



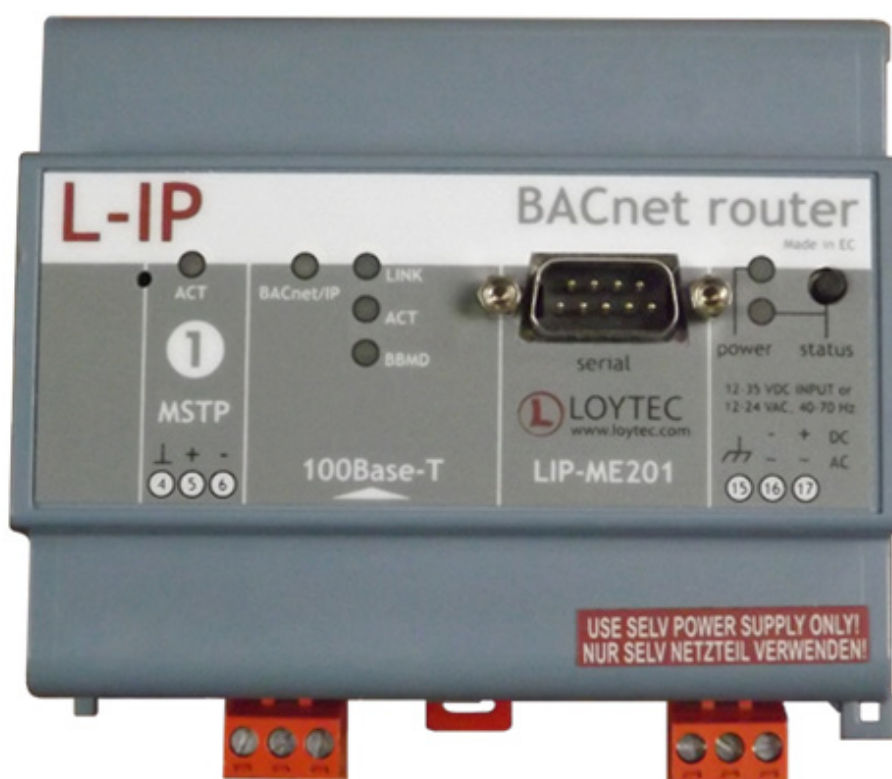
5580 Enterprise Pkwy.
Fort Myers, FL 33905

Office: 239-694-0089
Fax: 239-694-0031

www.mcscontrols.com

MCS-BACNET-ROUTER 2

Installation & Reference Guide



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Revision/Disclaimer Page

| Date | Author | Description of Changes |
|-------------|---------------|-------------------------------|
| 2015--03-23 | DEW | Restructured manual |
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Micro Control Systems, Inc.
5580 Enterprise Parkway
Fort Myers, Florida 33905
PH:(239) 694-0089 FAX:(239) 694-0031
www.mcscontrols.com

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Default Setting / Webpage Configuration

MCS-BACNET-ROUTER 2

The MCS-BACNET-ROUTER2 default settings are:

- Bacnet IP:
 - Network Number: 1
 - Port: 0xBAC0
 - IPAddress: 192.168.1.254
 - IP Netmask: 255.255.255.0
 - IP Gateway: 192.168.1.1

- Bacnet MSTP:
 - Network Number: 2
 - Node Number: 127
 - Baud Rate: 38400
 - Max Masters: 127

There is a label on the side of the MCS-BACNET-ROUTER2 with the setting. These settings can be changed by the customer as explained in the web configuration section below.

Webpage Configuration

Each router contains an interactive web server, accessible from any Internet-compatible PC on the local network *Figure 1— Setup for Initial IP Address Configuration 1*. It is factory-programmed with a default IP address of 192.168.1.254 and a Class C subnet mask of 255.255.255.0 (/24).

To configure the router, attach it to a computer with an Ethernet connection and a standard web browser. For initial configuration, the PC chosen for the procedure should temporarily have its IP address modified as illustrated in *Figure 2* — which employs a Windows® XP example.

The example in *Error! Reference source not found.* suggests an IP address for the PC of 192.168.1.253, but the final quad of the address could be any value from 3 to 253 — except for 254, which is used by the router. After the IP address of the PC has been set to the same subnet as the router, a browser can access the router via its default IP address.

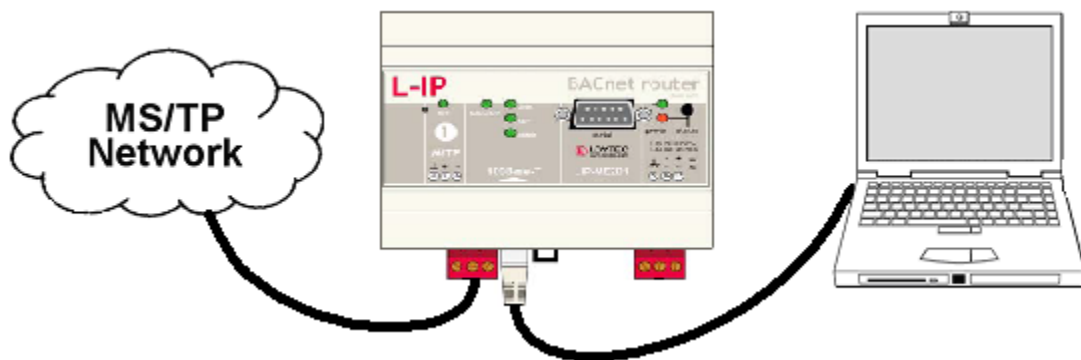


Figure 1— Setup for Initial IP Address Configuration

Steps for Changing the IP Address

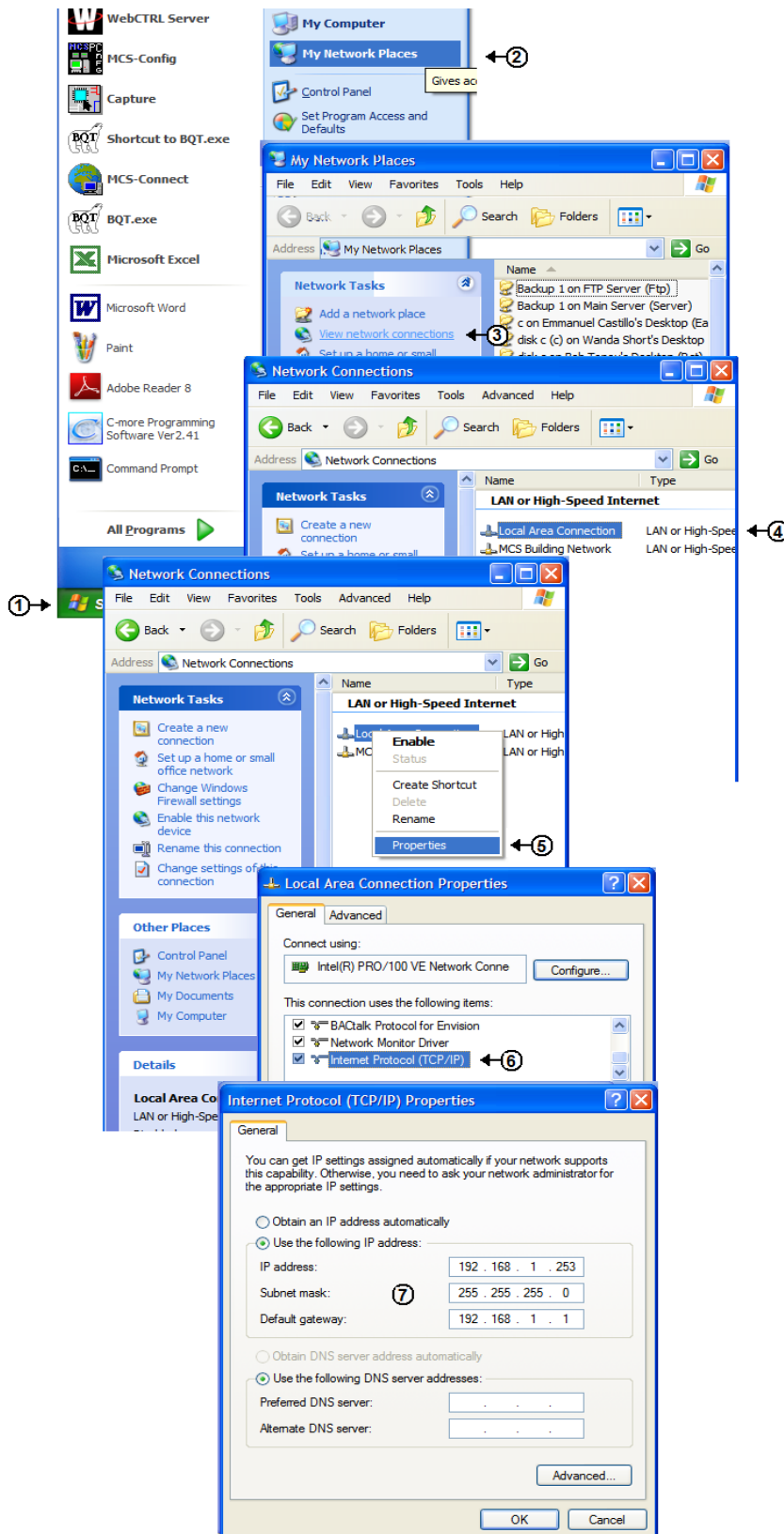


Figure 2— Steps for Changing the IP Address of the PC Used for Setup

The device information page is shown in *Figure 3 — device information page3*. It shows information about the LIP-ME201 and the current firmware version. Click through the menus on the left side to become familiar with the different screens. If you click on “Config” in the left menu you will be asked to enter the administrator password in order to make changes to the settings as shown in *Figure 4— Enter admin as the default administrator password4*. Enter the default administrator password “admin” and select “Login”.



Figure 3 — device information page

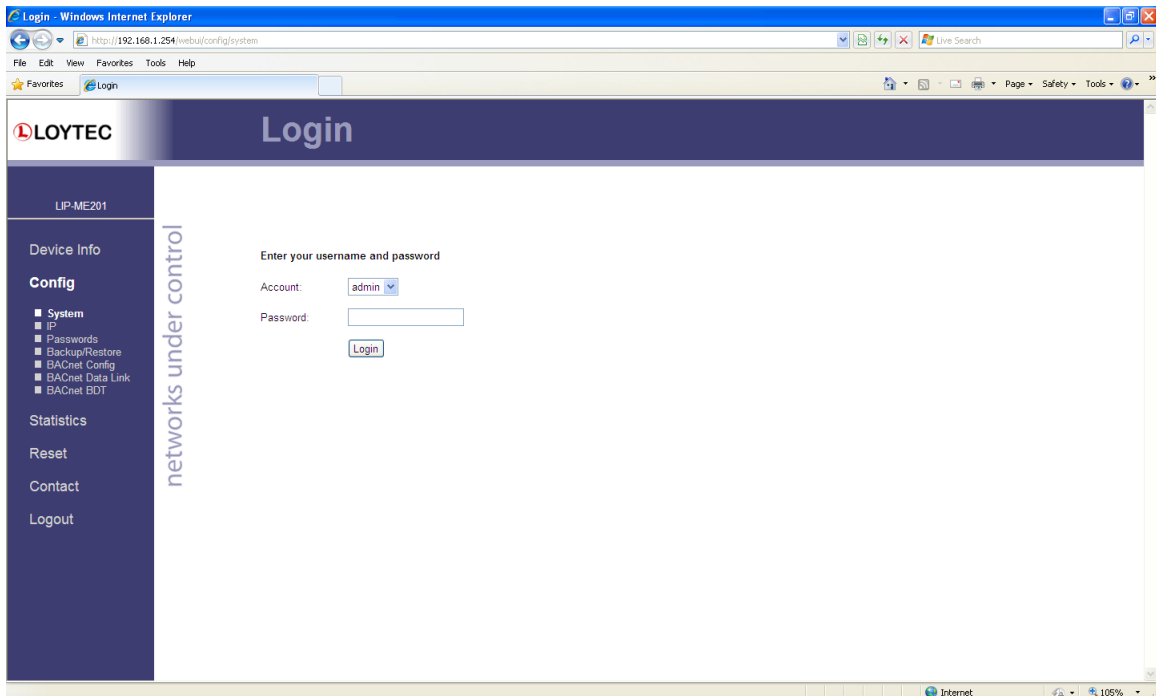


Figure 4— Enter admin as the default administrator password

Figure 5— BACnet device configuration page5 shows the BACnet device configuration page. This configuration page allows setting the device ID, which is the instance part of the “Object_Identifier” property of the BACnet Device object. The field “Device name” holds the name of the BACnet device object (property Object_Name).

Important: The device ID and device name must be unique within the BACnet internet work.

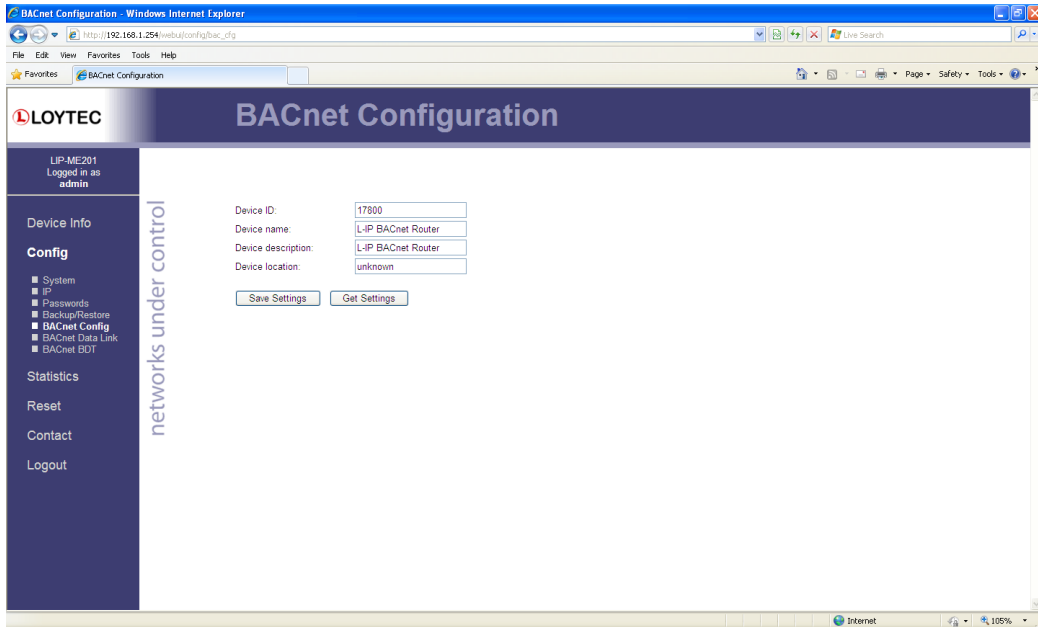


Figure 5— BACnet device configuration page

Figure 6 —BACnet/IP Data Link Layer and Router Configuration6 shows the BACnet/IP data link layer and router configuration page. The first field allows enabling or disabling the BACnet/IP data link layer, it must always be enabled. Set the BACnet network number of the BACnet/IP data link layer and the UDP port used for the BACnet/IP protocol in the next two fields. Enter a port number of 0 to use the default port (47808/0xBAC0).

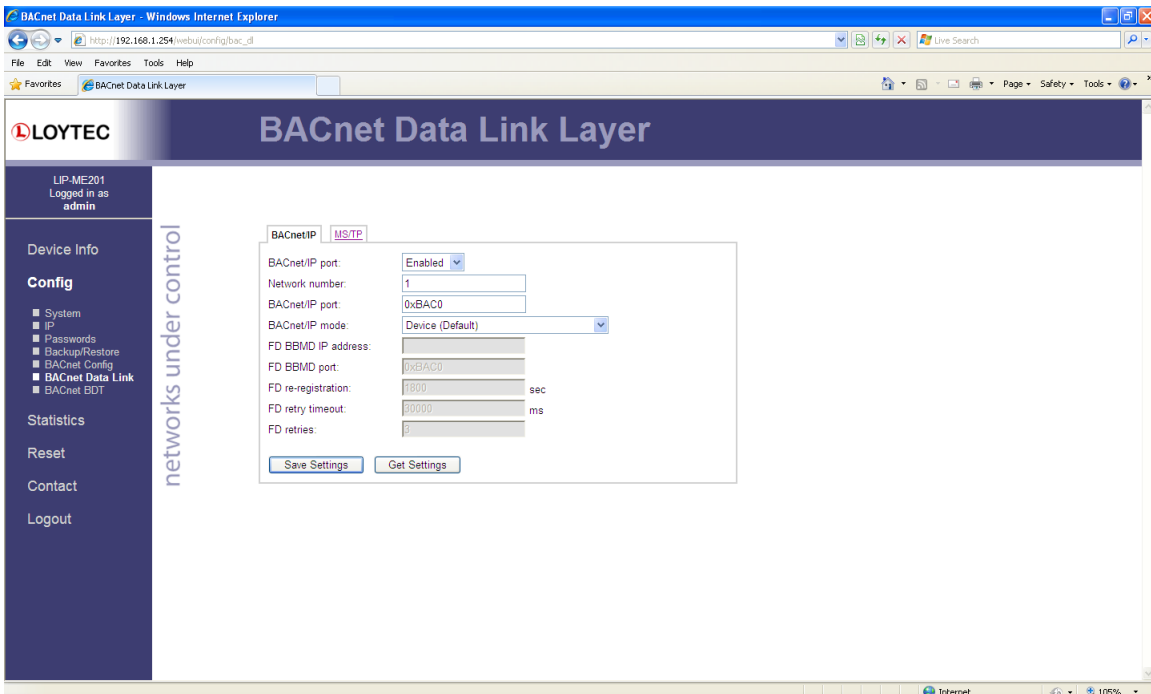


Figure 6 —BACnet/IP Data Link Layer and Router Configuration

Figure 7—MS/TP Data Link Layer Configuration7 shows the MS/TP data link configuration page. In the first field, the MS/TP data link layer can be enabled or disabled. If MS/TP is disabled, the LIP-ME201 will not work as a router. Set the BACnet network number of the MS/TP data link layer in the next field.

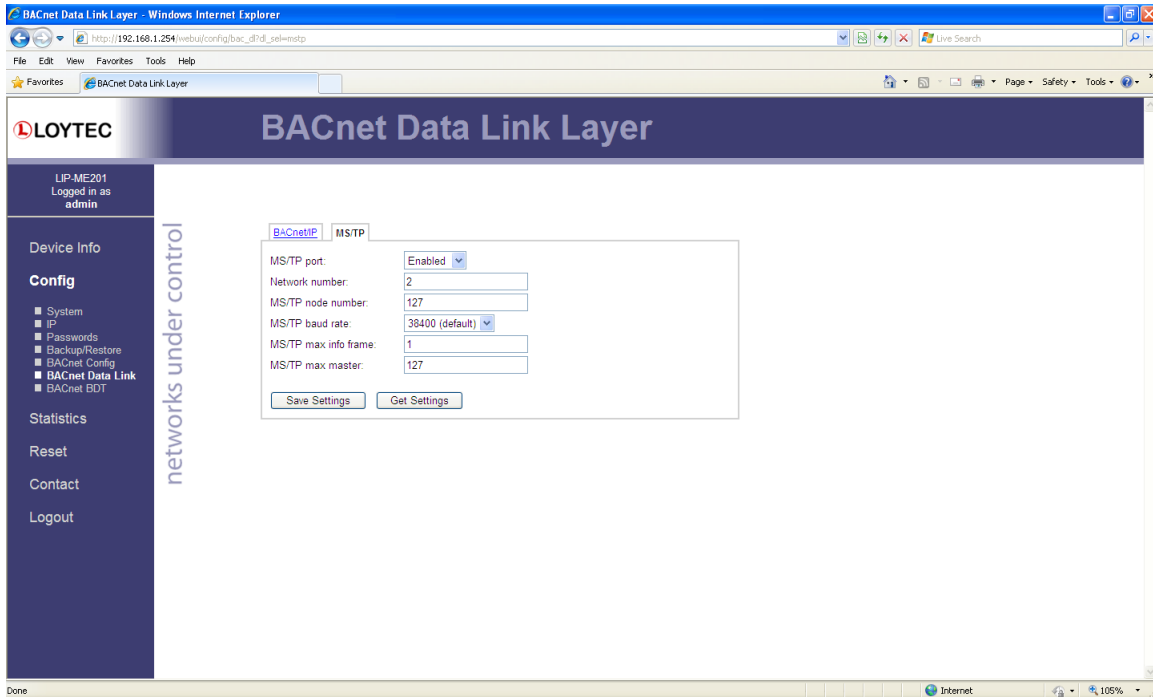


Figure 7—MS/TP Data Link Layer Configuration



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5580 Enterprise Pkwy. Fort Myers, FL 33905

Office: (239) 694-0089

Fax: (239) 694-0031

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