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BURK TECHNOLOGY MA 01460 Plus X GSC Adapter User Guide

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BURK TECHNOLOGY MA 01460 Plus X GSC Adapter

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Network Setup

1. Plug in the power cord and connect the Plus-X GSC Adapter to your network using the rear-panel Ethernet connector.

2. If your network supports DHCP functionality, a dynamic IP address will be assigned to the unit. If not, follow the steps below:

   - From the Control Panel, select Network Connections.
   - Double-click the icon for the network you will be using.
   - On the General tab, click Properties.
   - Click Internet Protocol version 4 TCP/IPv4.
   - Select Properties.
   - Choose "Use the following IP address" and enter an IP address of 192.168.0.x (where x is any valid address location except 100).
   - Enter Subnet Mask 255.255.255.0.
   - Click OK.

3. Open a web browser and enter the default IP address of the Plus-X GSC Adapter: 192.168.0.100.
4. Set a password for the administrator account when prompted.
5. On the login screen, enter the username "admin" and the password you supplied earlier.
6. Follow the on-screen instructions to enter a static IP address for the Plus-X GSC Adapter. Consult your network administrator for an available IP address that is not within the DHCP address range.
7. Your browser will be redirected to the new IP address. If you initially connected without DHCP, your PC should now be restored to its previous network settings.
8. Log in to the Plus-X GSC Adapter using its new static IP address.
9. Go to the Settings tab on the web page and select Network to change the network information. Enter the required network details and save the changes.
10. To verify communication, open a command prompt on your computer and ping the IP address you assigned to the unit.

Status/Command Options and I/O Connections

Status Configuration:

Each status input on the Plus-X GSC Adapter can be configured as pullup or pull-down. To configure the status channels, follow these steps:

1. Access the Plus-X GSC Adapter's web page.
2. Find the Status Configuration link and click on it.
3. For each channel, select either "Pull-up" or "Pull-down".
4. Click Save when finished.

This Quick Start Guide will show you how to set up the Plus-X GSC Adapter in four simple steps. For detailed configuration and setup information, visit **www.burk.com/downloads**, select the Plus-X GSC Adapter support page and download the Plus-X GSC Adapter Installation and Operation Manual.

UNPACKING

In addition to this Quick Start Guide, you will find the following in each package:

- (1) Plus-X GSC Adapter Unit

- (1) Power Cord
- (1) Ethernet Cable

NETWORK SETUP

1. Plug in the power cord and connect the Plus-X GSC Adapter to your network via the rear-panel Ethernet connector.
2. If your network supports DHCP functionality, a dynamic IP address will be assigned to the unit. If DCHP is not supported on your network skip ahead to step 3 now. To access the unit, launch a web browser and enter the hostname PLUSXGSC/ in the browser's address field then skip to step 5. Be sure to include the forward-slash symbol in the hostname.
3. If your network doesn't support DHCP, the Plus-X GSC Adapter will assign itself the default IP address 192.168.0.100. You will need to connect a PC with a web browser to the Plus-X GSC Adapter at this IP address before you can change the network settings on the unit. One way to do this is to unplug your PC from any other LAN and connect your PC to the Plus-X GSC Adapter via a network switch or a cross-over ethernet cable. Then configure your PC with a compatible IP address so that you may connect to the Plus-X GSC Adapter. Running Windows, the following steps will allow you to configure your PC with a compatible IP address:

1	From the Control Panel, select Network Connections.	5	Select Properties.
2	Double-click the icon for the network you will be using.	6	Choose "Use the following IP address" and enter an IP address of 192.168.0.x, where x is any valid address location except 100.
3	On the General tab, click Properties.	7	Enter Subnet Mask 255.255.255.0
4	Click Internet Protocol version 4 "TCP/IPv4".	8	Click OK.

4. Open a browser and enter the Plus-X GSC Adapter default IP address of 192.168.0.100.
5. The web page will prompt you to set a password for the administrator account.
6. The login screen will then be displayed. Enter the username admin and the password you supplied above.
7. The first screen displayed after initial login is an abbreviated Network page requiring you to enter a static IP address for the Plus-X GSC Adapter. Check with your network administrator for an available IP address that is not within the DHCP address range.
8. Your browser will be automatically redirected to the new IP address. If your initial connection was made without DHCP, your PC should now be restored to its prior network settings and both the PC and the Plus-X GSC Adapter should be connected to the normal LAN.
9. Log in to the Plus-X GSC Adapter at its new static IP address, go to the Settings tab on the web page and select Network to change the network information. Add the following network information and select save to confirm the changes.
   - NetBIOS/Hostname – This name should be changed from its default value of PLUSXGSC so conflicts will not occur if multiple Plus-X devices of the same model are installed on the network.

- IP Address – This field will display the static IP address you entered in a previous step.
- Subnet Mask – Check with your network administrator otherwise the factory default setting can be used.
- Gateway – Check with your network administrator otherwise the factory default setting can be used.
- ARC Plus IP address – Enter the IP address of the ARC Plus Touch or ARC Plus SL unit that the Plus-X GSC Adapter will be connected to.
- HTTP Port – Check with your network administrator. The factory default setting is port 80.
- Plus-X Port – Check with your network administrator otherwise the factory default setting can be used. This port must match the setting for Plus-X Port on your ARC Plus Touch or ARC Plus SL unit.
10. To verify communication, open a command prompt on your computer and ping the address you just assigned to the unit to ensure it is correctly configured.

STATUS/COMMAND OPTIONS AND I/O CONNECTIONS

Status Configuration

Status

Status Channel	Pull-up	Pull-down
1	●	○
2	●	○
3	●	○
4	●	○
5	●	○
6	●	○
7	●	○
8	●	○
9	●	○
10	●	○
11	●	○
12	●	○
13	●	○
14	●	○
15	●	○
16	●	○

Save

Relay Configuration

Relay Mapping: A is Raise / B is Lower ▼

Save

Each status input on the Plus-X GSC Adapter can be configured as pullup or pull-down. To configure the status channels, use the Status Configuration link on the Plus-X GSC Adapter's web page. For each channel, select either Pull-up or Pull-down. Click Save when you are finished.
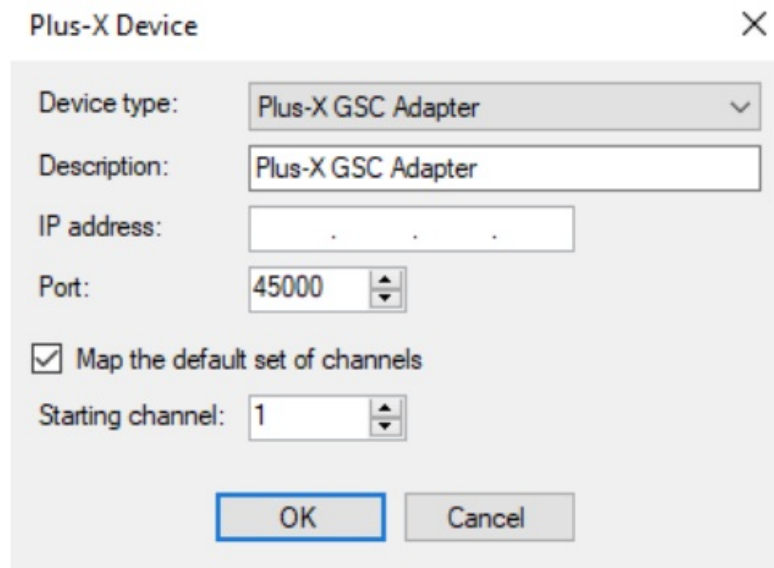
Relay Configuration

This setting determines which of the GSC Adapter's relays (A or B) will be controlled by the ARC Plus "Raise" command and which will be controlled by the ARC Plus "Lower" command. To configure the relays, use the Relay Configuration link on the Plus-X GSC Adapter's web page. Select either A is Raise / B is Lower or B is Raise / A is

Lower. Click Save when you are finished.

I/O Connections

After entering the configuration settings, you are ready to install the Plus-X GSC Adapter in its permanent location. Simply move the DB37 cables from the GSC/VRC to the Plus-X GSC Adapter, and no additional wiring is required. For information on configuring and calibrating input channels, see the Plus-X GSC Adapter Installation & Operation Manual.

CONNECTING TO AN ARC PLUS TOUCH OR ARC PLUS SL

The Plus-X GSC Adapter communicates with the ARC Plus Touch or ARC Plus SL via LAN/WAN, allowing installation anywhere a network connection is available. Use AutoLoad Plus to add the Plus-X device to the ARC Plus Touch orARC Plus SL unit. Ensure you have the current version of AutoLoad Plus installed on your computer. To obtain the current version, visit **www.burk.com/downloads** and select the AutoLoad Plus support page. On the AutoLoad Plus menu, select Edit->Plus-X Devices and click Add. The dialog box shown to the right will be displayed.

- Select Plus-X GSC Adapter and enter its network information.
  - **Note:** If adding more than one Plus X device to an ARC Plus, change the starting channel so that other assigned channels are not overwritten.
- Select OK to confir m the first Plus X device.
- If adding more than one Plus X device, repeat the same steps.
- Save the configuration by selecting File>Save in AutoLoad Plus.

To confirm that the Plus-X GSC Adapter is communicating, log in to the ARC Plus Touch or ARC Plus SL using the web browser. All assigned channels should show their default values.

MANUALLY MAPPING PLUS-X CHANNELS

1. To manually map Plus-X channels to the ARC Plus, click the Meter or Status tab as appropriate. Locate an unused channel and click the […] button in the Source column. This will bring up the Source dialog. Click the Plus-X button and choose the Plus-X device and channel you wish to use.
2. Configure labels, limits, and alarms for the newly added Plus-X channels.

3. Lastly, you will need to calibrate the metering channels. If you have not already connected the input connector blocks, do so now. Then click the Calibration icon at the far right of the Source column in the AutoLoad Plus Meter Channels tab to complete the calibration process.
4. Select File>Save to save the changes to the ARC Plus.

Note: If the meter or status inputs show as offline or a warning is displayed, check the network configuration and ensure the configuration is saved within AutoLoad Plus.

Refer to the Plus-X GSC Adapter Installation and Operation Manual for further information on configuring and operating the Plus-X GSC Adapter unit.

CUSTOMER SUPPORT

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- **www.Burk.com**

Documents / Resources

BURK TECHNOLOGY MA 01460 Plus X GSC Adapter [pdf] User Guide
MA 01460 Plus X GSC Adapter, MA 01460, Plus X GSC Adapter, X GSC Adapter, GSC Adapter

References

- **Downloads - Burk Technology - Facilities Monitoring & Control Solutions**
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