



### Getting Started:

1. Connect the Power Adapter to the Power Input hole, and plug in to an electrical outlet. The Screen will show "Scribbler", then "Welcome", then the last type of filament used and the target temperature.

**IMPORTANT: DO NOT LOAD FILAMENT YET!**

- Using the Speed Controller/Mode Switcher button, select the type of filament (PLA or ABS) by pressing both of these buttons at the same time.
- Press the Filament Feeding button once to begin heating. The Scribbler Pen only takes seconds to heat.

### Loading the Filament

- Once your pen is heated to the correct temperature, insert the filament into the Loading Hole at the back of the pen. Press and hold the Filament Loading button. The filament will load using a built in motor. **DO NOT PUSH.**
- Release the button when the filament extrudes from the nozzle tip. Be careful not to touch the hot nozzle tip.

### Drawing:

- To draw, press and hold the Filament Feeding button. To stop, release the button
- If you stop moving the pen for 90 seconds or longer, it goes into dormant mode. To restart, press the Filament Feeding button and the pen will quickly reheat.
- Only use the pen for a **maximum of 30 minutes** at a time. After 30 minutes, unplug and allow to cool. **WARNING: Overheating the pen can permanently damage it.**

### Adjusting the Speed:

The speed at which the filament is dispensed is adjustable by using the Speed Controller/Mode Switcher button. 1 is the slowest speed, 6 is the fastest.

### Changing the Filament:

Want to use a different colour? Start by cutting the filament from the back end of the pen using scissors. Press and hold the Filament Unloading button to dispense the remainder of the filament still inside the pen. Then follow steps 2-5 with the new colour of filament.

### WHEN YOU ARE FINISHED USING THE PEN:

**IMPORTANT: Unload the filament when the pen is not in use.** Start by cutting the filament from the back end of the pen using scissors. Press and hold the Filament Unloading button to dispense the remainder of the filament still inside the pen. Unplug the pen and wait for it to cool before storing.

#### Temperature Troubleshooting

##### Indications the temperature may be too high:

- You hear a crackling sound coming from the tip
- The output filament is too soft or even a liquid
- Many bubbles come out

##### Indications the temperature may be too low:

- The output filament colour looks dim or dark
- The motor sounds strained

**WARNING: IF THE PEN BEGINS TO FEEL NOTICEABLY WARM, UNPLUG THE PEN AND ALLOW IT TO COOL! OVERHEATING CAN DAMAGE THE PEN.**

**IF YOU ENCOUNTER ANY PROBLEMS WITH THE PEN  
(LIKE THE FILAMENT WON'T COME OUT, OR  
MOTOR MAKES GRINDING SOUND)  
PLEASE DO NOT ATTEMPT TO FIX THE ISSUE YOURSELF.  
PLEASE RETURN THE PEN TO THE LIBRARY IMMEDIATELY.**