

This Quick Start Guide will show you how to set up the Plus-X AC-8 in four simple steps. For detailed configuration and setup information, visit [www.burk.com/downloads](http://www.burk.com/downloads), select the Plus-X AC-8 support page and download the Plus-X AC-8 Installation and Operation Manual.

## 1 UNPACKING

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

- (1) Plus-X AC-8 Unit
- (1) Ethernet Cable
- (2) 9-pin Terminal Block



## CUSTOMER SUPPORT

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## 2 NETWORK SETUP

1. Plug in the power cord and connect the Plus-X AC-8 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 DHCP is not supported on your network skip ahead to step 3 now. To access the unit, launch a web browser and enter the hostname **PLUSXAC8/** 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 AC-8 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 AC-8 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 AC-8 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 AC-8. 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 AC-8 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 AC-8. 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 AC-8 should be connected to the normal LAN.

9. Log in to the Plus-X AC-8 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.

**a. NetBIOS/Hostname** – This name should be changed from its default value of PLUSXAC8 so conflicts will not occur if multiple Plus-X devices of the same model are installed on the network.

**b. IP Address** – This field will display the static IP address you entered in a previous step.

**c. Subnet Mask** – Check with your network administrator otherwise the factory default setting can be used.

**d. Gateway** – Check with your network administrator otherwise the factory default setting can be used.

### 2 NETWORK SETUP (CONTINUED)

- e. **ARC Plus IP address** – Enter the IP address of the ARC Plus Touch or ARC Plus SL unit that the Plus-X AC-8 will be connected to.
- f. **HTTP Port** – Check with your network administrator. The factory default setting is port 80.
- g. **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.

### 3 OUTLET CONFIGURATION

The Plus-X AC-8 provides 8 AC power outlets to power various devices. The outlets can be configured individually to pulse on, pulse off, or latch. Pulse On means the outlet will turn on for the specified duration before automatically turning off. Pulse Off means the outlet will turn off and automatically turn back on after the specified duration. Latching means the outlet will turn on until the outlet is manually turned back off (or vice versa).

Click on the Config link on the Plus-X AC-8 web page to configure each outlet as desired.

1. Give the outlet a name to identify the device you are controlling on that outlet.
2. Set control behavior to pulse on or off with the specified duration or to latch.
3. If using an external relay contact to control the outlet, set the Control Input to use the pulse duration as specified in the Type section or to match the closure time of the external control input.

Outlet 1	
Name	Network
Type	<input type="radio"/> Pulse on for 6 seconds <input checked="" type="radio"/> Pulse off for 6 seconds <input type="radio"/> Latching
Control Input	<input type="radio"/> Match closure duration <input checked="" type="radio"/> Use outlet configuration
Update Outlet 1	

#### Connecting an External Control Relay

To connect an external remote control to the Plus-X AC-8, simply connect a pair of command relays from the remote control to the rear panel control input associated with the desired outlet. Typically "raise" relays would connect to the ON pins on the Plus-X AC-8 and "lower" relays would connect to the OFF pins on the Plus-X AC-8. A common ground pin is provided.



### 4 CONNECTING TO AN ARC PLUS TOUCH OR ARC PLUS SL

The Plus-X AC-8 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 or ARC 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](http://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 AC-8 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 confirm 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 AC-8 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 Command tab. 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. Use the Commands tab in AutoLoad Plus to configure additional relay settings for the newly added Plus-X AC-8 channels.
3. Select File>Save to save the changes to the ARC Plus.

**Note: If the channels 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 AC-8 Installation and Operation Manual for further information on configuring and operating the Plus-X AC-8 unit.