

Connected Component Workbench Task-based Quick Start

CN04 - Cabling the Micro800 to a PanelView Component Terminal and Testing PVc Application

LISTEN.
THINK.
SOLVE.®

 *Allen-Bradley • Rockwell Software*

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Hardware & Software Versions Used to Develop This Quick Start

CCW Release 1

Micro830 – 2080-LC30-16QWB

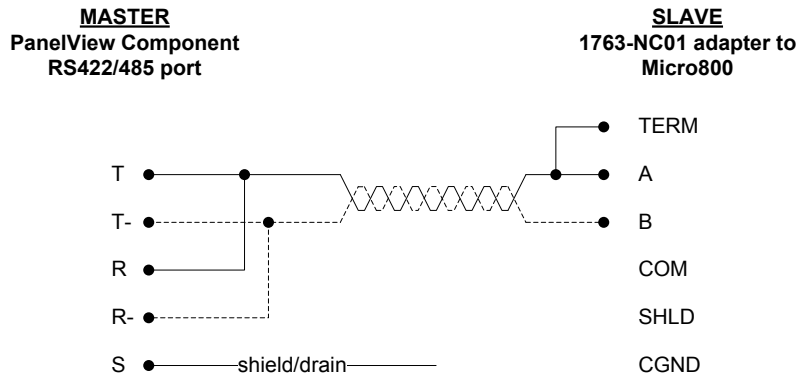
PanelView Component C600 – 2711C-T6T

Cabling the Micro800 to a PanelView Component

- For RS232 communications, you will need an 8-pin Mini-DIN to 9-pin D-shell null modem cable. See table below for recommended cables.

0.5 m (1.6 ft)	1761-CBL-AP00
2 m (6.6 ft)	1761-CBL-PM02
5 m (16.4 ft)	2711-CBL-PM05
10 m (32.8 ft)	2711-CBL-PM10

For RS485 communications, you will need to use a 1763-NC01 adapter, and wire the recommended twisted pair shielded cable as shown below. The recommended cable is Belden 3105A or equivalent (two-wire shielded twisted pair with drain). **Note:** Because both devices' serial ports are non-isolated, connect the shield/drain wire at one end only to prevent a ground loop.



There is no need for terminating resistors. The PanelView Component has an internal 121 ohm resistor across the R and R- terminals, and the Micro800 is terminated by jumpering TERM to A on the 1763-NC01 adapter.

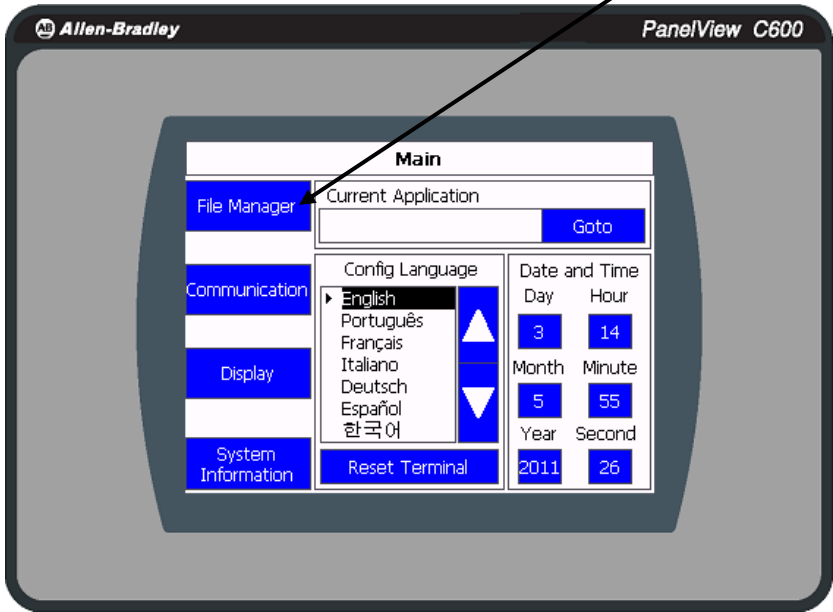
- Connect cables, and test the application.

RS232 - Connect the serial cable from the 8 pin Mini-DIN port on the Micro830 to the D-shell connector on the PanelView Component terminal.

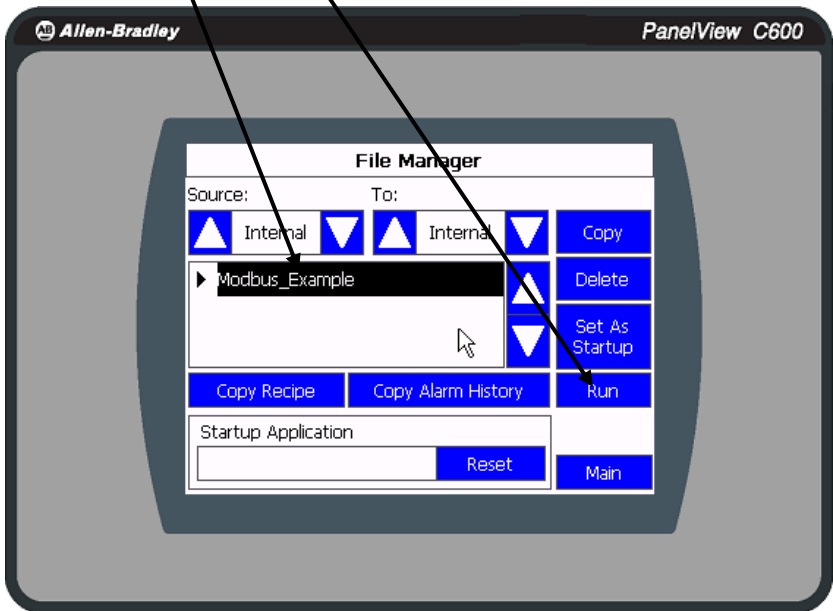
RS485 – Connect the 1763-NC01 adapter to the Mini-DIN port on the Micro830 controller. Connect the RS485 cable from the 1763-NC01 adapter to the RS485/422 port on the PanelView Component.

3. Confirm the controller is in RUN mode and that no faults exist.
4. Load PanelView Component application.

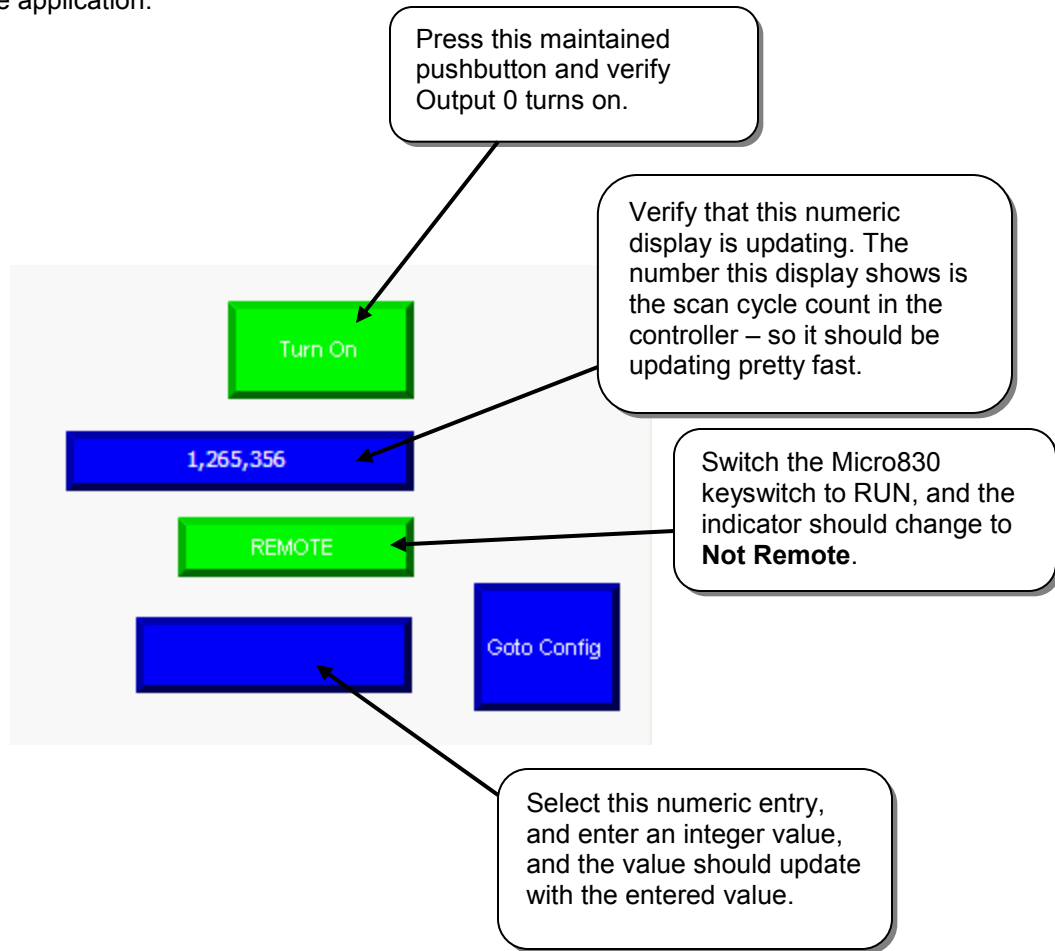
Click **File Manager**.



Select your application, and click **Run**.



5. Test the application.



6. You have finished testing your application.