

WMU-9000VPN Firmware Upgrade Guide

Note: Because of the major firmware structure change, please make sure to press the reset button for more than 5 seconds **before and after** the firmware upgrade (before login again). Please do not use configuration files from older firmware version on the new firmware.

Please do not upgrade the firmware if your router is working correctly

Software Requirement: Internet Explorer 6.0 or Netscape 7.0

Hardware Requirement: Pentium II 700Mhz, Fast Ethernet(100Mbps) adapter or better

Please disconnect all the USB devices from the router before and during the firmware upgrade (very important).

Please make sure there is no other electrical device using the nearby outlets.

If you have an UPS, please put the router on the UPS.

Please connect your PC directly to the Router through LAN port (RJ-45).

Go to Maintenance->Firmware Upgrade in the web configuration, press "Restore configuration to factory's default" to do a factory reset. The router's IP address is changed back to 192.168.1.254.

After the router restarts. Login and go to Maintenance->Firmware Upgrade again.

Choose the firmware file and start upgrading. " If you are using wireless to upgrade new firmware to your router, the web-based management page will be temporarily become inaccessible while upgrading. This is normal.

After you press the upgrade button, the router will wait for up to 20 seconds, then pop up the confirmation message to upgrade. Please wait patiently during the entire firmware upgrade. Do not close browser or power off the router.

Please check the Status LED to monitor the upgrading activity.

The Firmware upgrade is completed when the Status LED stop blinking."

Please do not close the web browser, turn off the power, or reset the router during the firmware upgrade process. Interrupting the firmware upgrade process can damage the router. After the firmware is upgraded successfully, the router will reboot itself. This might happen

before the counter is finished.

When the web page says "Upgrade Successful". Please wait for 3 minutes. Then go to the login page again. If you see the login page, it means you have upgraded successfully. Do not login yet. Please check the number 8 below.

If you are upgrading from version .41 or older. Press the reset button for 5 seconds again after successful firmware update.

After successful firmware upgrade, if the router reboots itself every few seconds. Please unplug the power, and then plug it back in again. This should stop the irregular power cycling.

Release Notes:

Firmware Version: 1.01.048w

Date: 5-10-2005

1. Fix Webcam sometimes show "x" when viewing issue
2. Fix changing the remote management to https and changing the port, the UI page can't access.
3. Fix VPN pptp only can establish 3 connection .
4. WAN port information adds Gateway and DNS .
5. Adjust Service Order: server --> virture server --> DMZ
6. FTP server passive mode's port number changed to 10240 - 65535 to avoid conflict with print server port number
7. Fix some IPsec VPN issues
8. fix save config issue under HTTPS
9. fix host name table issue when input too long host name
10. fix content filter input length
11. UPnP bug when client try to remove port mapping
12. fix mail checking under IMAP
13. fix Korean display issue
14. add support DHCP-> WINS server
15. add support pptp server to provide dns & wins server
16. modify pppd related connection MRU MTU input range
17. modify WAN MTU input range
18. Fix Video recording avi issues
19. When using PPP WAN setting, add mechanism to improve retaining the same IP after reboot
20. Fix some WAN port DHCP issues

21. Fix PPPoE password issue
22. fix firmware upgrade wait too long
23. fix mail monitor bug
24. fix del access control bug
25. fix PPP related password bug
26. service add support both (TCP or UDP)
27. Add Remote Printing Capability (printing from WAN)

* Please Note that there is currently no security protection for WAN printing

* Please do not use it unless you accept the security risk

(Instruction Below):

Go to the "Printer" menu, Enable printer server from WAN

Set the "Accept printing jobs from LAN and WAN" function.

Open virtual port 9100~9104 to the router's LAN IP address(default: 192.168.1.254)

Setup your remote PC according to the instruction on the user's guide. However, set the

Print Server's IP address to the WAN IP address of the router.

28. Add IPsec DPD (Dead Peer Detection)

The IPsec DPD adds KeepAlive and Timeout function to check the tunnel status for auto reconnection

The firmware adds 2 new fields to the IPsec VPN setup:

KeepAlive: The time is in seconds. The KeepAlive defines how often the router will send packet to check the status of the tunnel.

Timeout: The time is in seconds. The timeout defines how long the router will wait for a response from remote VPN router before it will re-establish the tunnel. This value has to be larger than the KeepAlive value. The actual timeout value is (DPD Timeout minus DPD KeepAlive). Therefore, if the KeepAlive is set to 120 seconds. And you want the actual timeout to be 20 seconds. You should set the DPD Timeout value to 140

Release Notes:

Firmware Version: 1.01.044w

Date: 11-29-2004

Do not use configuration from previous firmware version

Changes:

Complete revamp of the QoS function

Add Video Login (only show video page after login, the default password is "admin")

German UI (turn it on from "Maintenance -> Language" on the left menu bar)

Korean UI (turn it on from "Maintenance -> Language" on the left menu bar)

Fixed FTP Read only issue

Fix Video email notification with MS IIS Exchange server

Release Notes:

Firmware Version: 1.01.043w

Date: 10-15-2004

Can use configuration file from .42w firmware.

Changes:

- 1.Add FQDN auto detection for IPsec VPN
- 2.Fix QoS performance issue
- 3.Fix login password security issue
- 4.Update warning message for wireless upgrade
- 5.Add VPN log
- 6.Fix UPnP issue

Release Notes:

Firmware Version: 1.01.042w

Date: 9-9-2004

Changes:

- 1.add AES encryption to IPsec VPN
- 2.fix login recycle issue
- 3.fix webcam's send picture issue
- 4.modify DHCP server
- 5.Fix Class-A IP issue
- 6.Fix SMTP authentication for mail captured images.

Release Notes:

Firmware Version: 1.01.040

Date: 8-4-2004

Changes:

add support for Dynamic DNS IPsec VPN

modify pppoe on demand function (idle time only detect outgoing packet, but will survey the FTP and remote management activity before disconnection)

modify the priority of DMZ function. Now, virtual server settings can co-exist with DMZ host.

modify send mail program of motion detection

modify the virtual server setting to input of both one port and the range.

Firmware Version: 1.01.039

Date: 6-17-2004

Changes:

1. Adds PPPoE idle timeout and dial-on-demand function
2. On Interface->WAN->WAN information, add disconnect and connect button for PPPoE
3. Adds ISP support for Holland @home and Austria's iNode

4. Fix Access Control issue
5. Add support for the new Logitech QuickCam Zoom

Firmware Version: 1.01.038

Date: 5-18-2004

Changes:

1. Correct HEX WEP encryption problem
2. Correct some IPsec and PPTP VPN issues.
3. Improve wireless performance
4. correct wireless DHCP issue.

Firmware Version: 1.01.037

Date: 5-10-2004

Changes:

1. Add Firmware Upgrade Power Protection
2. Add auto check Quickstart values.
3. Fix PPTP ISP connection issue.
4. Add auto restart after LAN IP address change.

Firmware Version: 1.01.036

Date: 4-27-2004

Changes:

1. Fix the power reboot problem
2. Improve wireless stability.
3. Change default MTU/MRU to 1463