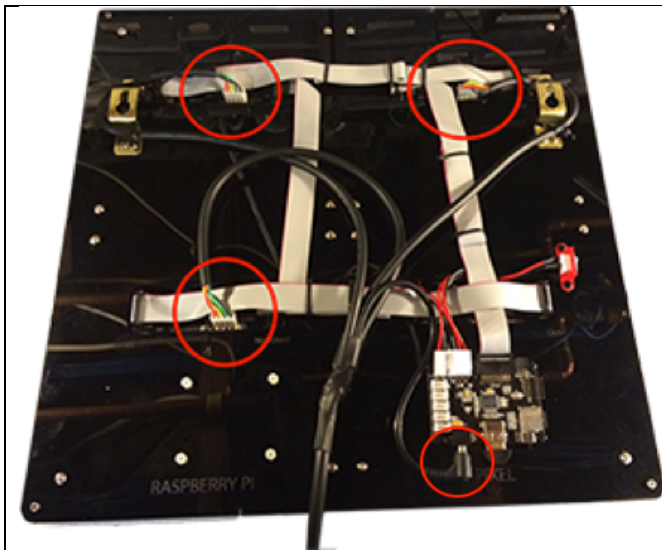
Step #4: Plug in Ribbon Cables

Plug in the four ribbon cables in the order below. Note the ribbon cables have a notch and will only fit one way.

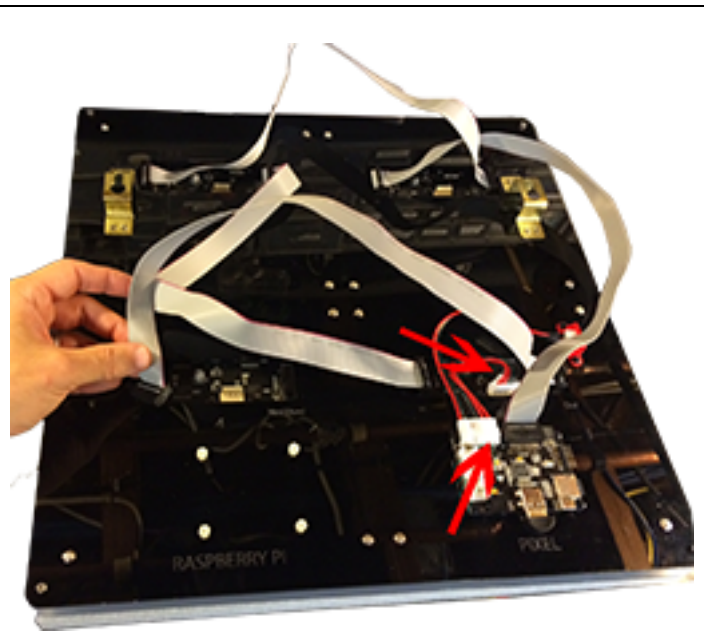


Leave the ribbon cables as is for now. You'll use the tie wraps for a neater installation at the end.

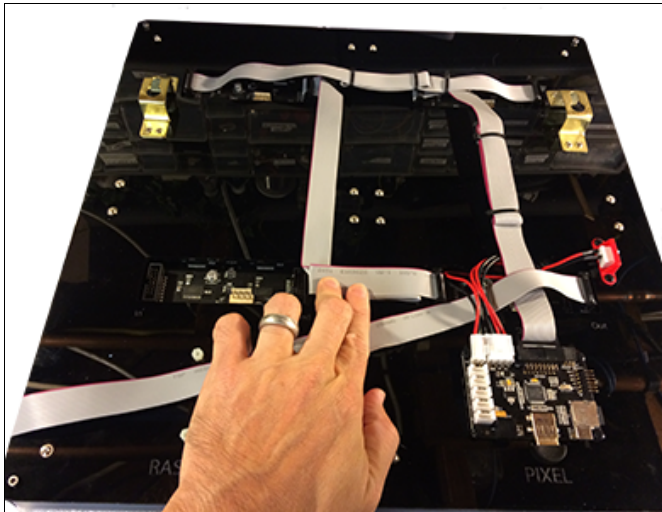
Step #5: Plug in Power Cables



Plug in power cable to the connections as shown above, positions 1,2, and 4, and plug in the barrel jack to the PIXEL board.



Plug in the single power cable (4-pin) from the PIXEL board to the position labeled 3.

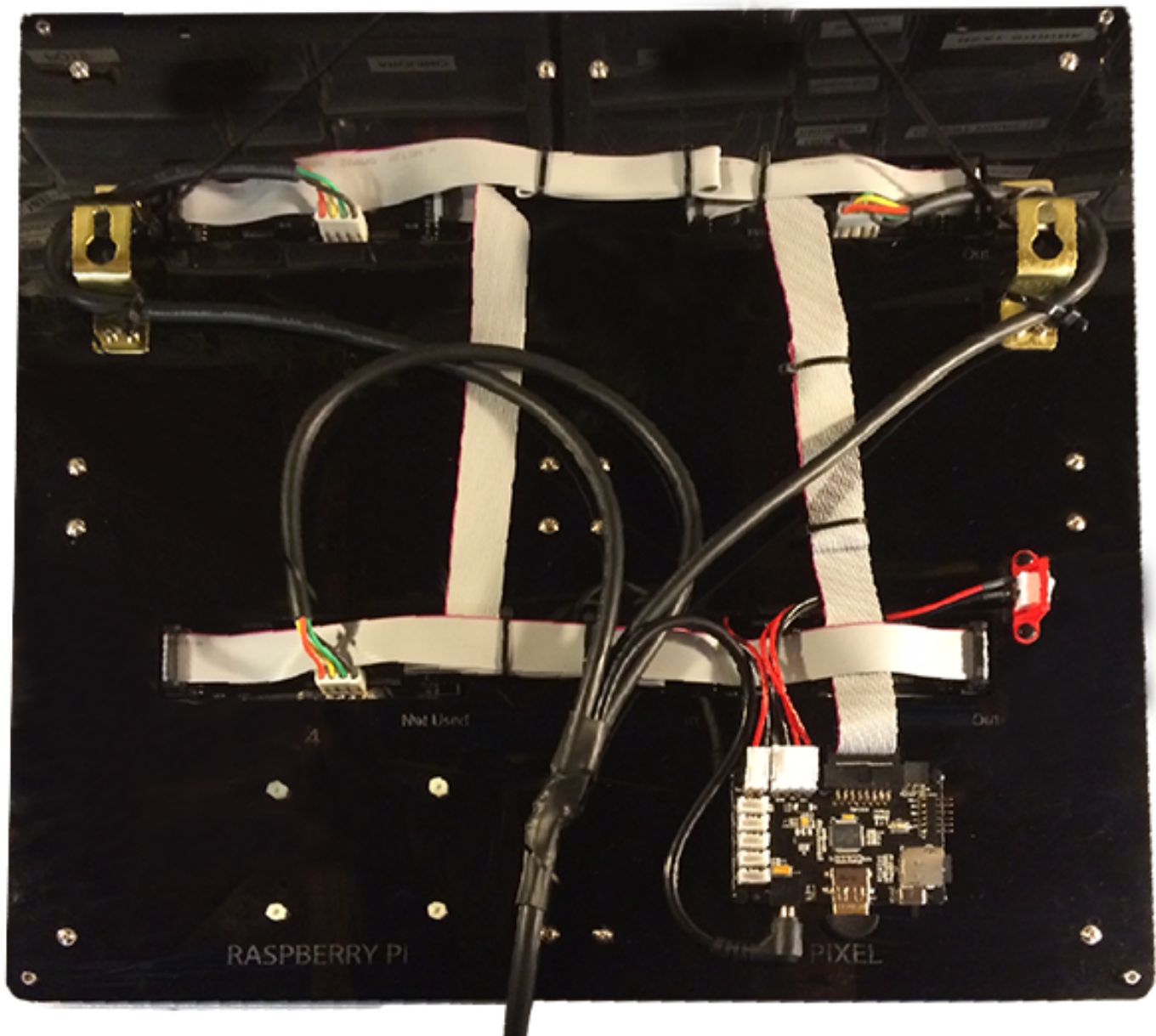


Fold the ribbon cables for a neater look and use the tie wraps.



Optional: Wrap the power cable around the mounting brackets and tie wrap for a cleaner installation.

Finished Installation



You're all done! Remove the paper on the front of PIXEL and plug in the power cable to the power supply and turn on.

PIXEL's apps for Android, PC Windows, Mac, Linux, Raspberry Pi/BeagleBone Black are at <http://ledpixelart.com/apps>

IMPORTANT: Upon first launching PIXEL's app, go to the app's settings and change the LED panel type from 32x32 to 64x64 SUPER PIXEL. This must be done once per each PIXEL app.

If using Bluetooth from your Android or Windows PC, Bluetooth pair to PIXEL using code: 0000 before launching the apps.

Bluetooth is not supported on Mac, Linux, and Raspberry Pi/BeagleBone Black and instead you'll USB connect using the included USB A-A cable.

Note that there will be some lag in the animations on SUPER PIXEL when streaming over Bluetooth. However, once you write an animation (long tap from the Android app or double clicking from the PC/Mac app), the animation will run at normal speed. Once your device has been disconnected from PIXEL, the last item written will continue to loop while PIXEL is in “stand-alone mode”.

If using USB, you must move the toggle switch to the “Device” position. And then if you later go back to Bluetooth, don’t forget to move the toggle switch back to the “Host” position.

If using a Raspberry Pi, you may mount your Raspberry Pi on the back side, lower left using the pre-installed mounts. The Raspberry Pi will require separate power. Connect the Raspberry Pi to the PIXEL board using the USB A-A cable and move the toggle switch to the “Device” position. Refer to the Raspberry Pi setup instructions <http://ledpixelart.com/raspberry-pi/>. Note that if using a Raspberry Pi B+, you’ll need to slightly enlarge the 4 mounting holes for the mounting screw to fit.

More info at <http://ledpixelart.com>