

Control Solutions MTX002 USB Driver Information (August 2026) Also Applies to BB2-LON USB Driver

It appears that Windows made a policy change in April 2026 such that drivers previously signed with "trusted" third parties are no longer trusted. Creating a WHCP-signed driver would be neither quick nor easy. However, the reason Control Solutions went down the driver rabbit hole in the first place was that Windows used to natively include a USB serial driver, and then they dropped it. That forced people like us to find a driver. We didn't write the driver, we purchased a driver (from a company that no longer provides such a driver). But more recently, Windows put the original native USB serial driver back.

We do not intend to create a new WHCP-signed driver for Control Solutions devices because Windows 11 already includes the necessary driver. The only difference is that the MTX002 will not show up listed as "MTX002 MS/TP Port (COMx)" in the device manager, and LonWorks gateways will not show up as "BB2-LON Config Tool (COMx)" in the device manager. They will show up generically as "USB Serial Device".

Disregard any instructions pertaining to installing a USB driver for MTX002 or LonWorks gateways. Check your device manager to make a note of which COMx ports already exist. Then simply plug in the MTX002 (or LonWorks gateway) and note what new "USB Serial Device" shows up. Make a note of its COM port number. Select that COMx when connecting MS/TP (or LonWorks) via USB in whatever configuration tool you are using.

Everything about the indication you expect to see when you click Connect on the Local Port (or Connect) page of the configuration tool will be the same as it was before. For the MTX002, you should see four lines, the last of which is "Ready" as noted in the applicable user guide (click the blue question mark). LonWorks simply says "USB COM port open".

Install the applicable configuration tool as previously instructed; just do not install the USB driver previously provided by Control Solutions.

You may have installed the original driver prior to Windows making its policy change. In that case, you will need to uninstall the Control Solutions driver. You should be able to find the "uninstall.exe" in C:\Program Files\ControlSolutions\USBPortAdapter. Run that uninstall program. After the uninstall completes, you need to restart the computer to get it to completely forget the old driver. If you just run the uninstall, the MTX002 (or LonWorks gateway) will be flagged as an unknown device. But after restarting the PC, it shows up as a generic USB Serial Device.

Windows officially made the policy change in April 2026, but there was a transition period before enforcement became required. If you experienced the driver suddenly not working even though it had worked for quite some time previously, this would be the reason.