Universal Industrial Gateway Basic Checklist

This checklist is meant to be used to double check the basic configuration of a Universal Gateway or as a "First Step" in troubleshooting a configuration. For more detailed troubleshooting information or more specific information on any of the configuration parameters please refer to the User's Guide or Online Help.

NOTE	This checklist assumes you are able to access the Universal Gateway's User Interface. If not, please refer to the User's Guide or contact Technical support.

Network:

- Does the IP address of the Universal Gateway match the Subnet Mask of the PLCs that are connected to it?
- Is the Universal Gateway connected to the PLCs via a Switch?

NOTE	Hubs are not recommended and may not provide an adequate connection between the Universal Gateway and a PLC.

Serial Ports:

- Is the PLC connected to the correct Serial port?
- Is the Universal Gateway's Serial port that the PLC will be connected to, configured to match the Serial port of the PLC?
- Does the Serial cable between the Universal Gateway and the PLC have the correct pin assignments?
    - See Appendix A for the Universal Gateway's serial port pinout.
    - See Appendix B for the pinout of the most commonly used serial cables.

Devices:

- Do all the PLCs have an associated "Device" in the list of devices?
- Do the associated Devices have the correct Protocol, Connection, and Address (if Ethernet) configured?

Tags:

- Do the Devices associated with the PLCs have at least one Tag with the correct Data Type and location Address (location within the PLC of the Tag, Data File, or Register)?

Tags Maps:

- Does the Tag Map have at least one pair of Source and Destination Tags?
- Is the Tag Map using the correct method to execute the moving of data ("On Change" or "Periodic")?
    - If using "On Change";
        - Is the Tag being monitored, changing value as anticipated?
        - Is the polling rate appropriate to properly monitor the Tag for a change in value?
    - If using "Periodic";
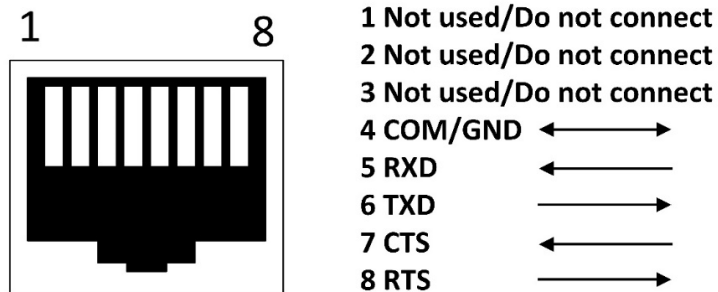   - Is the frequency (how often the Tag Map is to execute) set appropriately to

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move data at the needed rate?
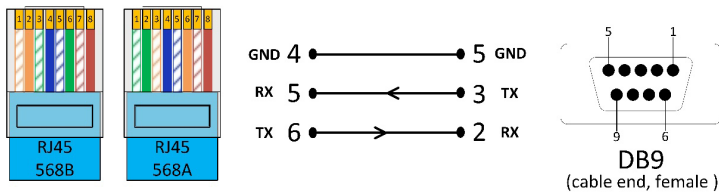
- Is the Tag Map active?

NOTE	You will not be able to view the details of a Tag Map's configuration or edit it when the Tag Map is active.

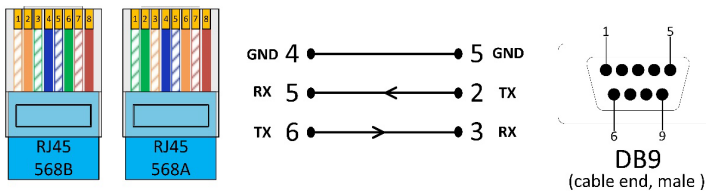- Is the "Live Tag Map Viewer" showing data in both the Source and Destination columns?

Appendix A: Universal Gateway Serial Port Pinout

1 Not used/Do not connect
2 Not used/Do not connect
3 Not used/Do not connect
4 COM/GND
5 RXD
6 TXD
7 CTS
8 RTS

Appendix B: Commonly Used Serial Cable Pinouts

Universal Gateway RJ45 serial port
to
Allen Bradley DF1 Channel 0

Universal Gateway RJ45 serial port
to
Allen Bradley PM02 Cable DB9

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