

FCSCC Timing Van Electronics – August 2018

The electronics used inside the van are stored in a large blue plastic box that is stored under the bench in the van.



You will need the following from the Blue Box

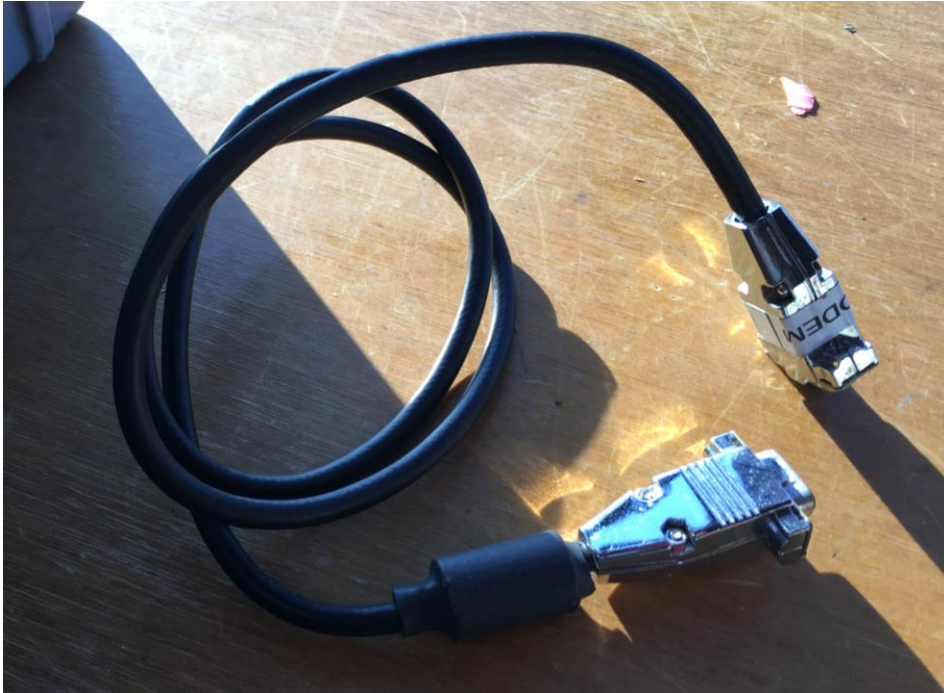
- 1) Timing Electronics Box with the big black power supply and cables that are attached to it.



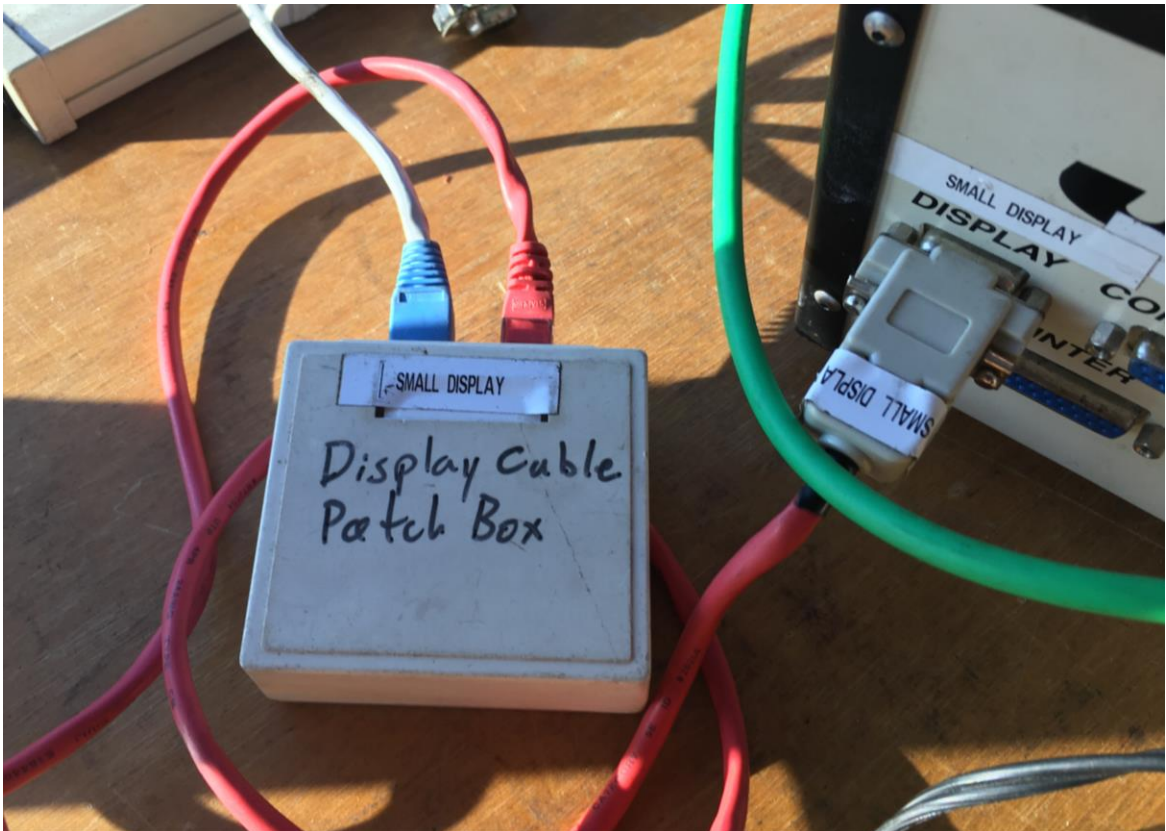
- 2) Verizon Wireless hotspot so Live timing can be published to the FCSCC website. Don't forget the white charging cord and cable.



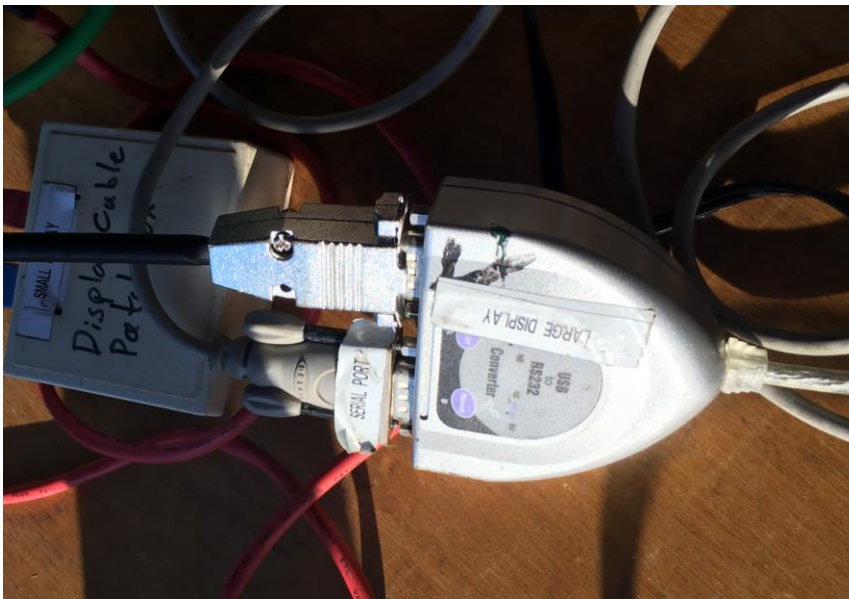
- 3) Crossover cable for large sign when doing fun runs.



- 4) White box for connecting small sign to timing box(should be attached to timing box)



- 5) There is also a USB hub that goes between the laptop, printer, mouse, and serial port adapter for the large display



You will also need the printer which is stored in the bottom draw of the tall file cabinet across from the bench. The printer has its power supply attached to it and its USB cord as well.



There is a orange extension cord that usually sits ontop of the APC UPS on the bench in the van. That needs to be passed out the little window and plugged into the generator.

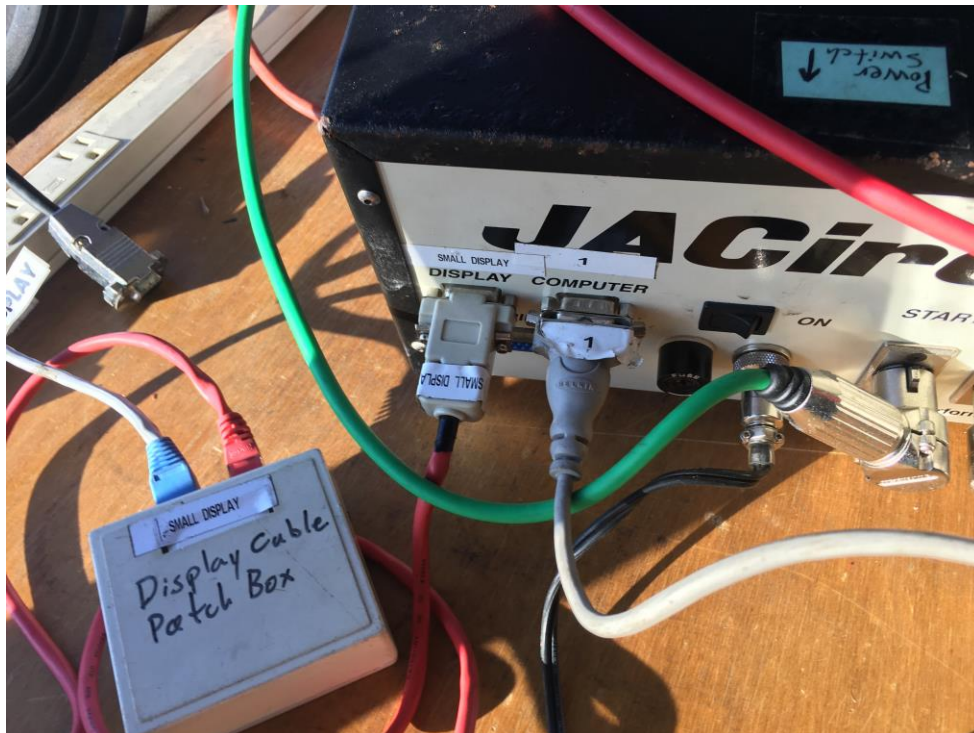
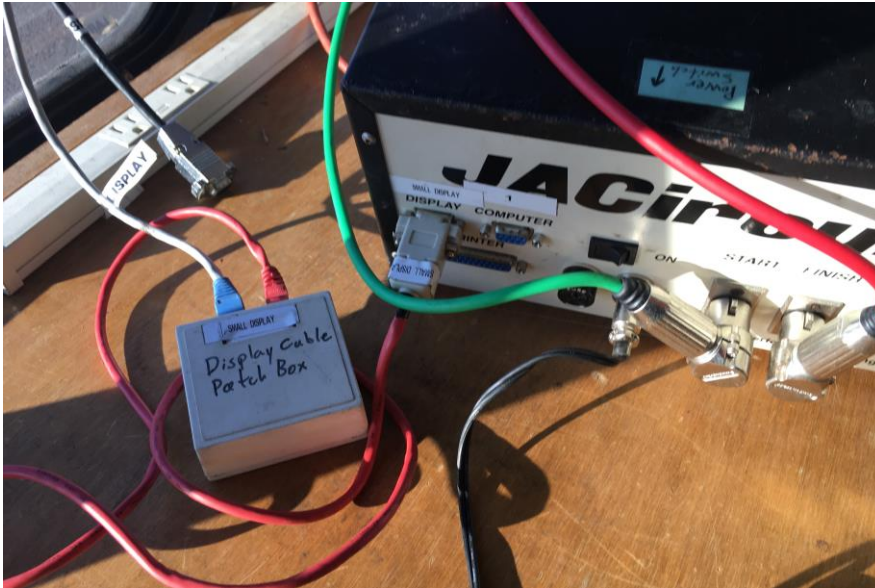
The Timing box plugs into the UPS on the side that says battery backup.

The Wireless hot spot also plugs into the UPS on the side that says battery backup.

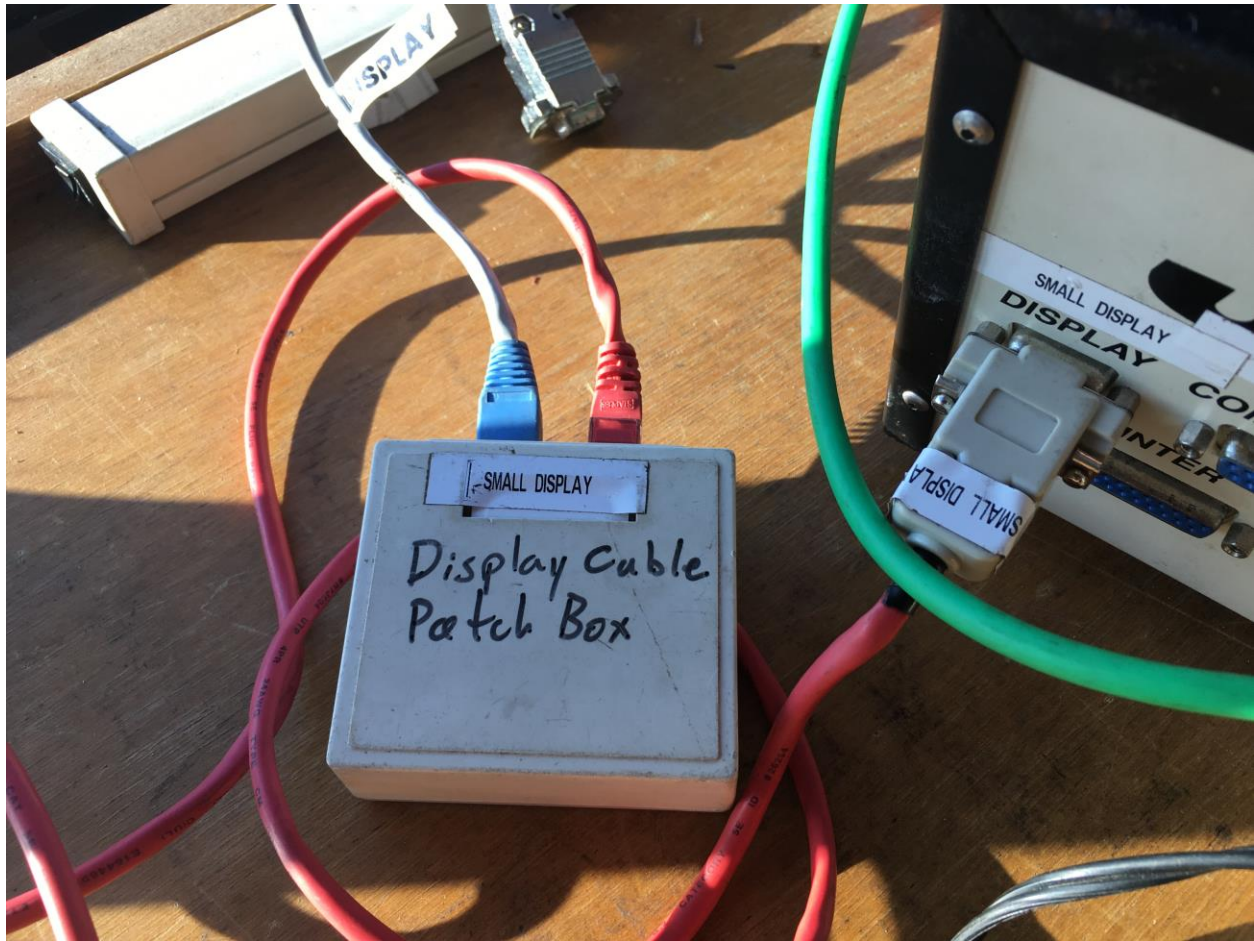
The printer and the laptops plug into the power strip that goes across the back of the benchtop.

The back of the Timing Electronics box has connections for

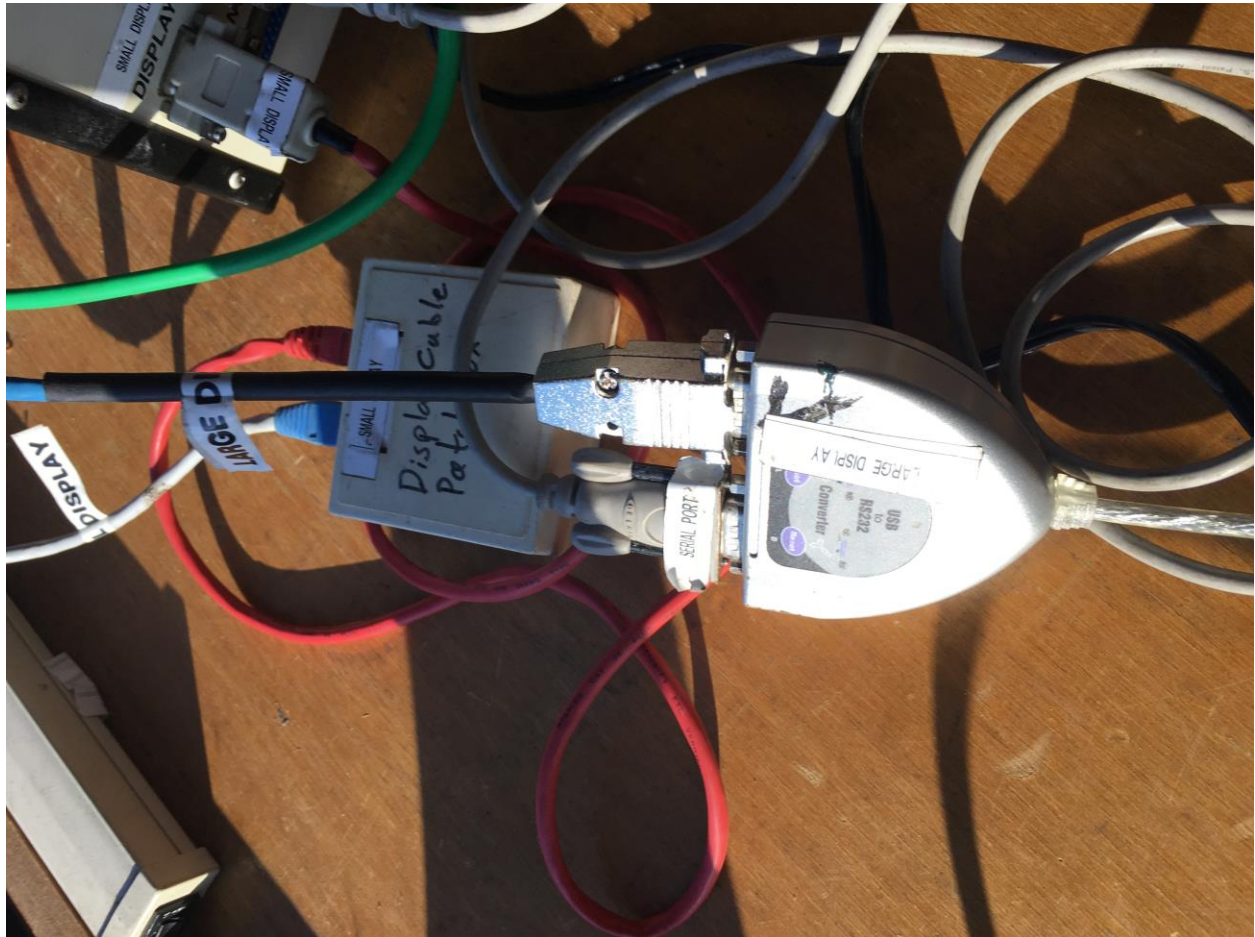
- 1) Power – large black power supply
- 2) Start and stop signals – red and green cables with three pin XLR connectors
- 3) Small Display – DB9 connector
- 4) 1 – Computer DB9 connector
 - a. Goes to the USB to Serial port adapter during timed runs
 - b. Gets the Crossover cable when doing fun runs.
- 5) The On off switch for the box is also located on the back.



When the small sign cable gets fed into the van it is a Ethernet style connector that goes into the Display Cable Patch Box. The red cable goes to a DB9 connector that says Small Display.



The Large display cable that comes into the van has a silver DB9 cable and goes into the USB to Serial port adapter. The other DB9 cable then goes to the connector labeled 1 on the back of the Timing Electronics Box.



Once you turn on the timing box it will start beeping until the Timing Lights are lined up with the Reflector boxes. You may want to reset the box after aligning the lights.

Once everything is setup and powered on walk thru the start then stop beam and see that a time is displayed on the small sign. No data will show up on the large display until the laptop is up and running.