

Using EasyDCC Command Station Serial Computer Port With DecoderPro and WINDOWS10 - Installation Tips

Locate Your PC's Serial COM Port

If your computer has a conventional serial port it must be very old. Be sure the connector is a standard DB9 connector with 9 pins (not 15).

If Your PC Only Has USB Ports

If you are using a computer that only has USB ports, purchase a USB to Serial Port Adapter. The adapter mentioned below has been tested in an XP operating system, as well as a WIN10 operating system.

TrendNet model TU-S9 is widely available at computer stores or online for about \$25. It has the easiest driver installation and requires just two mouse clicks to install the required drivers.

After getting the USB to Serial adapter. Follow the installation instructions and install its drivers from the CD that comes with the adapter. Confirm that it is recognized by your PC when the cable is plugged in. The drivers will be found on the CD that comes with the adapter.

Install Java On The PC

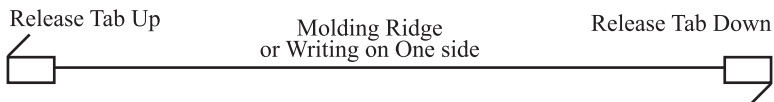
DecoderPro uses JAVA. It must be installed first, before using DecoderPro. **The JAVA must also be up to date. DecoderPro cannot be loaded if the PC's JAVA installation is out of date.** As of the date on this page (2017), the current JAVA download is Version 8 Update 121.

Hookup Command Station Serial Port to PC

A special adapter is required to connect the p-pin serial cable to the CS2B modular cable socket. The adapter can be ordered from CVP. Order part number DB9RJ. It costs \$25. Decide on the length of modular data cable wanted since you get up to 15 feet with the Adapter.

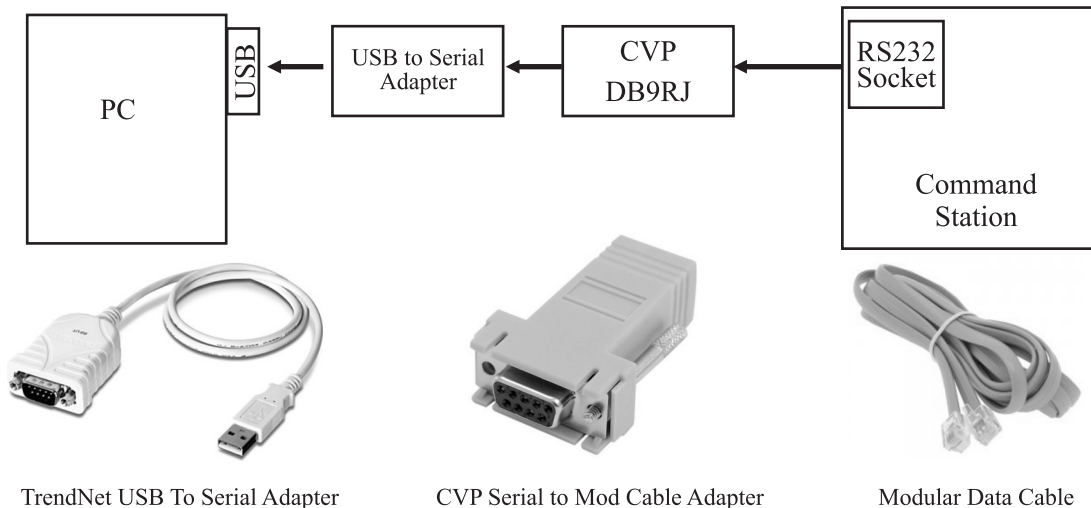
If you build your own modular cable, keep it as short as possible so as not to pickup excessive amounts of noise. Also double check that it is a DATA type cable. DATA type has the plug release tabs reversed relative to the cable's marking or molding ridge. A TELCO cable cannot be used.

Modular Data Cable Identification



Download and Install JMRI DecoderPro Software

Follow the prompts and let the software install itself.



DecoderPro Startup Wizard

After installation, the wizard appears and will provide guidance for completing the connection between the Command Station and the PC.

Your system is EasyDCC.

You are connecting via Serial.

Select your newly installed serial port adapter number for connection.

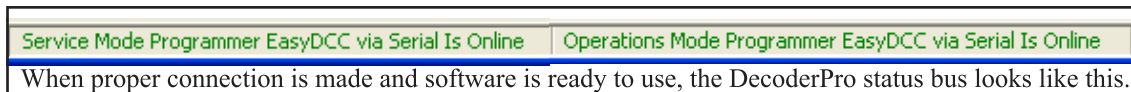
Once that is done, DecoderPro will connect to the Command Station and the initial startup screen appears. Look at the lower left part of the DecoderPro window for the STATUS bar and verify the two messages are green and match what's below.

Troubleshooting

If there is any kind of connection issue, the two status bar messages will be in red and it show an OFFLINE condition.

Common Problems:

- Not installing the USB to Serial adapter drivers.
- Incorrect or out of date software installation for the USB to Serial port adapter.
- Wrong serial port number selected.
- Incorrect modular cable used.
- On the PC, the serial driver port "FLOW CONTROL" setting is not set to NONE.



For help with the use and features of DecoderPro, contact the JMRI software developers directly. CVP cannot provide support for this software.

<http://jmri.org/>

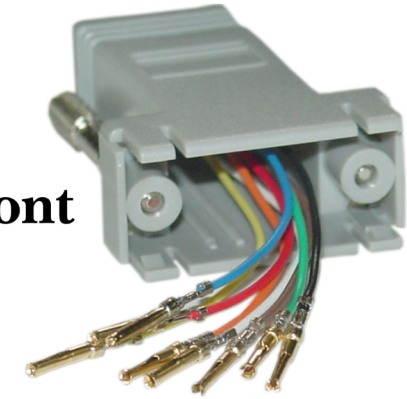
CS2B Command Station
Serial Port Hookup

r5 AUG 2022

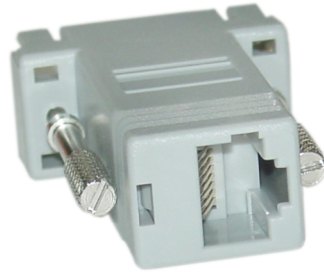
CVP PRODUCTS

www.cvpusa.com

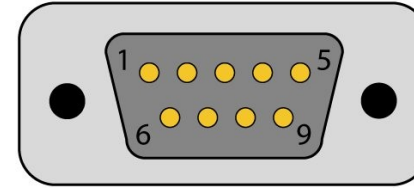
Front



Back



DB9M Connector



Male Connector

RS232 Pin Out

Pin #	Signal
1	DCD
2	RX
3	TX
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI

DB9F
Female Connector

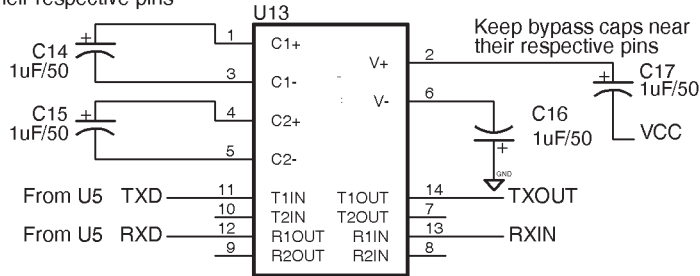


Pin numbers are embossed into the plastic header

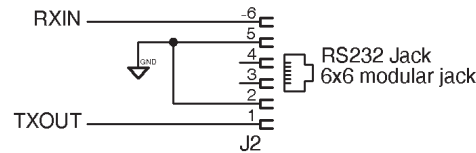
Front

Back

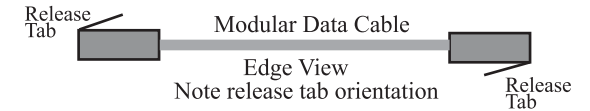
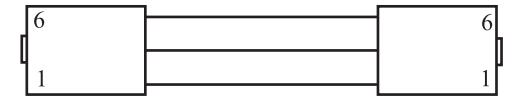
Keep charge pump caps near their respective pins



CS2B Schematic of Mod Socket Wiring



Data Cable Style Is Required
Pin 1 to Pin 1 connection is mandatory

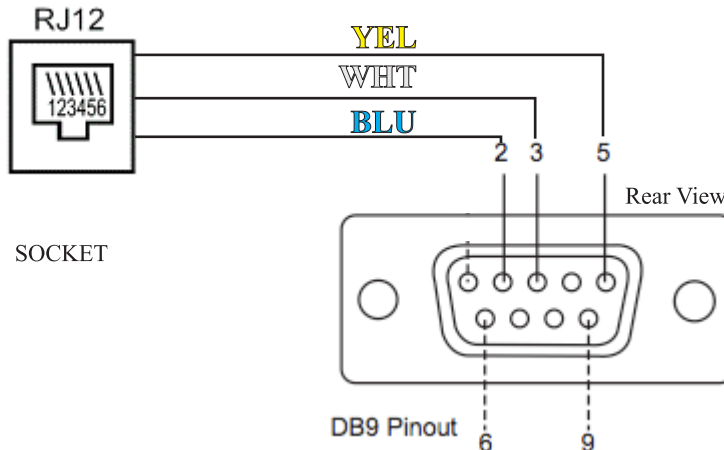


Relative to the cable's molding ridge or markings, the modular plug release tabs face in opposite directions.

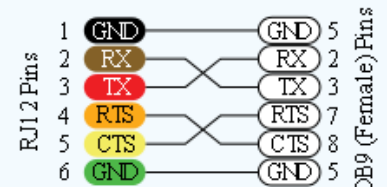
Color Code

- 1-BLU [RX-IN]
- 2-YEL [COM]
- 3-GRN
- 4-BLK
- 5-RED
- 6-WHT [TX-OUT]

VOM Verified



RS232 RJ12 to DB9 Female Adapter



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