

TANDEM WEB INTERFACE

For RT Series Control Panels ending in "-W" or Standalone "RT-WEB-1"

INSTALLATION AND MAINTENANCE MANUAL (IMM)

PLC Multipoint



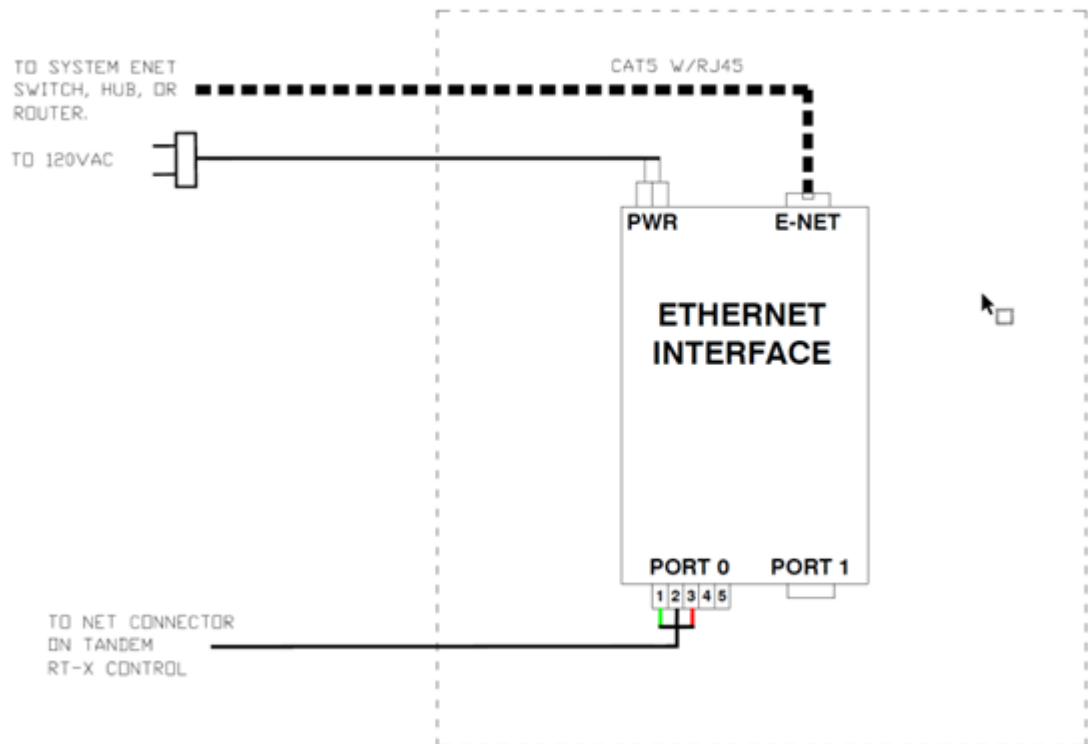
The Tandem Web Interface provides a way to program the Tandem Panel using PLC Designer from a remote computer via a Local Area Network (LAN).

Instructions for wiring and computer configuration are provided below:

- The SB800EX-JDT-IR Netburner includes a 5-position terminal block at Port 0 and a DB9-M connector at Port 1, both on the back panel of the device. Either Port may be used to connect the Tandem to the Netburner via RS485 wiring. Connection using Port 1 requires a DB9-M connector adapter that is not included with the Netburner.

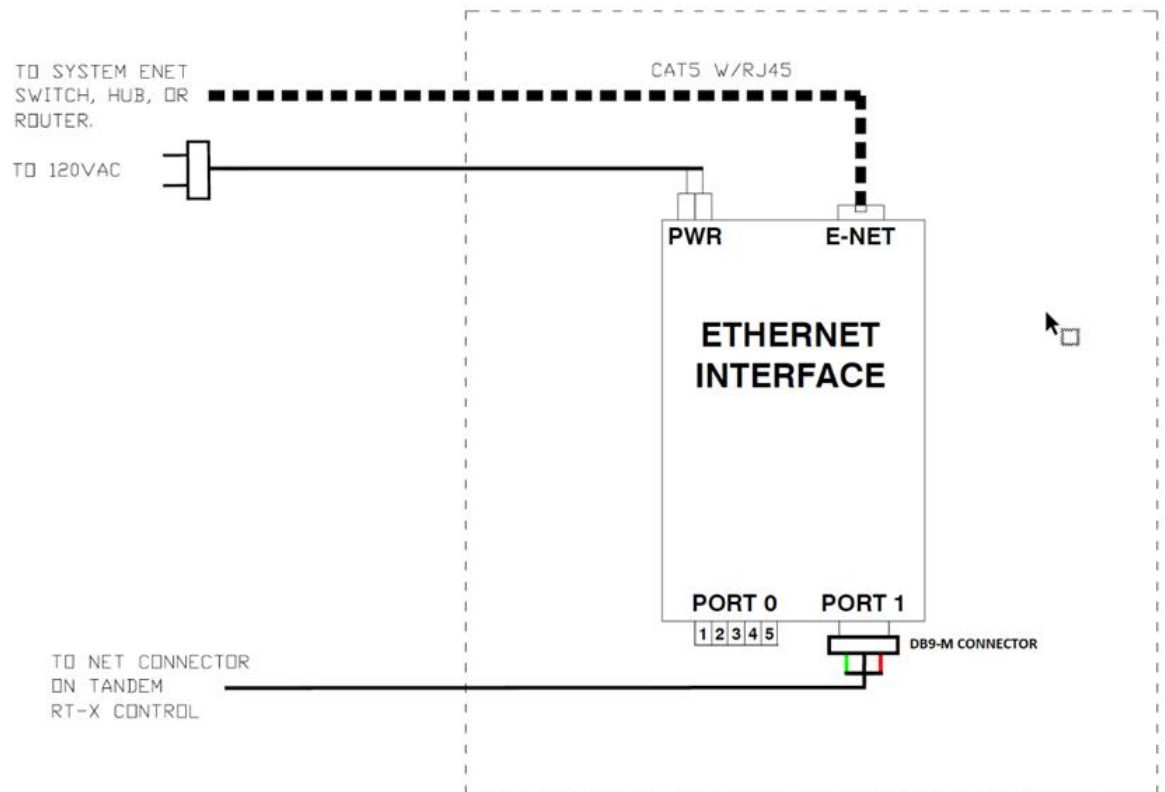
A. Tandem Panel Net Connector connection to Port 0

- Controller Net + to terminal block position 3 (Half Duplex+)
- Controller Net – to terminal block position 2 (Half Duplex-)
- Controller Net Gnd to terminal block position 1 (Ground)



B. Tandem Panel Net Connector connection to Port 1

- Controller Net + to connector adapter position 2 (Half Duplex+)
- Controller Net – to connector adapter position 1 (Half Duplex-)
- Controller Net Gnd to terminal adapter position 5 (Ground)



- Prior to setup initiation, ensure that the computer is connected to the same network (LAN) that the PLC Multipoint R-Series Lighting Control System will be connected to in the setup procedure.
- Connect the NetBurner device to the LAN with a standard Cat 5 Network cable.
 - A. The two small LEDs located under the connection port on the NetBurner unit will flash when a proper network connection between the NetBurner and the local network has been established.
- Before opening the IP Setup Tool, ensure that the Windows Firewall is not running on the computer being used to configure the system. In addition, some anti-virus programs have been known to interfere with the IP Setup Tool and may need to be disabled.
 - A. Download the IP Setup Tool, which can be accessed at:
<https://www.netburner.com/download/ip-setup/>
 - B. A zip file will be downloaded to the computer. Access and run the executable file located in the zip file. Figure 1 shows the window (or similar) that should be displayed:

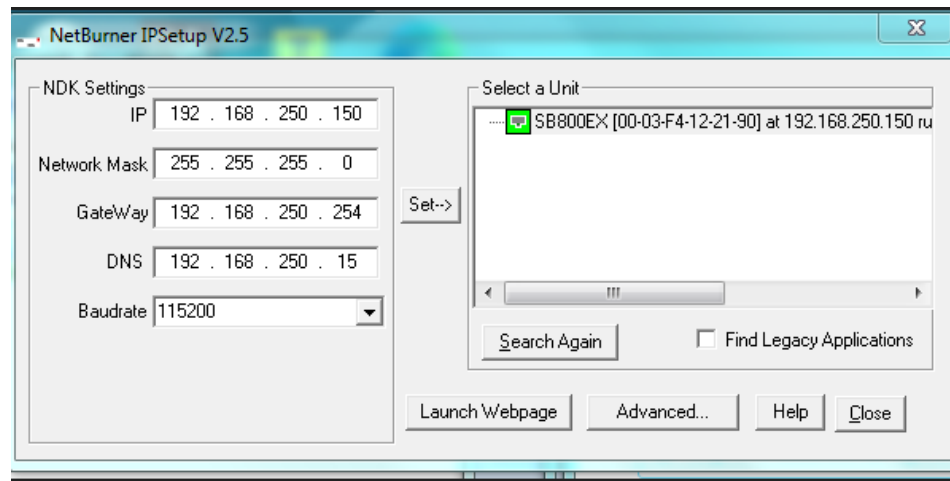


Figure 1 – NetBurner IP Setup Tool Initial Display

- Select the unit that appears in the "Select a Unit" box, then insert the following NDK Settings on the top left-hand side of the screen:
 - A. Set the IP address to a currently unused address, e.g., 192.168.250.150
NOTE: record this address as it will be needed in the next step
 - B. Set Network Mask to 255.255.255.0
 - C. If the Ethernet interface is being used only for internal network, Go to Step E.
 - D. If the Ethernet iinterface is being used for external network, assign Gateway and Domain Name Service.
 - E. Click the "Set-->" button mid-screen.
- Verify the IP information on the Network Page by selecting "Network" at the top of the screen.
NOTE: The subnet of the computer that is being used to view the Netburner configuration tool may need to be changed to the same subnet as the Netburner.

Network

Protocol (Changing will terminate all existing connections)

Device Name (for DHCP)

NetBIOS Name

Version

	Static Settings	DHCP Assigned Values	Address Mode
Device IP Address	192.168.250.200		Static IP
Device Subnet Mask	255.255.255.0		
Device Gateway	192.168.250.254		
DNS Server	192.168.250.15		
NTP Server	pool.ntp.org	23.157.160.168	Valid NTP time
System Time:	NTP: JAN 29 2026 day: 28 (THU) 18:23:44 UTC (When page was loaded)		

- Select "TCP" at the top of the screen
- Select "Static IP" as Address Mode
- Verify the settings for Port 0 as shown below:

TCP		
	Port 0	Port 1
Listen for incoming network connections	☒	☒
Listening network port:	23	24
Timeout and disconnect after this many seconds of inactivity.	60	60
Allow new connection if the existing connection has been idle for this many seconds.	30	30
When to begin making outgoing tcp connections:	Never	Never
Connect on network port:	1000	1000
Connect to this address:	(Enter IP Address)	(Enter IP Address)
Alternate address:	(Enter IP Address)	(Enter IP Address)
Timeout and disconnect after this many seconds of inactivity.	60	60
Retry failed outgoing connections after this many seconds.	360	360
Check and maintain valid connection at intervals in seconds.	0	0
Use custom packetization logic (below)	☐	☐
Number of characters to accumulate before sending TCP packet:	32	32
Number msec to wait for accumulated characters: 0 waits forever.	100	100
Send TCP frame when this character is received: Use a 2 digit hex value, NA to disable.	NA	NA
USE SSL rather than TCP for connections:	☐	☐
Always Save Serial Chars regardless of connection status:	☐	☐
Network Settings on Serial Port - Advanced Serial Settings		
Submit New Settings		

Device Name: SB800EXSX-177E | Version: 02.13.03

- Select "Serial" at the top of the screen to change the settings on the Serial Page to the following:
 - Data Port: RS-485 Half Duplex
 - Data Baud Rate 38400
 - Bits: 8
 - Parity: None
 - Stop Bits: 1
 - Flow: None



[Network](#) | [UDP](#) | [TCP](#) | [SSH](#) | [Serial](#) | [Password](#) | [HTTPS](#) | [CA Certs](#) | [Advanced](#) | [Help](#)

	Port 0	Port 1
Data Port Settings:	RS-485 Half Duplex ▾	DEBUG ▾
Data Baud Rate:	38400 ▾	38400 ▾
Custom Baud Rate:	0	0
Data Bits:	8 ▾	8 ▾
Data Parity:	None ▾	None ▾
Stop Bits:	1 ▾	1 ▾
Flow Control:	None ▾	None ▾
AT Commands:	☒	☒
Submit New Settings		

Device Name: SB800EXSX-8008 | Version: 02.07.0002

Click "Submit New Settings"

The Net Burner unit is now ready for use with PLC-Designer.

For technical support, email PLC Multipoint at Tech@plcmultipoint.com.