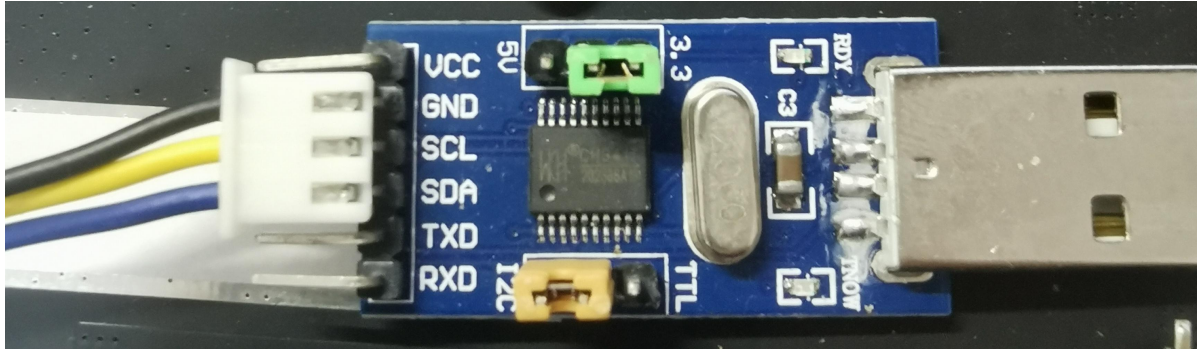


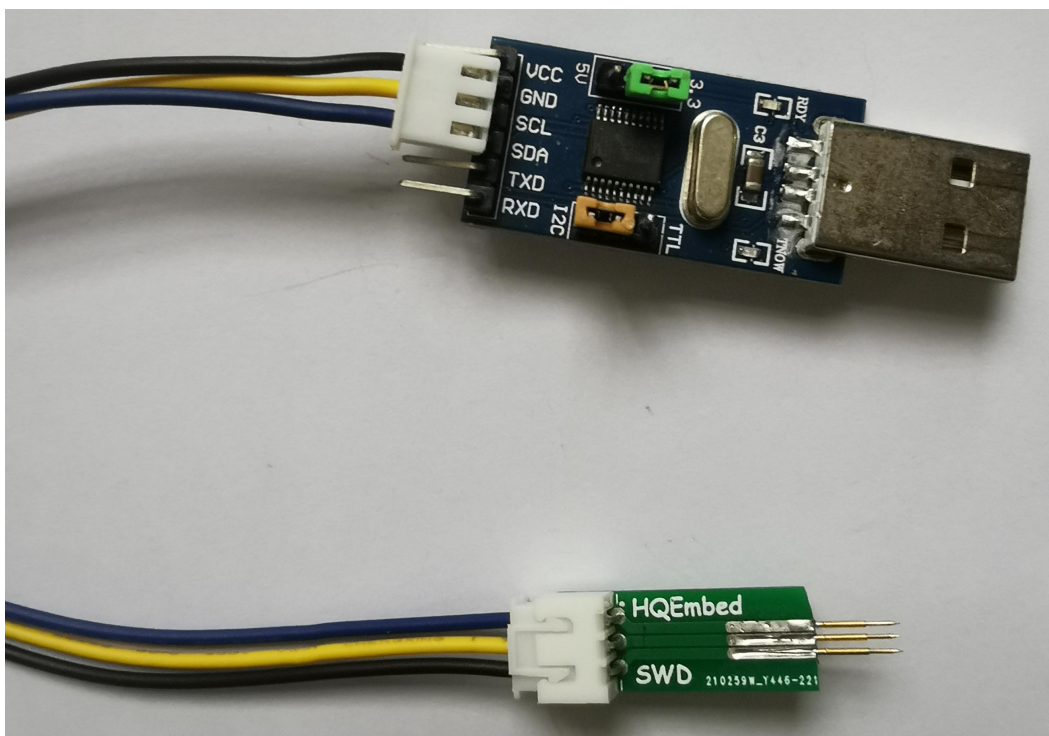
# ElecLab Display Firmware Update Guide

Items to prepare:

- Windows PC
- LT1605\_I2C2SPI\_V2\_100k.exe(From LT6911\_download\_tool.rar)
- USB to IIC board(CH341),For example:



- XH2.54 3P cable
- MX1.27 3P programming probe (can be made using MX1.27\_Probe\_3P\_Gerber file)



- ElecLab 7.84"/8.8"/10.1"/10.3" (LT6911C)HDMI display
- USB Type-c cable

## 1. Download the upgrade tools and firmware from github

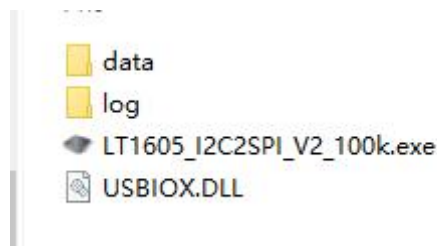
[https://github.com/eleclab-rpi/Display\\_Firmware/tree/main/HDMI\\_101\\_2560x1600](https://github.com/eleclab-rpi/Display_Firmware/tree/main/HDMI_101_2560x1600)

Display\_Firmware / HDMI\_101\_2560x1600 /

eleclab-rpi Create MX1.27\_Probe\_3P\_Gerber.rar

Name	Last commit message
..	
CH341_USB_IIC_Driver	add 10.1 2560x1600
LT6911_BH112HD_FL7707_COPY_MODE_RPI5_Bookworm.hex	add 8.8 10.1 11.26 inch firmware
LT6911_HSD088IPW1_COPY_MODE_RPI5_Bookworm.hex	add 8.8 10.1 11.26 inch firmware
LT6911_LQ101R1SX01A_RPI5_Bookworm.hex	add 8.8 10.1 11.26 inch firmware
LT6911_download_tool.rar	add 10.1 2560x1600
MX1.27_Probe_3P_Gerber.rar	Create MX1.27_Probe_3P_Gerber.rar

## 2. Unzip LT6911\_download\_tool.rar

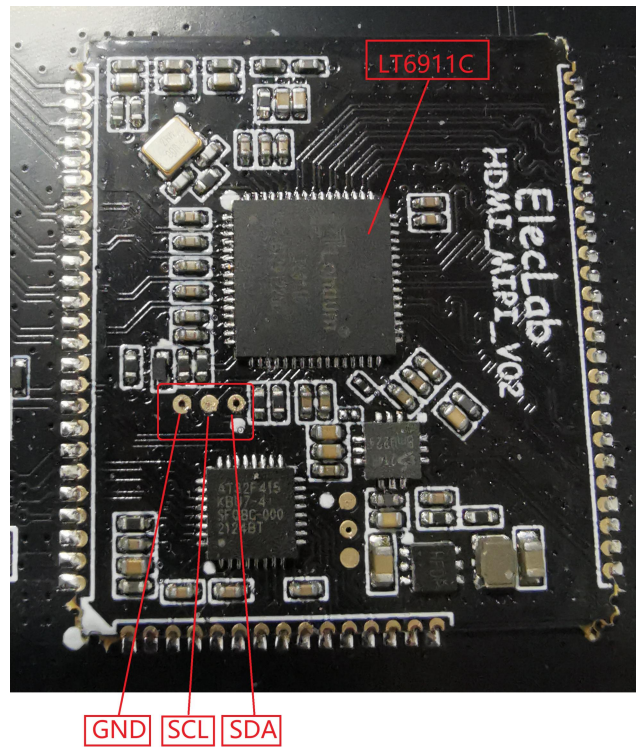


## 3. Install CH341 i2c\_driver.exe



## 4.Preparation

1. Power the display using the USB Type-c cable
2. Connect CH341 USB2IIC board to PC
3. Use a probe or directly solder a 3P cable to the 3P MX1.27 test point of the LT6911C.





5. Open LT1605\_I2C2SPI\_V2\_100k.exe on PC.

数据文件

烧写

读取

擦除

BLOCK擦除

数据文件: D:\LT6911\_0784\_400x1280\_BK\_ONLY2560x1600\Keil\_51\Objects\LT6911\_LQ101R1SX01A\_RPI5\_Bookworm.hex

参数配置

配置寄存器 0x 51

SPI\_LEN 15

烧写设置:

起始地址 0x 000000

读取设置:

起始地址 0x 000000

数据长度 256

擦除起始地址 0x 000000

数据显示

7D 3F 7F 0A 7E 90 12 2A FC 7F 0A 7E 00 12 2B 81  
7D BF 7F 0A 7E 90 02 2A FC 7D 01 7F 00 7E D8 12  
2A FC 1D 7F 5A 12 2A FC 7D 07 12 2A F7 E4 FD 0F  
12 2A FC 7D 07 0F 12 2A FC 0F 02 2A FC 7F C8 7E  
00 EF 1F AA 06 70 01 1E 4A 60 13 E4 FC FD C3 ED  
94 AF EC 94 00 50 EA 0D BD 00 01 0C 80 F0 22 05  
20 00 05 21 00 05 01 00 05 11 00 05 29 00 32 00  
00 29 10 00 16 05 00 00 29 10 07 07 05 00 00 FF  
FF 00 00 00 00 00 00 FF FF 00 00 00 00 00 00 FF  
FF 00 00 00 00 00 00 FF FF 00 00 00 00 EF 7F 14  
7E D1 60 08 12 2C 45 EF 54 F7 80 06 12 2C 45 EF  
44 08 FD 7F 14 12 2A FC 22 EF 7F 14 7E D1 60 08  
12 2C 45 EF 44 04 80 06 12 2C 45 EF 54 FE FD 7F  
14 12 2A FC 22 EF 7F 13 7E D1 60 08 12 2C 45 EF  
44 01 80 06 12 2C 45 EF 54 FE FD 7F 13 12 2A FC  
22 7D 01 7F 34 7E A0 12 2A FC 7F 0A 7E 00 12 2B  
81 7F B1 7F B8 8F 82 8E 83 E0 FF 22 7F 02 7E A0  
12 2C 45 EF 54 20 64 20 70 02 FF 22 7F 01 22 7D  
4F 7F 1F 7E 30 12 2A FC 7D 2E 7F 2E 02 2A FC 7D  
C0 7F 21 7E B9 02 2A FC

日志显示

打开文件..完成打开文件..完成  
配置寄存器..完成擦除FLASH数据..完成  
复位FIFO..完成配置寄存器..完成  
完成正在烧写FLASH数据..烧  
与11384字节,耗时3.33秒,  
烧写FLASH数据..完成复位  
FIFO..完成配置寄存器..完成  
读取11384字节,耗时4.53秒  
,读取FLASH数据..完成开始  
比对读写数据。烧写FLASH数  
据..成功。

清空

烧写FLASH数据..完成 I2C已连接 龙迅半导体(合肥)股份有限公司 Version 1.00

Select Firmware

Burning firmware

USB2IIC tool  
CH341 connected

Burning and verification  
successful