

Release Notes

Bandwidth Composer **v5.3.1** (16 MB Update)

General Release – May 2, 2005

Applies to BC500/BC100 & BC200 systems

Upgrade/Release Installation Instructions

See note on Scheduling upgrade below.

Your Bandwidth Composer system will need to be **running firmware release v5.2.1 or higher before upgrading** to v5.3.1. Any prior upgrades will need to be installed before upgrading to 5.3.1.

1. Telnet/SSH/Serial into Bandwidth Composer configuration interface
2. From the menu select option **9. Upgrade Firmware**
3. Select option **2. Install an Upgrade**
4. Select the option corresponding to **v5.3.1** (if you are currently at v5.2.1 or higher)
5. Follow the prompts to upgrade the firmware
6. Once the upgrade is complete, you will need to reboot Bandwidth Composer

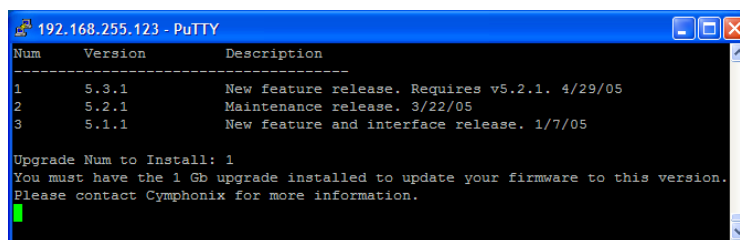
After the system has completed all updates, you will need to reboot Bandwidth Composer. On BC500 units, you can press the Red X button twice on the front LCD panel or use the configuration menu option.

On BC200 units, you must select option 4. **Hardware Reboot** through the configuration menu.

Upgrade Alerts

If you have previously setup **Cymphonix Web Filtering**, after the upgrade you will need to reconfigure the new enhanced Web Filtering capabilities outlined below.

If your system receives a **1GB Hardware Upgrade** notice (below) while attempting to install the firmware 5.3.1 upgrade, you will need to order Cymphonix Part No: BCX-1G from your authorized Cymphonix Dealer in order to utilize all of the 5.3 features.



```
192.168.255.123 - PuTTY
Num  Version  Description
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1    5.3.1    New feature release. Requires v5.2.1. 4/29/05
2    5.2.1    Maintenance release. 3/22/05
3    5.1.1    New feature and interface release. 1/7/05

Upgrade Num to Install: 1
You must have the 1 Gb upgrade installed to update your firmware to this version.
Please contact Cymphonix for more information.
```

Enhancements & Changes

Premium Enhancements* are now included in all systems but for performance reasons are disabled after install by default. In order to enable these services, Network Composer must have access to ports 80 (http), and 53 (dns) to the Internet.

New Name: NETWORK COMPOSER™

“Bandwidth Composer” is now “Network Composer.” With the addition of many new and enhanced capabilities, the Network Composer family of products optimizes network performance beyond Internet & WAN connectivity.

Spyware Protection at the Network Edge*

Version 5.3 brings **Spyware at the Edge™** technology to network administrators, providing a highly-effective solution to this growing network threat.

- Daily updates of known spyware/adware/malware sites from multiple sources.
- Active HTML scanning, detecting and blocking suspect Object tags, MIME types, & potentially harmful executables.

Web Filtering*

- **Real-Time Filtering™**, now included as a standard technology component on all Network Composer systems.
 - Uses both a URL list and real-time content analysis engine
 - Daily Updates (Uncategorized traffic is reported back for future categorization)
 - 60 recognition categories
 - Filtering options include; URL (including keywords), Category, File Type, Mime Type, Pop-Up Blocker
 - Customizable Redirect Page for blocking, bypass, other links
 - Ability to except specific users from all filtering rules

Instant Message Recorder*

New Instant Message (IM) recording allows system administrators to log IM conversations from MSN Messenger, AIM, ICQ, Yahoo IM and others.

- Updated IM specific signature recognition algorithms provide better blocking of IM traffic over the internet when that application class has been disabled.

Centralized Reporting

Distributed organizations can view and report on network usage system wide, through the web-based interface, aggregating and reporting data from multiple locations.

Fail-to-Wire/Bypass

Fail-to-Wire capability joins the network jacks on the NC500/B together within 2 seconds of power failure, system lock-up, or on command (such as during a system reboot), allowing traffic to continue passing through.

System Configuration Backup & Restore

Network Composer's system configuration and traffic data can be backed up and restored.

Expanded Reporting

New System reports now include...

- Time online reports with the estimated active surfing time
- ROI Reports, showing ongoing value of Cymphonix solution, including:
 - Spyware blocked
 - URLs blocked
- Bypass & Blocked Web Requests reports—listing bypassed Web requests and attempted requests for blocked sites.
- Additional Network and System Health Graphs

Signature Updates and Traffic Support

- New Peer to Peer clients
- Additional Custom Signatures, now with the ability to accept port ranges
- Proxy Server Support, including Microsoft ISA Server

Upgrade Availability

Network Composer Version 5.3 release upgrade is available at no additional charge for both BC500 (formerly known as the BC100) and BC200 systems. Accessing the upgrade release is available through the configuration menu.

Scheduling the Upgrade

With the installation of the new firmware release, existing data tables will be re-indexed for better performance and more accurate reports. This process may take up to several hours. During this time, the system will continue to monitor, filter, shape, and report on traffic. For best results, it is recommended however, that you **perform the upgrade during a time when the system will have several hours of non-peak traffic.**

For detailed instructions on accessing the configuration menu, see [Accessing BC Configuration Menus Guide](#) available on the Support → Downloads section of the www.cymphonix.com website.

Notes:

Use of PIX routers and fixed interfaces – When installing Network Composer into a network with PIX™ routers and/or hard-set (fixed instead of auto-negotiate) network interfaces, it is recommended that Network Composer also be hard-set. A cross-over cable is also required between the router/firewall and Network Composer. Contact Cymphonix support for detailed instructions and assistance at support@cymphonix.com or 801-938-1500 opt. 2.