

Luxul Xen™ XBR-2300 Firmware Update Instructions:

1. Download the appropriate firmware file for the XBR-2300 from <http://luxul.com/downloads> and save it to your computer.



WARNING! Do not upgrade the firmware over a wireless connection or the unit may become damaged.



WARNING! Do not power off the router or the computer connected to it during the upgrade process or the unit may become damaged.

2. Using a web browser, type the IP address of your XBR-2300 (192.168.0.1) to access the management interface.

3. Login to the interface. Default user name: **admin**; Default password: **admin**

4. In the left navigation of the interface select **Status >> System** (tab) to see what version of firmware is currently being used.



NOTE: If you are upgrading from v1.0.4.3 or v1.0.5.1 to v1.0.5.11 and you have Static DHCP Leases and/or Port Forwarding rules configured, you **must** delete all Static Leases and/or Port Forwarding rules, **Save**, **Reboot**, and then re-add the Static Leases and/or Port Forwarding rules after upgrade.



NOTE: If you are upgrading from 1.0.5.7 to 1.0.5.11, you must manually update the Description field for all Port Forwarding rules configured, **Save** and then **Reboot** for full function of all Port Forwarding.

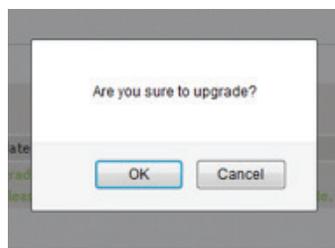
The screenshot shows the Luxul Xen management interface. At the top, there is a black header with the Luxul logo and the tagline 'Simply Connected'. Below the header, there is a navigation menu on the left with the following items: Status, Network, Internet Access, Security, Advanced, VPN, Monitor, System Tools, and Logout. The 'System' tab is selected, and the main content area displays a table of system statistics. To the right of the table are 'Refresh' and 'Help' buttons.

System	
CPU Usage	1%
Memory Usage	59%
Uptime	00:05:30
System Time	2012-06-21 07:33:08
Connected Clients	1
Firmware Version	1.0.4.3_lux_02
Bootcore Version	1.0.0.0
Hardware Version	1.0.0.0

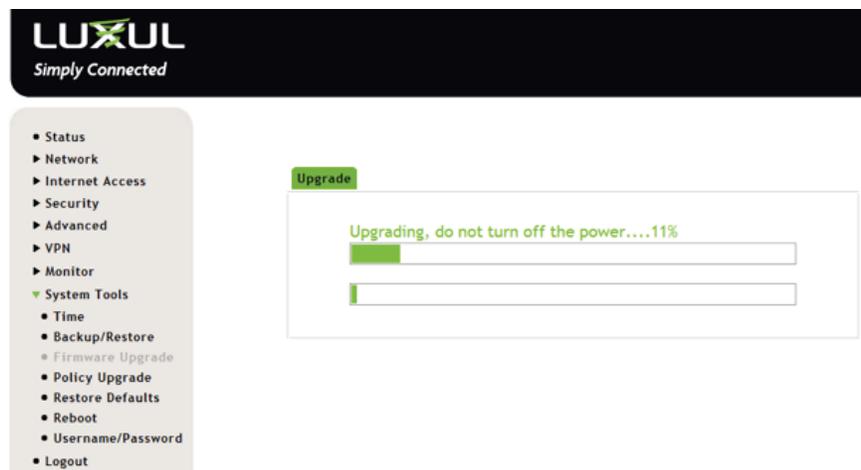
5. In the left navigation of the interface select **System Tools >> Firmware Upgrade**
Use the **Browse** button to find the file on your computer and click **Open** then **Upgrade**



6. Click Yes to confirm the upgrade



7. Once the upgrade process starts you will see two progress bars. The first shows the upload progress of the firmware file and the second shows the reboot progress



8. When the Reboot process is finished the Web Browser will be redirected to the login page. Log into the XBR-2300 and check the **Status >> System** tab once again to verify the new version of firmware has been applied.

Luxul XBR-2300 Router

Username:

Password:

LUXUL
Simply Connected

- Status
- ▶ Network
- ▶ Internet Access
- ▶ Security
- ▶ Advanced
- ▶ VPN
- ▶ Monitor
- ▶ System Tools
- Logout

WAN1 WAN2 LAN **System**

CPU Usage	0%
Memory Usage	59%
Uptime	00:03:41
System Time	2012-06-21 07:47:41
Connected Clients	1
Firmware Version	1.0.5.7_lux
Bootcore Version	1.0.0.0
Hardware Version	1.0.0.0



NOTE: Although the firmware is updated to v1.0.5.7, the Upstream, Downstream and MTU Settings will still be set at v1.0.4.3 defaults. For optimal performance, these settings need to be changed. These settings can be changed manually or automatically as per the instructions below:

Manually updating Upstream, Downstream and MTU Settings

9. Select **Network** >> **WAN** and click on the **Edit** button for WAN 1 or WAN 2 respectively (note that both ports need to be reset). Both the Upstream and Downstream values should be set to 100000 (no commas). MTU Setting should be set to **Auto**. Click **Save** and the XBR-2300 will reboot with the new settings.

LUXUL
Simply Connected

- Status
- ▼ Network
 - LAN
 - WAN
 - DHCP Server
 - DMZ
 - Access Control
 - Ethernet
- ▶ Internet Access
- ▶ Security
- ▶ Advanced
- ▶ VPN
- ▶ Monitor
- ▶ System Tools
- Logout

WAN Settings Dual-WAN Policy

WAN Port Type:

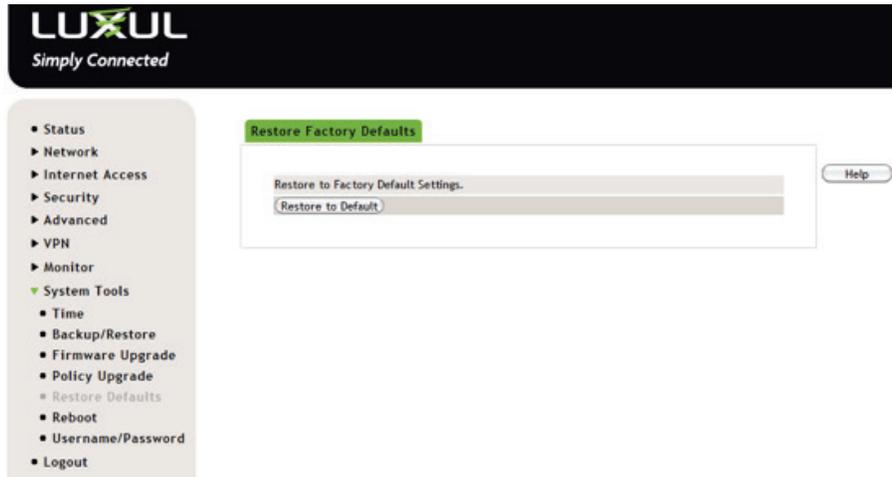
Bandwidth Upstream: KB/s Downstream: KB/s

MTU setting: Auto Manual:

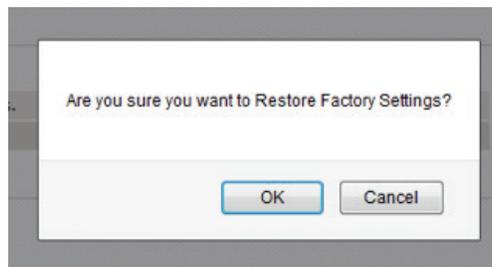
NOTE: Requires Router Restart

Automatically updating Upstream, Downstream and MTU Settings

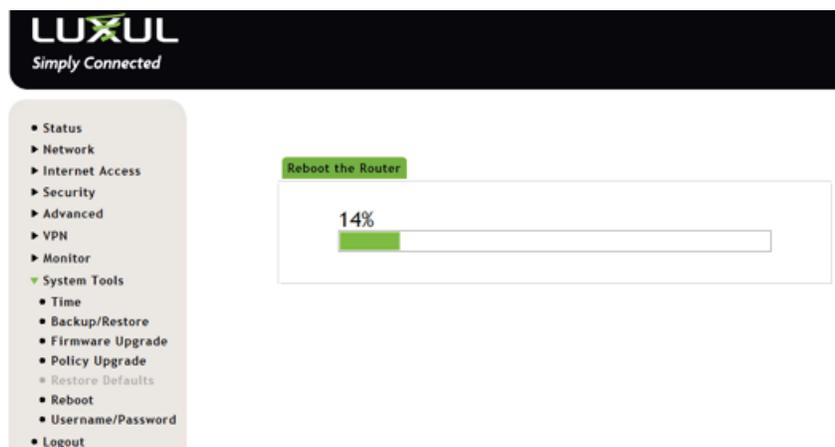
10. To automatically update the settings for both WAN 1 and WAN 2, select **System Tools >> Restore Defaults** and then click the **Restore to Default** button



11. Click **OK** when asked “Are you are sure you want to Restore Factory Settings”



12. The router will restore the default settings and then display a Reboot progress bar



13. When the Reboot is finished, you will be redirected to the login page. You can now login and verify that the settings are correct.