

# Customer Release Notes

## Phaser® 3600

### System Software 1.70.02.40 General Release



#### Software Release Details

System Software	Version
Firmware Version	1.70.02.40

#### Important

See **“Xerox Phaser® 3600 Firmware Upgrade Instructions using CentreWare Internet Services (CWIS)”** for procedures on installing this firmware using the network.

See **“Firmware Upgrade Instructions via USB”** for procedures on installing this firmware using the local machine USB port.

#### Purpose

This release addresses the following issues:

##### Printing

- Internet Protocol version 6, or IPv6 Printing is now supported with compliance to industry standard IPv6 Ready Logo-2 certification as well as US Department of Defense compliance. IPv6 allows for vast expansion in the number of available internet addresses. **See attached setup instructions to configure IPv6 for the Phaser 3600 through CentreWare Internet Services (CWIS) or through the machine’s Local User Interface (LUI).**

**Note:** IPV6 is implemented for printing only (not network scanning).

##### Security

- Update to SNMP security to address accessibility.
- Improved changes added on the Host Access List text boxes now allow both IPv4 and IPv6 addresses to be entered. Also, multiple IP addresses can be entered separated by a comma (,), as well as use of wildcard (\*) to enable a range of IP addresses to be entered.

##### Network

- Digital Certificates are now supported for 802.1x authentication over wired connections. This allows for a more robust security validation of the server and printer device.
- Color logos and other color items would print as a solid black box from PCL drivers. Machine firmware now recognizes PCL color parameters and properly prints logos and other color parameters in Black & White.
- When print jobs were submitted outside of the native application driver (i.e. raw “X.pcl”, “X.ps” jobs) the auto emulation mode on the printer would not interpret the correct PDL type causing printing issues. This problem has now been fixed. PDL types will now be detected correctly in auto emulation mode.
- In CentreWare Internet Services (CWIS), the “Printer Name” field has been expanded up to 255 characters in length, to allow for longer naming requirements.
- In CentreWare Internet Services (CWIS), previously if you disabled Netware it would also disable SSL. Now the two features can be set independently.

## Installation Instructions

The latest drivers and utilities along with this firmware can be downloaded from the Phaser 3600 Drivers and Downloads page at the web site: <http://www.support.xerox.com>. Type your product name "3600" in the search field then select the "Drivers & Downloads" link.

**Note:** To avoid compatibility issues, it is highly recommended to use the latest drivers and utilities with this firmware. If previous versions of drivers and utilities are used, some features may not operate correctly, such as Auto Configuration and the Status Monitor.

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## IPv6 Local UI Configuration and Setup




This procedure enables the System Administrator to enable and configure IPv6 and IPv6 Filtering on the Xerox **Phaser 3600** and **Phaser 3435** printers via the machine Local User Interface (LUI). Insure your machine is at the latest firmware version that supports IPv6 prior to performing this setup.

### IPv6 Advanced Options and Dynamic Host Configuration Protocol (DHCP) Configuration

With IPv6 you can set some advance options such as:

- **Router Direct** – The IPv6 address and all DHCP options will be sent to the device as the router designates
- **DHCP Config**– the device will attempt to contact a DHCPv6 server
  - **DHCP All** – the device asks the DHCPv6 server to return a IPv6 address and all DHCP options
  - **DHCP Options only** – the device asks the DHCPv6 server to return all DHCP options but not an IPv6 address. The device will use the auto-configured IPv6 address as its IPv6 address

### IPv6 Setup Instructions

1. At your device, Press **Menu**  button on the control panel repeatedly, until you see **Network** on the bottom line of the display.
2. Press **OK** to access the menu.
3. Press the **up/down** arrow until **IPv6** appears and press **OK**.
4. Press the **up/down** arrow until **On** appears and press **OK**. Once you enable IPv6 you must select from two different advanced options. Continue at Step 5 below.
5. After selecting **IPv6 [On]** from step 4 above, you will then see **Router Direct** on the display. Press **OK** to accept that choice and press the red Clear  button to exit setup, - **OR** - if you want the **DHCP Config** option then continue to step 6.
6. Press the **up/down** arrow to see **DHCP Config**. Press **OK**.
7. Press the **up/down** arrow to select between **DHCP All** or **Options only**. Press **OK** to select the desired DHCP mode.
8. Press the red Clear  button to exit setup.

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# IPv6 Supplement: Configure IP Settings and IP Filtering



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Changes are periodically made to this document. Changes, technical inaccuracies, and typographic errors will be corrected in subsequent editions.

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# IPv6 Supplement

# 1

## Configure IP Settings

This procedure enables the System Administrator to enable and configure IPv6 and IPv6 Filtering on some Xerox WorkCentre/Phaser mono printers and Xerox WorkCentre/Phaser mono MFP products via CentreWare Internet Services (CWIS).

Check the Xerox Support Website [www.support.xerox.com](http://www.support.xerox.com) for your Xerox product to determine if it supports IPv6, and whether the firmware level loaded on your Xerox product supports IPv6. Print a Configuration Report from your Xerox device (under the Reports menu) and check the version of the firmware. If it is less than the firmware listed on the website then you need to download new firmware to enable IPv6 capabilities.

1. At your Workstation, open the Web browser and enter the *TCP/IP Address* of the machine in the Address bar.
2. Press **[Enter]**.
3. Click on the **[Properties]** tab.
4. Click on the **[Connectivity]** link.
5. Click on the **[Protocols]** link.
6. Select **[TCP/IP]** from the directory tree.
7. Scroll down the page to **TCP/IPv6 area**, for the **Protocol** click the **[Enabled]**checkbox.

### Stateless Addresses

The Link-Local Address is automatically populated.

### Default DHCPv6 (Dynamic Host Configuration Protocol) Settings

The device performs auto-address DHCPv6 configuration every time it powers up. This is used for neighbour discovery and address resolution on the local IPv6 subnet.

However, you can choose to use manual configuration, automatic configuration or a combination of automatic and manual configuration.

8. Select one of the following options:
  - **[Use DHCP as directed by a router]** - this option is fully automatic. The DHCPv6 Address will be obtained and displayed on the screen.
  - **[Always Enable DHCP]** - this option is fully automatic. The DHCPv6 Address will be obtained and displayed on the screen.

- **[Never use DHCP]** - when this option is selected, you must configure the Manual Address Options and DNS separately.

**Note:** If **[Use DHCP as directed by a router]** is selected, then skip the **Manual Address Options** section below and proceed to the **DNSv6** section.

## Manual Address Options

The device can be configured with up to 4 manual IPv6 addresses.

9. Click the **[Enabled]** checkbox for Manual Address if required.
10. The Router Prefix is derived from router advertisements. Select a router address prefix from the list supplied in the **[Router Prefix]** menu. Click **[Add]** to populate the prefix for manual entry address.
11. Enter the manual IPv6 address (interfaceID) to append to the Router prefix.

**Note:** The Host Name is populated when configured at the IPv4 screen. If you change the Host Name here it will also change it for IPv4.

## DNSv6

12. Enter a valid **[IPv6 Domain Name]**.
13. Enter an IP address for the **[Primary DNSv6 Server Address]**.
14. Enter an IP address for **[Secondary DNSv6 Server Address]**.
15. Check the box to enable **[Dynamic DNSv6 Registration]**.

**Note:** If your DNS Server does not support dynamic updates there is no need to enable DDNS.

16. Scroll down the page and click on the **[Apply]** button to save the changes. If prompted, enter the Administrator's *User ID* **[admin]** and *Password* **[1111]**, and click on **[Login]**.
17. Click on **[OK]**.

## Test Access

1. At your Workstation, open the Web browser. In the TCP/IP Address bar, enter "http://" followed by the Internet address of the machine. Then press the **<Enter>** key on the keyboard.

If you use the domain name to specify the machine, use the following format.

**http://myhost.example.com**

If you use the IP address to specify the machine, use one of the following formats depending on your machine configuration. The IPv6 format is supported on Windows Vista only. An IPv6 address needs to be enclosed in square brackets.

**IPv4: http://xxx.xxx.xxx.xxx**

**IPv6: http://[xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx]**

**Note:** If you have changed the port number from the default port number "80", append the number to the Internet address as follows. In the following examples, the port number is 8080.

**Domain name: http://myhost.example.com:8080**

**IPv4: http://xxx.xxx.xxx.xxx:8080**

**IPv6: http://[xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx]:8080**

2. Verify that the home page of CentreWare Internet Services is displayed.

The CentreWare Internet Services installation process is now completed.

**Note:** If the Accounting feature is enabled, you may be required to enter a user ID and passcode (if one is set up).

**Note:** When your access to CentreWare Internet Services is encrypted, enter “https://” followed by the Internet address, instead of “http://”.

**Note:** DHCP/DDNS: Release Registration – Allows DHCP resources to be released when the machine is powering down. This is a display-only item and shows “Enabled”.

## IP Filtering

### Overview

The IP Filtering is a security feature that allows you to control access to Internet Services. IP Filtering allows you to prevent unauthorized access by TCP/IP (Transmission Control Protocol/Internet Protocol). The IP Filtering feature provides security to the machine, by allowing you to register the IP addresses permitted to communicate with the machine.

### Enable IP Filtering

1. At your Workstation, open the web browser, enter the *TCP/IP Address* of the machine into the Address bar.
2. Press **[Enter]**.
3. Click on the **[Properties]** tab.
4. Click on the **[Security]** link.
5. Select **[IP Filtering]** in the directory tree.

### For IPv6 Filtering

6. Checkmark the **[IPv6 Filtering Enabled]** box.
7. Enter the permittable **IP Address(es)** access to the device in the following IP Address table. Enter the IPv6 address in form of CIDR convention. Prefix indicates the number of leftmost bits to be referenced.  
For example:
  - 2001:DB8:1234:215:215:99FF:FE04:D345 / 128 is used to reference a complete address.
  - 2001:DB8:1234:215:215:99FF:FE04:D345 / 64 is used to reference prefix address consisted of leftmost 64 bits only.
  - 2001:DB8:1234:215:215:99FF:: / 80 is used to reference prefix address consisted of leftmost 80 bits only.
8. Click on the **[Apply]** button to accept changes.
9. If prompted, enter the Administrator's *User ID* **[admin]** and *Password* **[1111]**, and click on **[Login]**.
10. Click on **[OK]**.