



## XBR-2300

### Firmware Version 1.0.5.11

#### New Features and Settings

- Moved PPTP Server to default option under VPN  
This allows for faster identification of VPN Server settings and configuration.
- Updated messaging for the Dynamic DNS options to require Domain Information  
This resolves a common misunderstanding in the interface that resulted in incorrect DDNS configuration.

#### Issues Resolved

Issue 1 — Severity: High

Dynamic DHCP Leases on WAN ports missing IP Address and Subnet Mask  
When connected to certain Internet providers, the XBR-2300 would lose critical WAN IP settings. It was found that after the WAN IP Address and Subnet Mask information was lost, the router would still show a "Connected" status, but would not pass WAN traffic. With 1.0.5.11 the Dynamic client on the WAN ports checks for valid information in the WAN IP Address, Subnet Mask, Default Gateway, and DNS Server fields. If any field is missing a valid entry, a new DHCP request is issued until the conditions are met.

Issue 2 — Severity: High

WAN Port status stuck in Connecting status when VPN Client is enabled  
Connection information was left blank on all connected WAN ports regardless of the Connection Type selected. The priority of the VPN Client has now been updated to allow the WAN ports to establish a connection before allowing the VPN Client to attempt a re-connect operation.

Issue 3 — Severity: Low

Google Chrome causes user to be logged out of the XBR-2300  
A recent update to the Google Chrome Web Browser caused navigation issues within the Web Management interface of the XBR-2300. This would cause the selection of any expandable menu in the interface to log the user out of the Management interface. Firmware has been updated to fully support the current version of Google Chrome.

### Firmware Version 1.0.5.9

#### New Features and Settings

- Added a Description field for all Port Forwarding rules  
Allows for identification of the Port Forwarding rule as well as the target device
- Added an Update button and process for the Dynamic DNS configuration  
Allows for real time testing of the DDNS update process
- Updated Time Server settings  
The Time Server settings are now set by default to check once daily and leverage the time.nist.gov server which has proven to be more reliable.

### Upgrade Instructions

- [Click here for upgrade instructions](#)

### Downloads

#### Current Version:

- [XBR-2300 Firmware Version 1.0.5.11](#)

## Issues Resolved

### Issue 1 — Severity: Medium

Static DHCP Leases were being overridden by Preferred IP settings on the Client Device. Devices that had already connected and received a DHCP Address from the XBR-2300 would not update correctly if a Static Lease was configured with an IP Address other than the initial IP received. The issue was caused by the DHCP Server placing a higher priority on the Preferred IP Address than on the Static Lease configured in the DHCP server.

### Issue 2 — Severity: Low

NAT Connection Limits were not being applied.  
NAT connection limits could be set on the XBR-2300 but were not being enforced.  
All NAT limitations are now being enforced for all specified IP Addresses.

### Issue 3 — Severity: Low

DHCP Server will not issue configured Secondary DNS server.  
When client devices were assigned IP and DNS Address information, the router was only issuing the Primary DNS server. The router has been updated to now issue the configured secondary DNS server.

### Issue 4 — Severity: Low

WAN Connections would not configure the Secondary DNS server in Dynamic IP Mode.  
When connecting to the ISP, the WAN ports were not saving the Secondary DNS Server IP and applying that to the connected WAN port. This has been resolved for both WAN1 and WAN2 running in Dynamic IP Mode.

### Issue 5 — Severity: N/A

Progress bar for Configuration Restore and System Reboots hanging.  
When performing certain tasks, the progress bar in some Web Browsers would hang and not allow the auto refresh of the router's Management Web Page. This has been resolved.

## Firmware Version 1.0.5.7

### New Features and Settings

- Added a new field for "Virtual VPN Server IP Address"

### Features and Settings Summary

Adding the Virtual VPN Server IP Address field helps stabilize Router to Router VPN tunnel connections, while also resolving issues associated with unstable client connections.

## Issues Resolved

### Issue 1 — Severity: Low

Use of the IP-MAC Binding feature caused the DHCP Server to go offline.  
When enabling IP-MAC Binding, the Connected Clients data does not load and the Static Leases page does not load. When leaving the Static Leases page, user is logged out of the XBR-2300 and must log in again. Also, the DHCP server does not issue IP Addresses to client devices. All of these issues have been resolved.

### Issue 2 — Severity: Medium

WAN2 connection speeds are throttled to 2.5Mbps.  
Connection speeds on WAN2 are throttled to 2.5Mbps even after updating the Upstream, Downstream and MTU settings. Resolution of this issue also automatically resolves performance issues associated with Load Balanced WAN1 and WAN2 connections.

### Issue 3 — Severity: Medium

VPN Client does not reconnect after losing connection to the VPN Server.  
If connection to the VPN Server is lost, any XBR-2300 configured as a VPN Client does not automatically reconnect. Addition of the Virtual VPN Server IP Address has resolved this and also stabilized Router to Router VPN connections.

## Firmware Version 1.0.5.1

### New Features and Settings

- Downstream and Upstream rates are now set to 100000 by default on WAN1 and WAN2
- MTU Size now set to Auto by default on WAN1 and WAN2
- Added Port Range capability to Port Forwarding
- Modified VPN Server to target the WAN1, WAN2 or Ethernet interface to work seamlessly with Dynamic DNS Providers
- Modified the Username/Password change screen to facilitate changes
- Added Hostname option to the DHCP Static Leases
- Added the ability to choose multiple NTP servers in Time Settings
- Several message updates resolving ambiguous verbiage including, but not limited to: IP Groups, Schedule, IP Scan Threshold, Port Scan Threshold, IP MAC Binding, Port Forwarding, One to One NAT, VPN PPTP Client, Syslog, Firmware Upgrade, Policy Upgrade, Restore Factory Settings, Username/Password, etc.

### New Features and Settings Summary

Downstream/Upstream and MTU changes will allow for maximum Internet connection speeds out of the box without configuration. Port Forwarding will now support ranges for quickly entering needed ports. VPN Server will now target an interface allowing it to seamlessly use a Dynamic DNS service without having to re-enter the new address manually. Username/Password changes will allow for easier use of the change function. DHCP Static Leases will now display the Hostname in Connected Devices as well as Static Leases. Time Settings will now allow a choice of NTP server to be used.

*NOTE: Message updates have no direct link to router functionality.*

### Issues Resolved

#### Issue 1 — Severity: High

Resolved IP issues with WAN1 and WAN2 interfaces. In some systems, the router has been pulling incomplete IP information for the internet connection. This results in missing Default Gateway and DNS information and blocks the connection to the Internet.

When using certain Cable Internet modems it was found that if the modem rebooted or reacquired an IP address, the router would lose the Gateway and DNS server IP information. This causes all internet traffic to be blocked. Version 1.0.5.0 firmware has been set to reacquire IP information from the Modem when the Gateway and DNS server information is missing. This will reduce connection downtime and the need to reboot the modem or router.

#### Issue 2 — Severity: Low

Resolved issues with DynDNS.org and no-ip.com accounts. Both services can now be used to connect and update using the DDNS connection in the router.

DynDNS.org and no-ip.com accounts could not connect and update the Dynamic DNS information. Accounts from both providers will now connect and auto update through the router interface. This will allow for dynamically updated accounts without running the client software on a device on the network.

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