BACnet Router Help document

LM Router201-B

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www.lmgateway.com

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1 Technical Support

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2 Overview

- LM Router201-B can support 2 MSTP buses at the same time.
- BACnet routing enables transparent between BACnet MS / TP and BACnet IP.
- Supporting Johnson Controls, Siemens, Honeywell, Delta, Schneider DDC, Siemens VAV controllers and other MSTP controllers.
- Upload and download DDC program.
- WEB configuration using Google Chrome.

3 Steps

Router web configuration, the default IP address of Router is 192.168.1.233. Connect Router to the switch or directly connect to the PC. Set the PC's network to the same network segment as the Router, and enter the router's IP address in the browser to configure the Router series.

3.1 Web Login

Enter the default IP address of the Router in the browser, as shown in Figure 3-1-1.

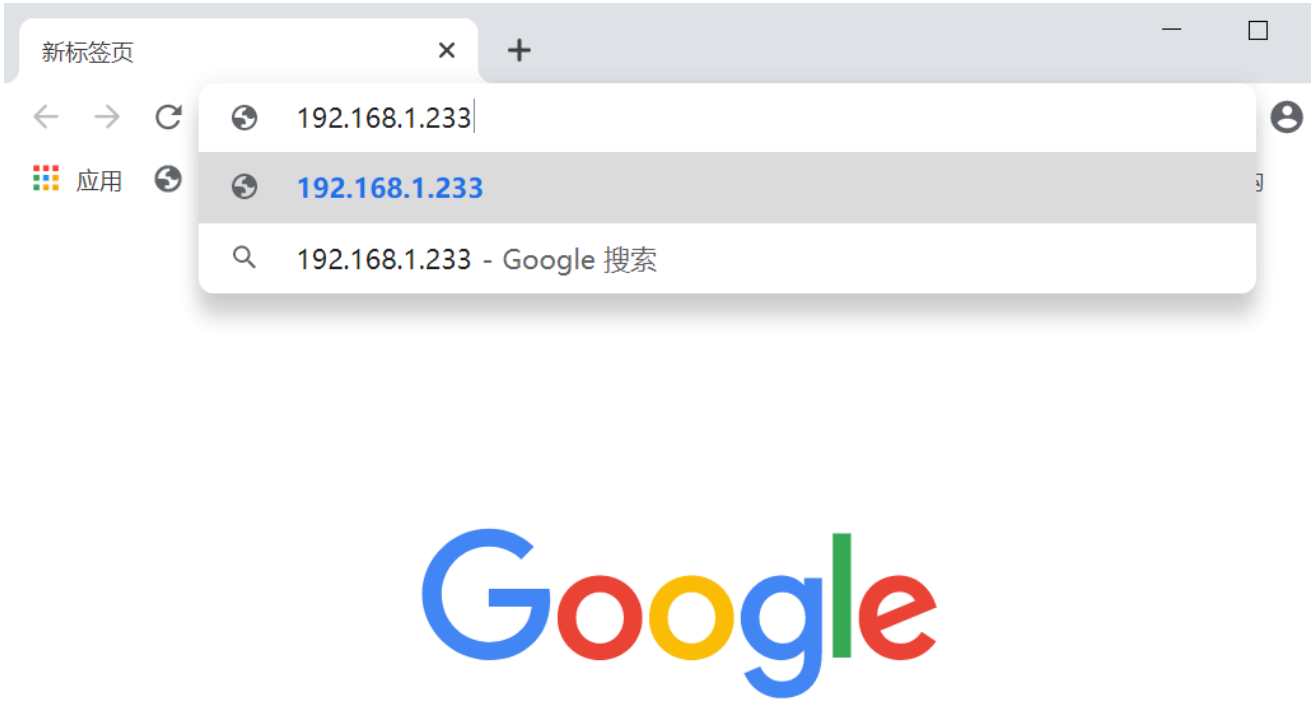
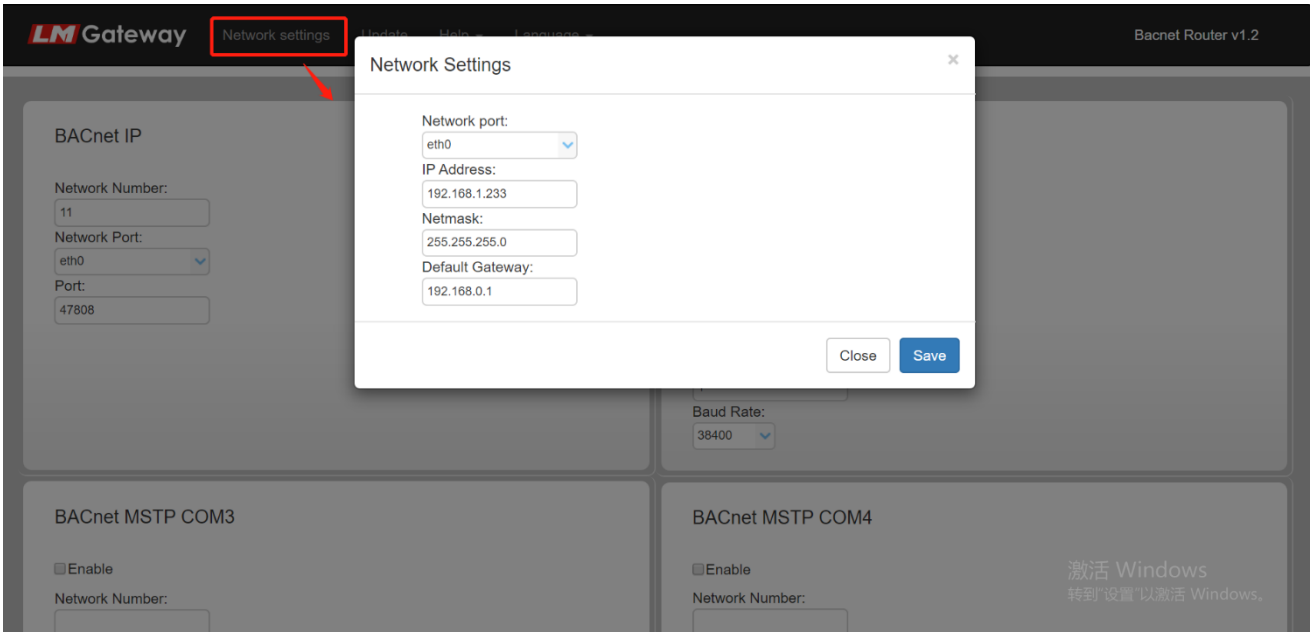


Figure 3-1-1

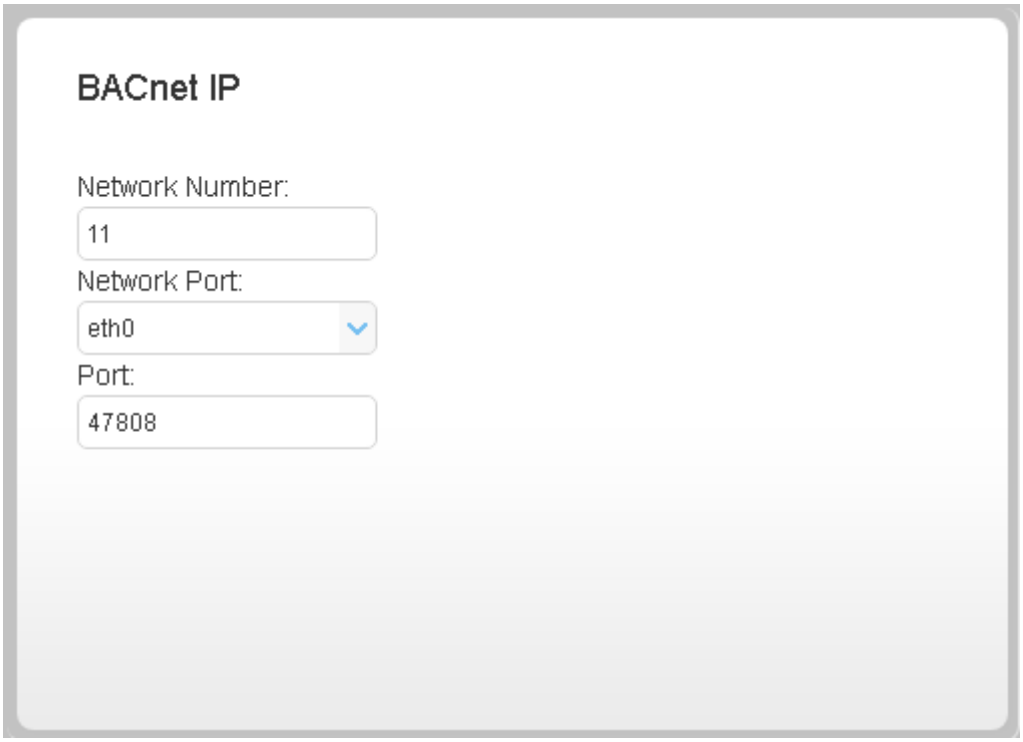
3.2 Network settings

Set the IP address, netmask and default gateway. Click the save button to take effect immediately.



3.3 BACnet IP

- Configure a unique network number on the BACcet network (1 to 65534)
- Bound network port (eth0), which will provide BACnet IP services
- The default port number of BACnet IP is 47808 (0xBAC0). you can configure other port numbers (1 ～ 65534).



3.4 BACnet MS/TP

You can enable 2 MSTP links, which are controlled by the Enable check box. They are used on the configuration page:

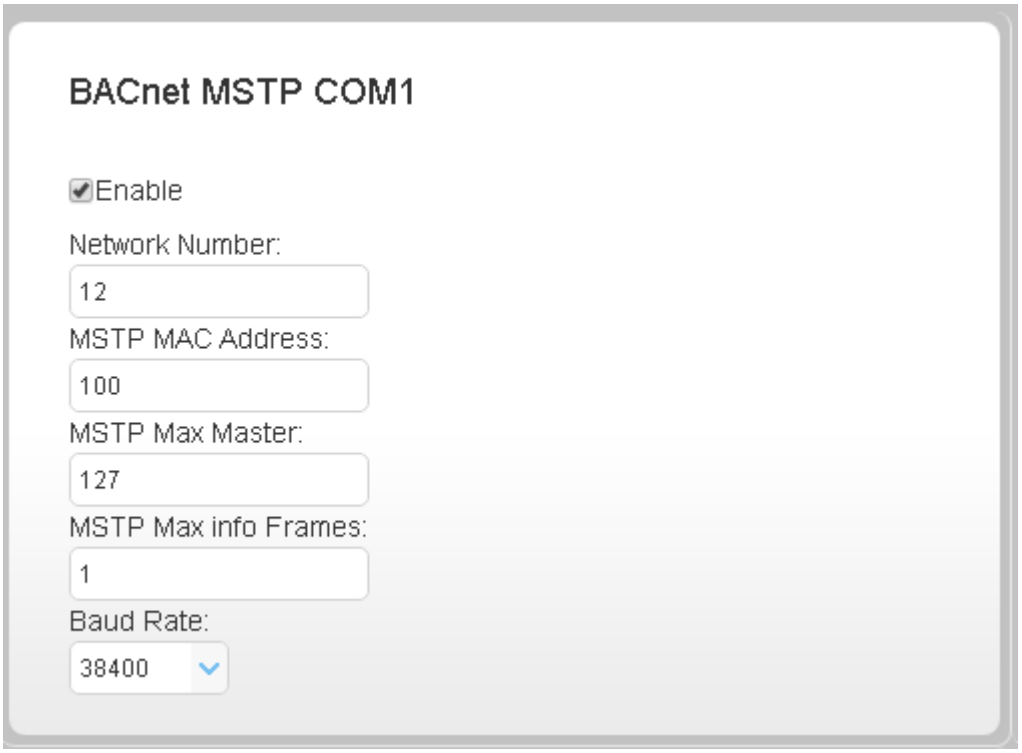
- BACnet MS/TP COM1
- BACnet MS/TP COM2

Parameter configuration:

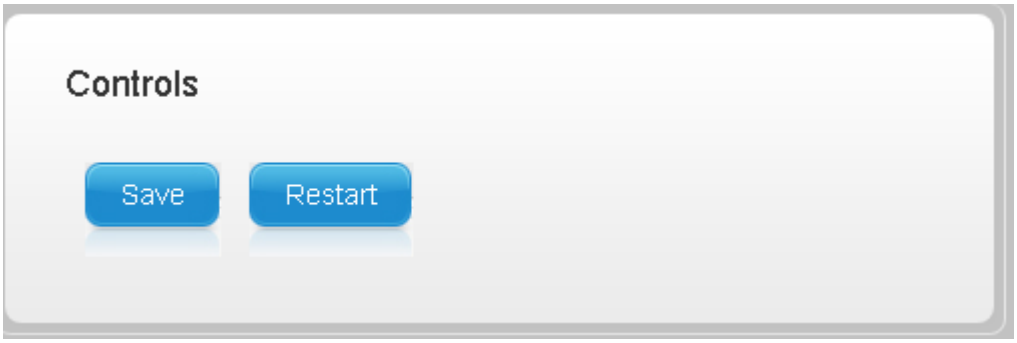
- Configure the unique network number (2 ～ 65534) in the BACcet network. It is recommended to use a network number greater than 10.
- MSTP MAC address (0 ～ 127), BAcnet routing uses the MAC address 127 by default, and the MAC addresses on the RS485 link cannot conflict
- MSTP Max Master Address: Default 127
- MSTP Max info Frames (1 to 10): Default 1

  The maximum number of messages routed to the MSTP network during each token pass.

- Baud rate (9600, 19200, 38400, 57600, 76800, 115200), refer to MSTP link communication configuration

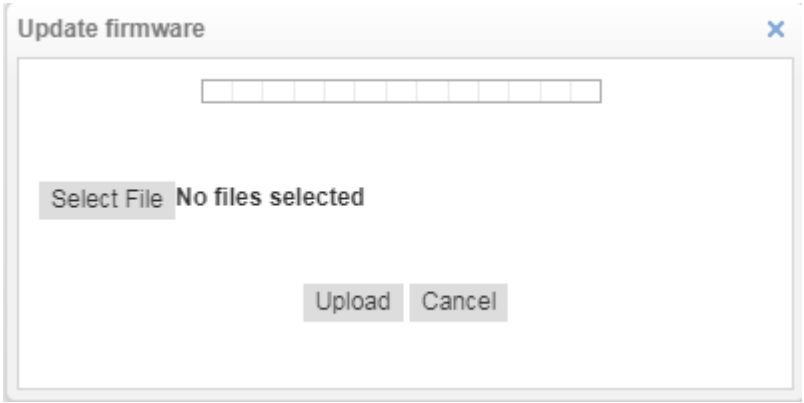


3.5 Save the configuration and restart the BACnet route to take effect



3.6 Firmware Upgrade

Firmware upgrade for BACnet routing. The upgrade package is a compressed file and can be used directly without decompression.



4 Router hardware configuration

Serial port	2 RS485 / RS232 interfaces
Network port	1 Ethernet interfaces
power supply	AC / DC 9V ～ 36V
weight	170g
Shell protection	IP51
size	130mm×109mm×35mm(L×W×H)
installation	DIN rail
Power consumption	≤3W
Operating temperature Relative humidity	-40～80F 20～90％

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