

# ElecLab

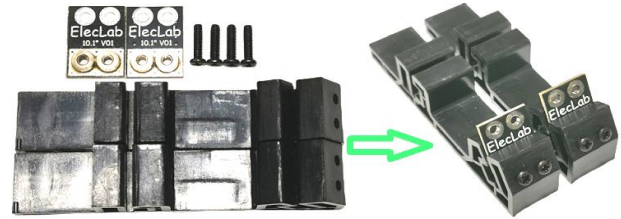
## 7" HDMI Touchscreen Display USER GUIDE



Users need to prepare a RPI , a TF card above 8G, a power supply above 4A@5V, and a Buster or Bullseye system image.  
Any suggestions, Please contact ElecLab\_US@163.com

### Quick To Use

1. Use four M2.5x10 screws and PCB to assemble the 2 brackets.



2. Install the 2 brackets onto the screw posts on the back of the display and secure with M2.5x4 screws..

3. Fix the RPI to the display with four M2.5x5 screws.

4. Use the XH2.54 3P PWR PCB, HDMI PCB, USB Board to connect RPI to the display.

6. Insert a power supply above 5V4A into a type-c socket Or 5V DC5.5x2.1 socket.

7. Press the UP/DOWN button to adjust the volume, and press the CH button to exit the adjustment.

8. Adjust brightness:

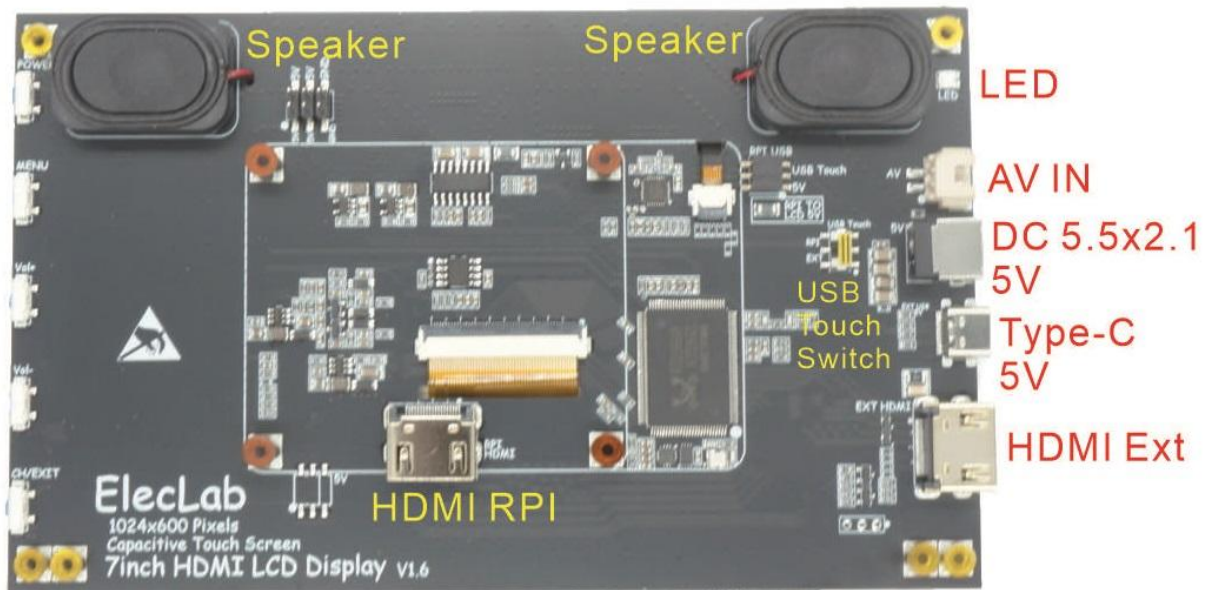
MENU->MENU->UP->MENU->UP/DOWN->CH->CH->CH

9. Press the CH button to select 3 signal sources:

HDMI Ext->HDMI RPI->AV1

10. Confirm the USB switch is in the RPI position.

### Function introduction



### Detailed installation steps (RPI 4 as an example)

1. Prepare the following three components:

XH2.54 3P PCB -> Display power supply to raspberry  
PRI4/5 Micro HDMI PCB -> RPI HDMI output to display  
PRI4 USB board -> Connect touch screen to RPI



2. The RPI is fixed on the back of the display and then use them to connect the RPI to the display.



3. After burning Buster or Bullseye system into the TF card, edit the following in /boot/config.txt.

No changes are required if using bookworm.

`hdmi_force_hotplug=1`

`hdmi_group=2`

`hdmi_mode=87`

`hdmi_ignore_edid=0xa5000080`

`hdmi_cvt 1024 600 60 6 0 0 0`

`hdmi_drive=2`

4. Insert the TF card into the RPI, Install the bracket and insert the Type-C power cable to the display, And then start running.

5. The bracket has 2 installation methods: 60 degrees and 90 degrees.



### Connect Computer

Use an HDMI cable to connect the computer and the HDMI Ext socket of the display, press the CH button to switch the signal source, and observe the HDMI EXT character in the upper left corner of the display.

### Connect AV Signal

Plug the AV to XH2.54 cable into the AV XH2.54 socket of the display, and connect the AV plug to the device to be input, such as an AV electronic microscope.