

Lithophane Portable Frame Installation Guide

Step 1: Preparation

1. Prepare the Lithophane LED Backlight Board Kit according to the size of the printed frame.



Figure 1

Step 2: Connect the LED Backlight Boards

1. Flip the LED backlight boards to the back and arrange them neatly in order, ensuring the protruding side of the PH2.0 Power Connection Cable interface is facing up, then connect the boards. (As shown in Figure 5)
2. **Note:**
 - a. Make My Lithophane supports three frame sizes, composed of 2, 3, or 4 boards. Each board has two parallel power sockets, functioning as both input and output ports. Ensure all boards are connected and one board is linked to the USB power cable. Adjust the connection method as needed (refer to the recommended connection methods in Figure 6).
 - b. The two ends of the PH2.0 Power Connection Cable are identical and can be used interchangeably in any port.
 - c. Do not connect the USB power cable to the LED backlight board at this step.

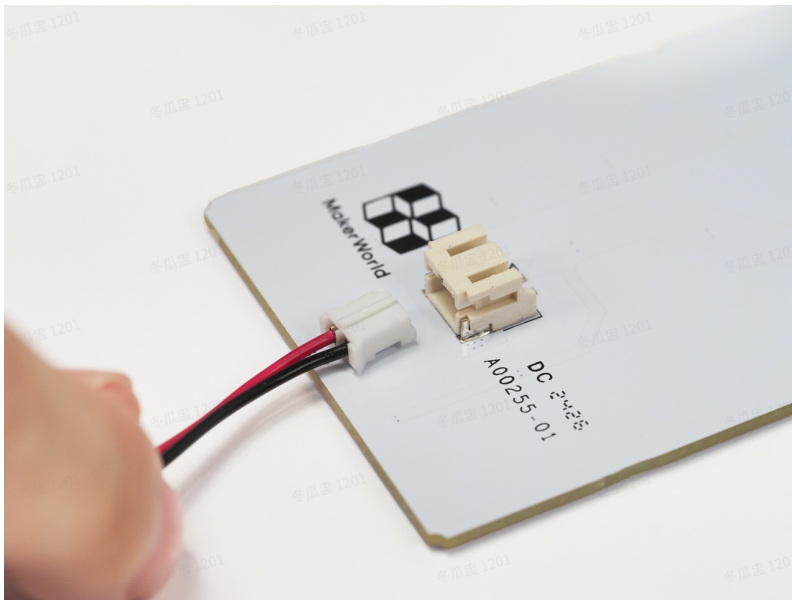


Figure 2

Step 3: Connect the Power Cable

1. Connect the battery case, Y type conversion wire, adapter board and ph2.0 connection wire. (As shown in Figure 3) Note that the small port of the black wire of the Y-connection cable connects to the knob potentiometer, and the port of the red and black wires connects to the adapter board.

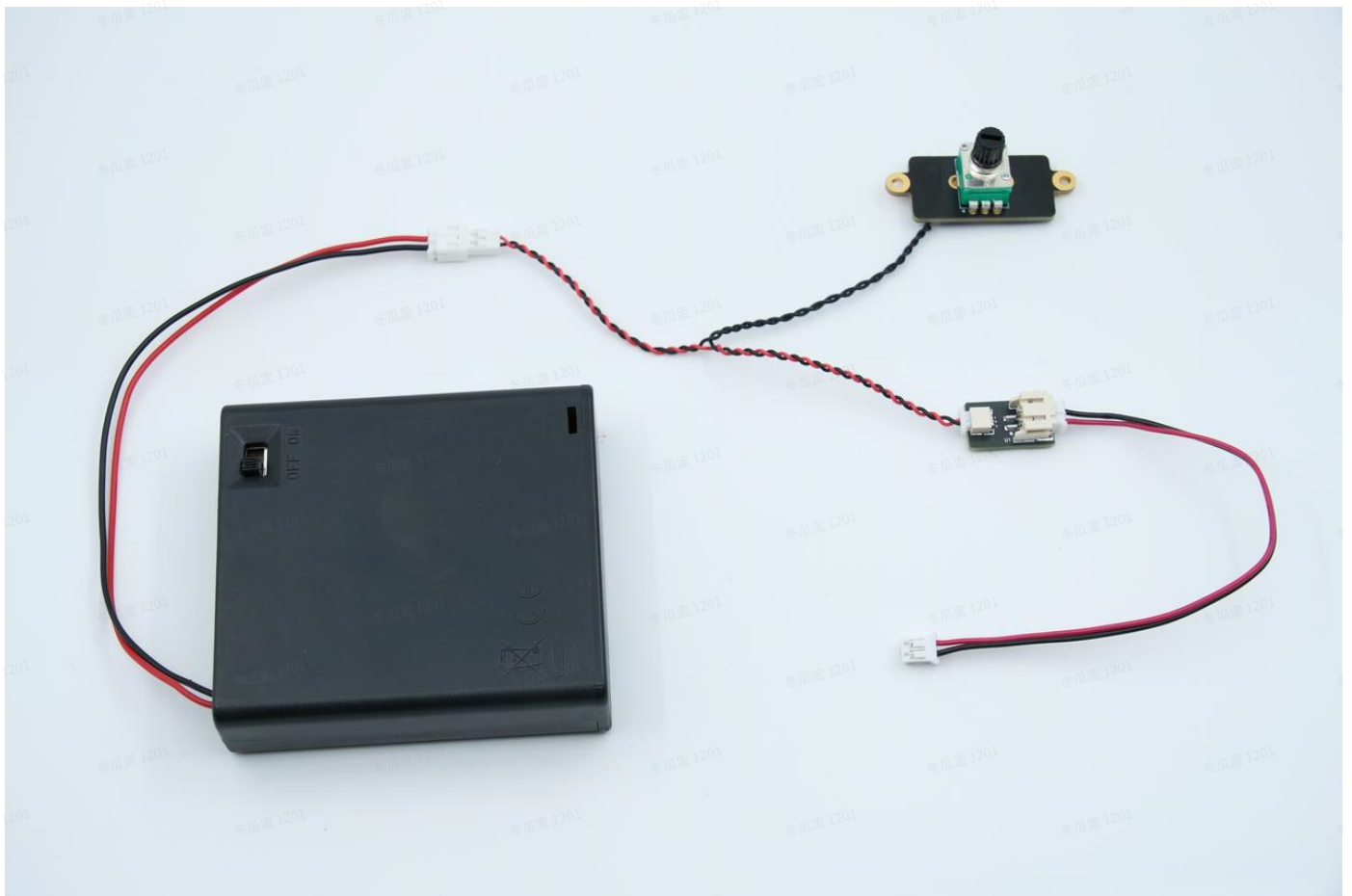


Figure 3

Step 4: Connect the Power Cable

1. Pass the components through the battery case compartment slot and insert the battery case into the battery case compartment. Note that the battery compartment switch faces the back and the power cord faces in.
2. Use BT2x5 screws to install the knob potentiometer as shown with the wire in the slot.
3. Connect the end of the PH2.0 cable to the LED board.
4. Install the knob cap to the potentiometer knob.

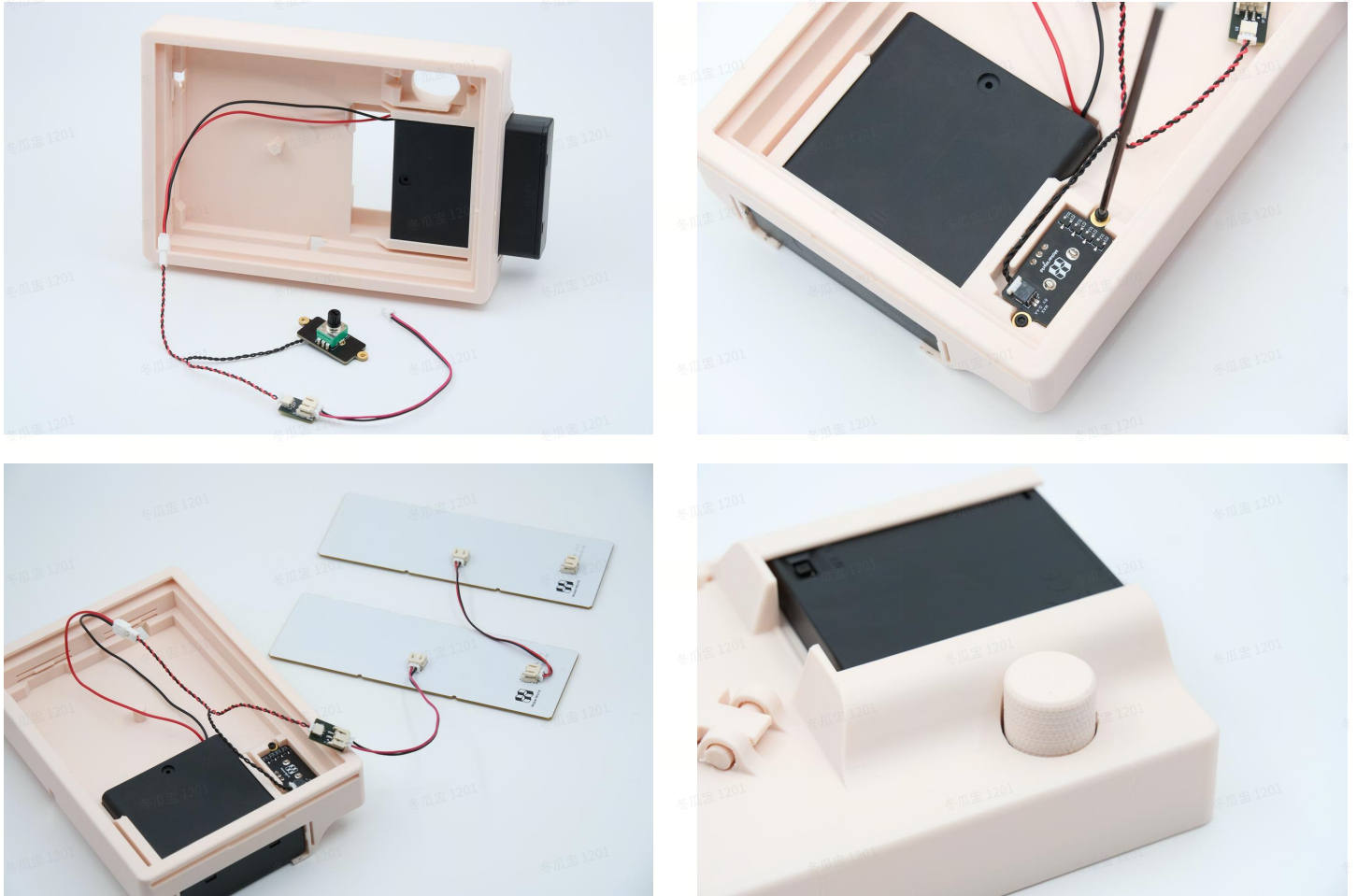


Figure 4

Step 5: Secure the LED Backlight Boards

1. Adjust the position of the connection cables at the bottom of the LED backlight boards to ensure they lay flat.
2. Clip the LED backlight boards under the small clips inside the frame edges and lay them flat in the frame. (As shown in Figure 8)
3. **Note**
 - a. If the boards do not lay flat, check if the internal supports of the frame are completely removed or if the connection cables are neatly placed.



Figure 5

Step 6: Install the Lithophane

1. Gently open the frame's insertion slot and insert the printed lithophane into the frame. (As shown in Figure 6&7)



Figure 6



Figure 7

Step 7: Power Up

1. Install the batteries and turn on the battery box switch. Rotate the potentiometer knob to adjust the brightness. (As shown in Figure 8)

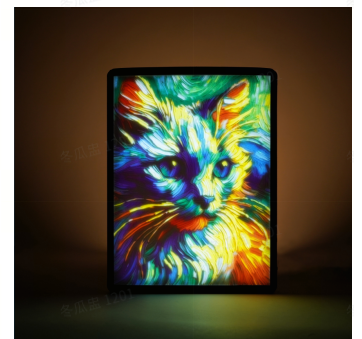


Figure 8

Installing and Replacing the Battery

1. Push out the battery case from the end, use a screwdriver to assist if needed.
2. Open the battery case cover and install four AA batteries.
3. Close the battery cover and push it back.

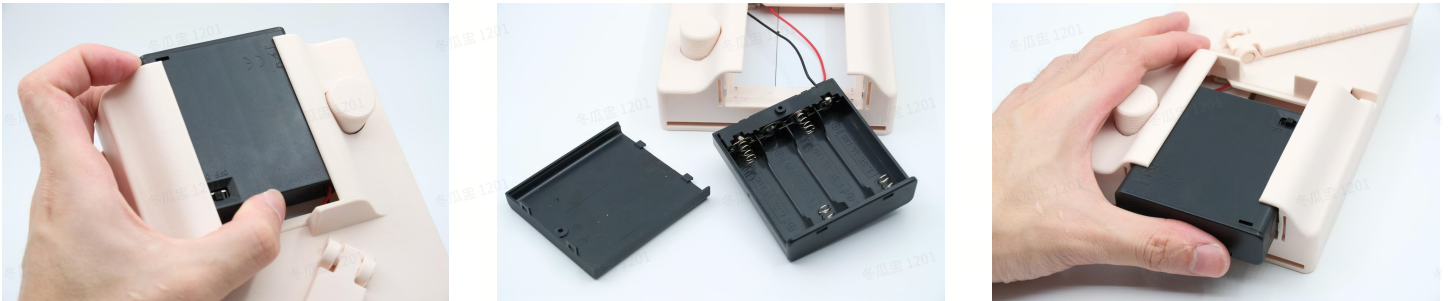


Figure 9

Remove the light board

Press down on one side of the snap and use a screwdriver to pry the light panel out through the gap.

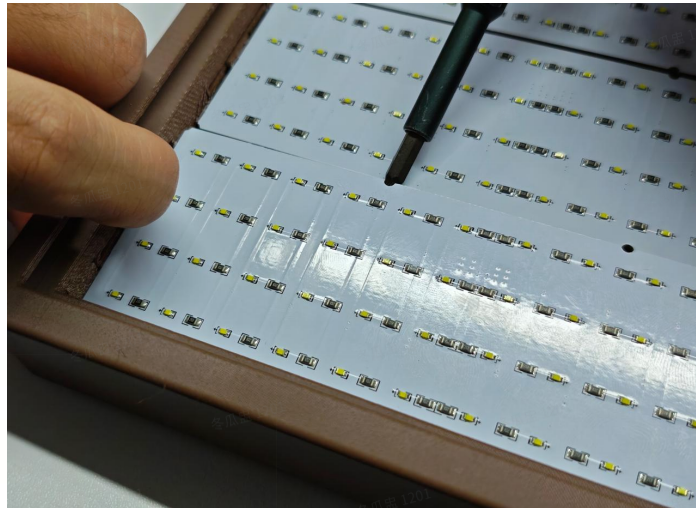


Figure 10

To use USB power supply

If you need to change from battery case power supply to USB cable power supply, the frame retains the mounting holes for the USB power cable, please refer to [Lithophane_Installation_Guide_V2](#).