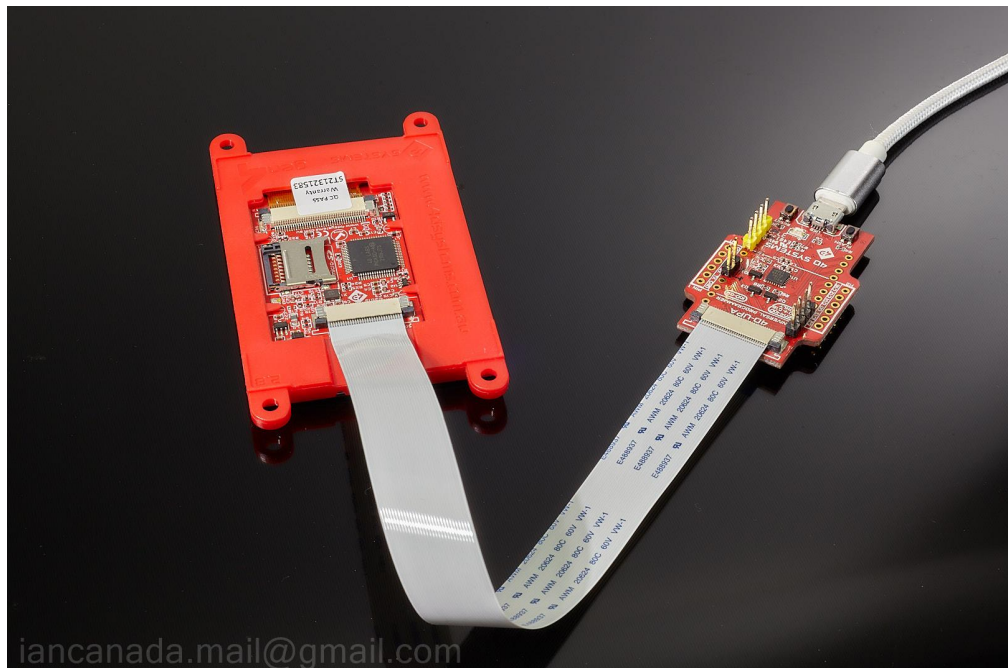


Open source StationPi Pro touch screen display/controller
Getting started
Ian Jin Apr.10,2022

1. Download and install Workshop4 IDE into your PC
<https://4dsystems.com.au/workshop4#downloads>
In case you don't have the 4D-UPA CP210x USB UART driver
<https://www.silabs.com/developers/usb-to-uart-bridge-vcp-drivers>
2. Make sure you have touch screen module GEN4-ULCD-28PT or GEN4-ULCD-28PT
<https://4dsystems.com.au/products/4d-intelligent-hmi-display-modules/gen4-hmi-display-modules/display-modules>

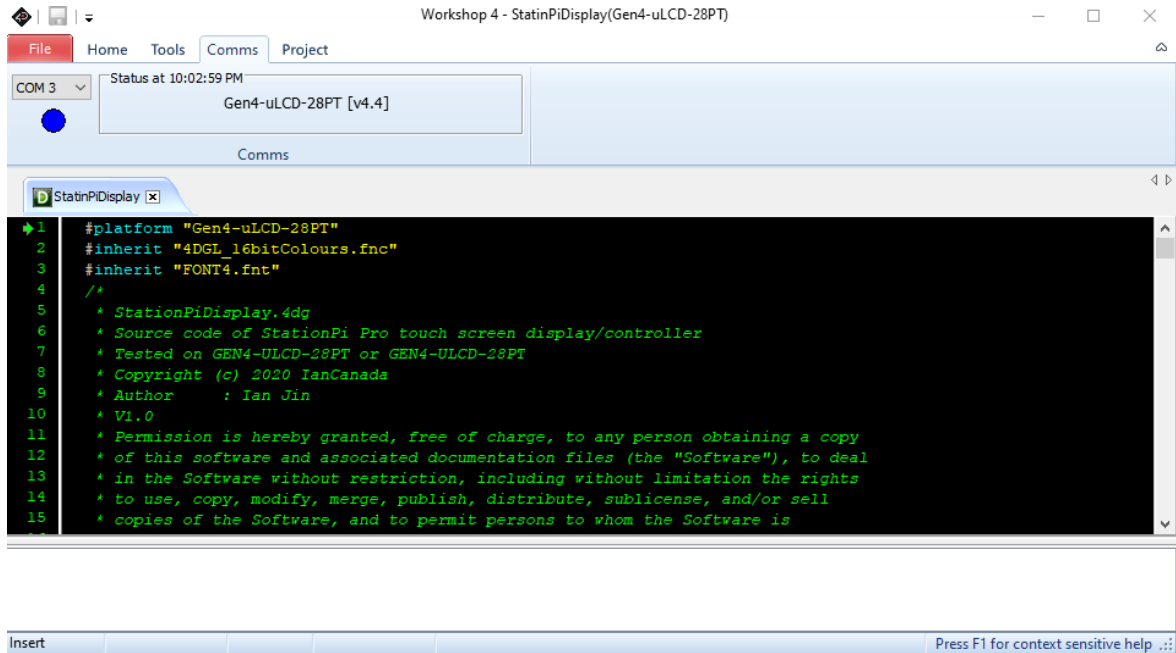
But if it's the first time using them, I would suggest ordering the starter kits
SK-GEN4-24PT or SK-GEN4-28PT because the 4D-UPA programmer will be included.
<https://4dsystems.com.au/products/4d-intelligent-hmi-display-modules/gen4-hmi-display-modules/starter-kits>

3. Download the open source StationPi Pro touch screen controller project source code StatinPiDisplay.4dg from gitHub:
<https://github.com/iancanada/DocumentDownload/tree/master/Adapters/StationPiPro>
Save the project source code into a folder, which can be named as "StationPiDisplay"
4. Connect the touch screen module to the 4D-UPA programmer through the FFC/FPC cable. Make sure the cable is in top contact and then lock both of the connectors. And then connect the 4D-UPA to your PC using a USB cable. Make sure the factory default screen is showing.

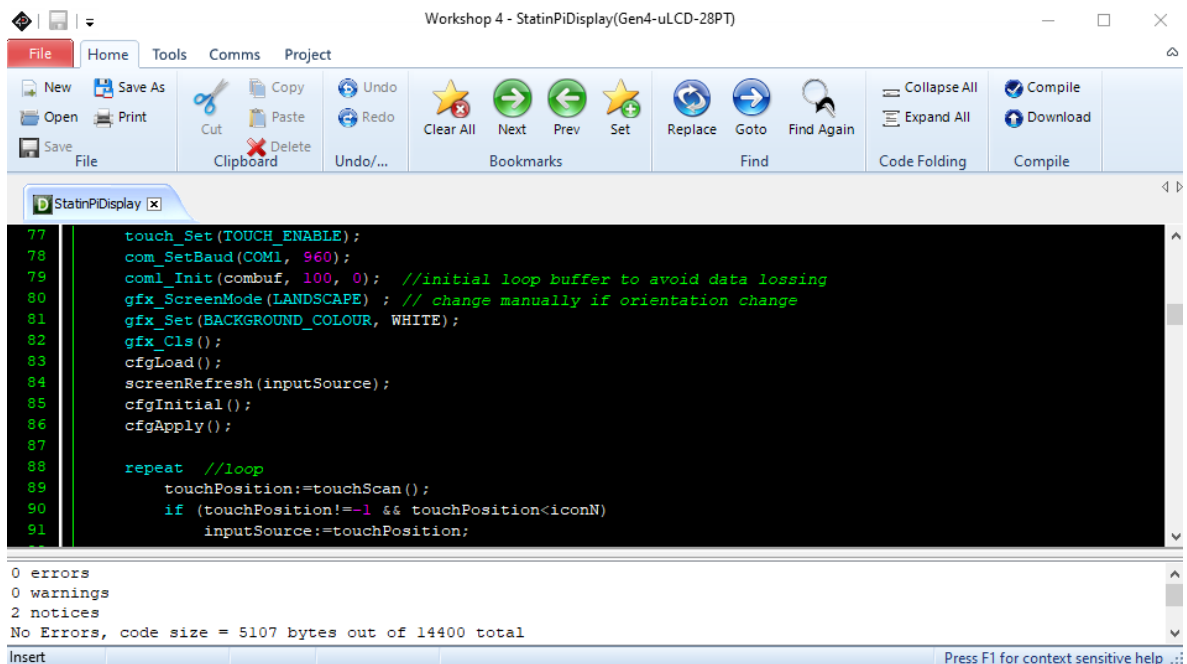


5. Make sure the CP210x USB UART is recognized by the system and works properly. Double click the project file StatinPiDisplay.4dg. You will see the source code opened in the Workshop4 IDE.

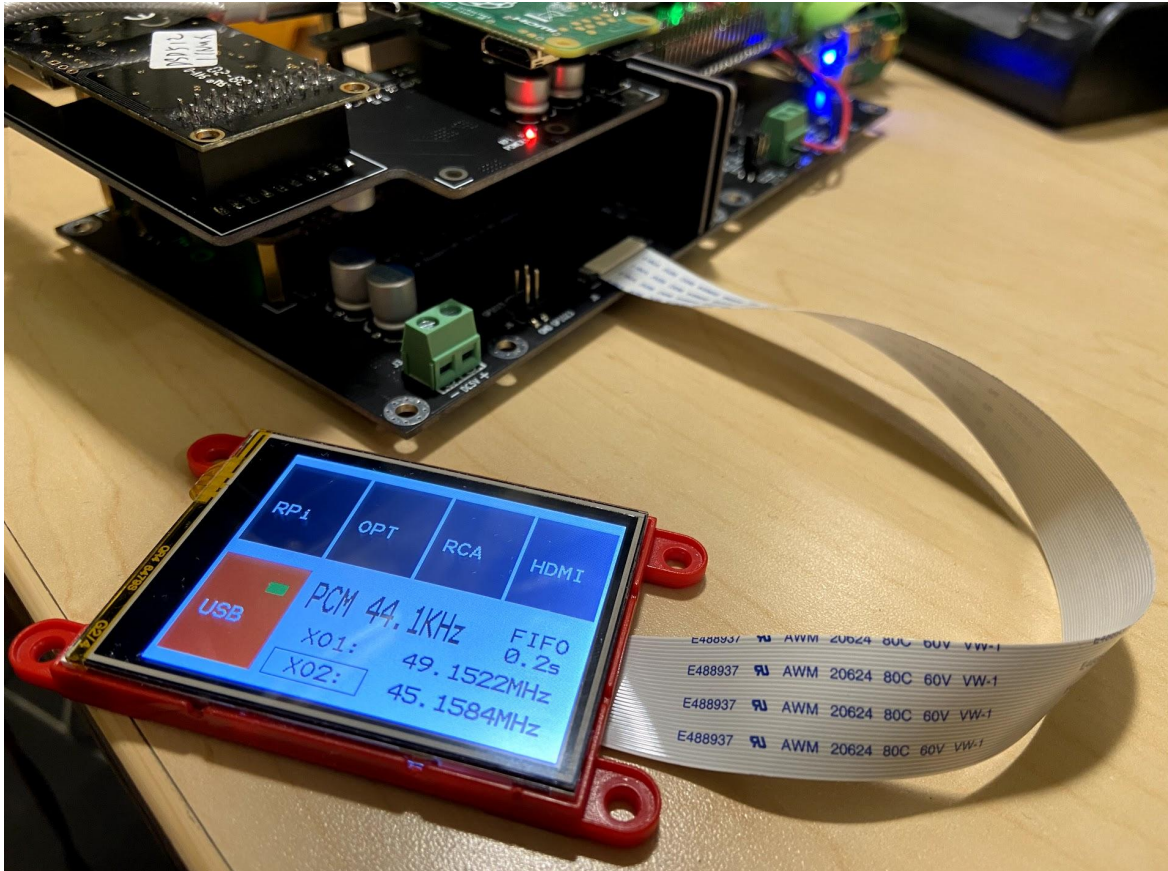
On the Comms page, select the corresponding com port of the 4D-UPA programmer, then you will see the status of the touch screen module.



6. On the home page, click the Comp'nLoad, the source code will be compiled and downloaded to the touch screen module. Then the SationPi Pro control screen will be displayed and functioning.



7. Connect the touch screen module to the StationPi Pro. Turn the StationPi Pro power, it will be fully functional. Please be very careful of the FFC/FPC cable orientations. Both sides have to be in top contact. The FifoPi status can also be displayed on the screen if you have a FifoPi Q3 in the system and a control cable is connected between FifoPi Q3 and StationPi.



8. I don't responsible for supporting the 4D system's products. If you have any issue with programming and developing touch screen display modules, please ask the 4D system for help.

Some useful links:

<https://4dsystems.com.au/workshop4>

<https://4dsystems.com.au/products/4d-intelligent-hmi-display-modules/gen4-hmi-display-modules/starter-kits/sk-gen4-24pt>

<https://4dsystems.com.au/products/4d-intelligent-hmi-display-modules/gen4-hmi-display-modules/starter-kits/sk-gen4-28pt>

<https://4dsystems.com.au/products/4d-intelligent-hmi-display-modules/gen4-hmi-display-modules/development-tools/4d-upa>

<https://4dsystems.com.au/mwdownloads/download/link/id/17/>