



### 1. Kit Contents

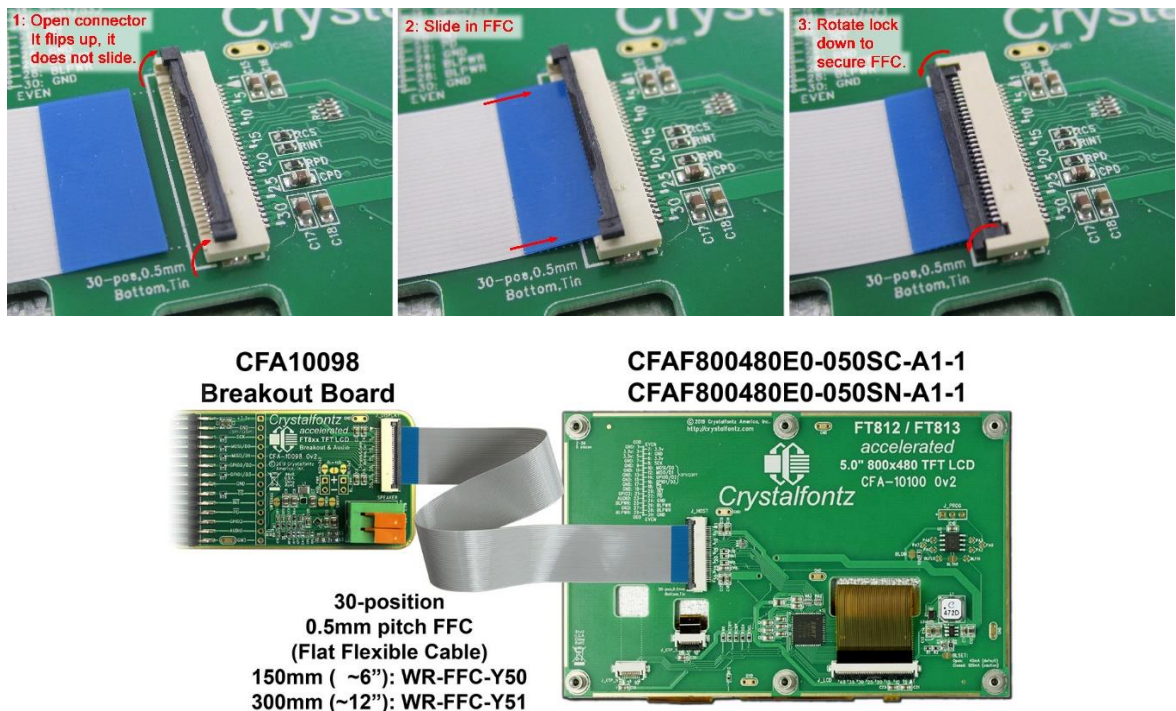
- 1x Crystallfontz CFAF800480E0-050SC display module
- 1x Crystallfontz CFA10098 Breakout & Audio board
- 1x Seeed Studio's Seeeduino development board (pre-programmed)
- 1x Crystallfontz WRFFCY50 flat flex cable
- 1x Crystallfontz WRUSB27 USB cable
- 9x Crystallfontz individual WRJMPY41 female-female jumper cables

*note: for this kit to operate a 3.3v 1-amp power supply is required (not included)*

### 2. Quick Start

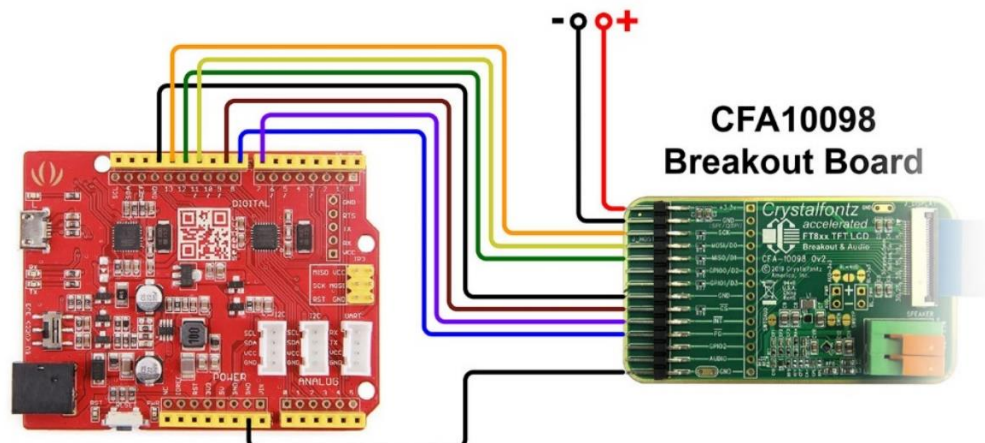
#### Step 1 -

Connect the CFAF800480E0-050SC display module to the CFA10098 Breakout & Audio board using the WRFFCY50 flat flex cable. See the image below for the cable orientation and steps required for connection. The blue cable end is faced upwards on both the display and breakout board.



#### Step 2 -

The Seeeduino is supplied pre-connected to the Breakout & Audio board using seven jumper cables (the red and black cables are left unconnected for the external 3.3v supply). If any of the 7 cables have accidentally become disconnected, reconnect as per the following diagram.



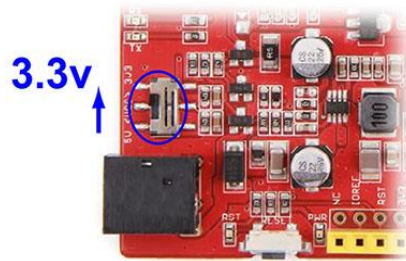


# Crystallfontz

## CFAF800480E0-050SC-A1-2 - Quick Start Guide

### Step 3 -

Make sure the voltage selection switch on the Seeeduino is set at 3.3V.



### Step 4 -

Connect the CFA10098 Breakout & Audio board to a 3.3v 1-amp power supply (not included in the kit) using the red and black jumper wires.

A bench power supply is perfect for supplying the 3.3v, but any other supply capable of providing clean 3.3v power at a minimum of 1-amp should work correctly.

*note: make sure the three boards are physically separated (not touching each other) before applying power. A short circuit between the boards may damage them.*

*note: do not attempt to use the Seeeduino's 3.3v regulator to supply the CFA10098. It is not able to supply the required current for the display backlight.*

### Step 5 -

Connect the Seeeduino to a 5V power supply using the included USB cable.

The 5V power supply can be a computer, bench supply, a plug-pack style power supply, or similar.

### Step 6 -

The display should now be lit, and displaying a blue touch calibration screen. Press the three calibration dots on the screen with your finger as instructed.

Once the calibration is completed, the display will proceed to show the demonstration program.

## 3. Further Information

See the Crystallfontz website for further information including full product datasheets and programming examples:

<https://www.crystallfontz.com/product/cfaf800480e0050sca12>

If you have any problems with this guide, or the hardware, please email us at:

[support@crystallfontz.com](mailto:support@crystallfontz.com)

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