Serial Bridge Sniffer

User Guide

Revision Date: September 2026

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Description

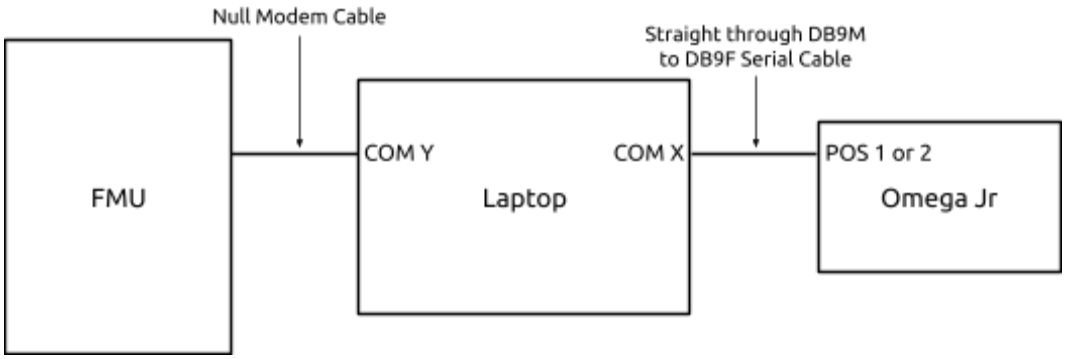
Serial Bridge Sniffer is a specialized RS232 capture tool designed for high-level diagnostics. When paired with the Omega Jr DIAG, it allows for simultaneous communication captures from both the POS and the dispenser. This dual-sided monitoring provides a complete view of system interactions, allowing for rapid and accurate troubleshooting.

Hardware Required

1. Laptop or PC with three USB ports (or a USB hub with at least three ports)
2. Two USB to Serial adapters
3. One null modem cable
4. One straight through male to female serial cable
5. One USB A to USB B cable (connection to the Omega Jr DIAG port for dispenser communication)

Hardware Setup

1. Connect the device (Omega Jr) to a PC serial port or USB to Serial adapter using a straight through male to female serial cable
    a. Windows will assign a com port number to the serial port or the adapter (COM X)
2. Connect the Host device (FMU) to a PC serial port or USB to Serial adapter using a null modem cable
    a. Windows will assign a com port number to the serial port or the adapter (COM Y)

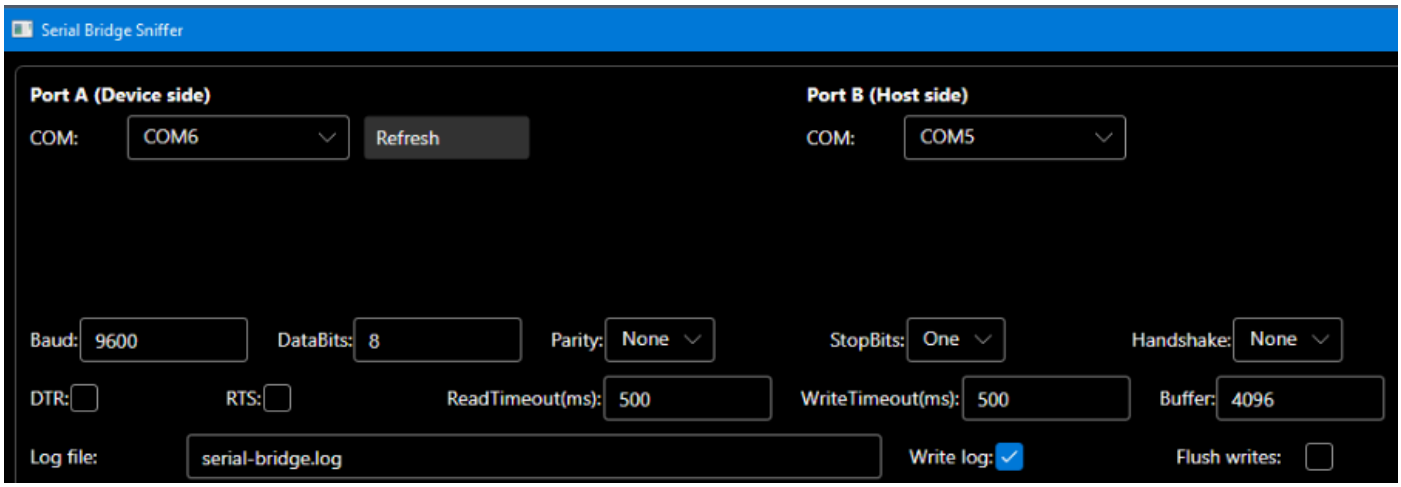


Software Setup

1. Download Serial Bridge Sniffer:
   http://www.pie-corp2.com/.web/build-portal/current/omega_jr/utilities/serial_bridge_sniffer/
2. Extract Serial Bridge Sniffer and run *SerialBridgeSniffer.exe*
3. Configure using the following parameters

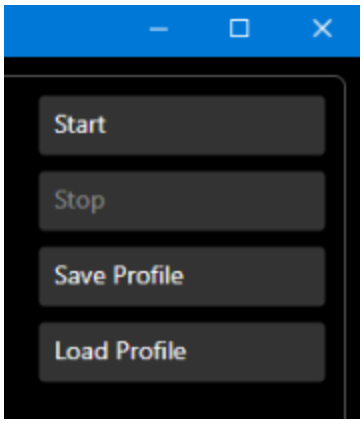
Port A (Device side)	COM X	Parity	None
Port B (Host side)	COM Y	StopBits	One
Baud	9600	Handshake	None
DataBits	8		

4. Ensure that Write log is checked and choose a different Log file name (if desired)



Usage

1. Press Start to begin communication and logging



Notes

1. The log will be in the same folder as the program
2. The filename will be *serial-bridge.log* (unless the name was changed in the program)
3. Since this program is in the middle of the communication line, **it must be running in order for communication from the Host (FMU) to reach the device (Omega Jr)**