## Arduino Official Robot/Esplora TFT LCD Information

Rotating the Display

<https://learn.adafruit.com/adafruit-gfx-graphics-library/rotating-the-display>

Arduino TFT Display and Font Library (General Information)

<https://www.instructables.com/id/Arduino-TFT-display-and-font-library/>

PJRC Adafruit ST7735 Color TFT Display Library (Used by the Official Robot and Esplora board)

<https://www.pjrc.com/teensy/td_libs_ST7735.html>

The official TFT board works without issues, the replacements/after market/3rd party boards

(some) have the red and blue switched.

Here is some information I found to fix that (In the library)

<http://cal-eng.com/?page_id=981> (This worked for me, but seems like a pain if you have good boards and 3rd party boards)

<https://forums.adafruit.com/viewtopic.php?f=47&t=36559> (This didn’t work for me)

I found another way to get this to work (with out making changes to the library)

By adding the following to the sketch in the void setup() function after the TFT.begin();, it will fix the red blue switch

TFT.initR(INITR\_BLACKTAB);

TFT.setRotation(1);

This appears to work (The colors still seem a little off) - My 3rd party TFT screen has a GREEN tab, but putting GREENTAB doesn’t seem to work, and may even cause problems.