

IB-2x

Quick Configuration Guide

Network Connectivity for Kyocera Mita Printers



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Introduction

Thank you for choosing the high quality Kyocera Mita network printing products. We are sure you will appreciate the exceptional performance and low cost of ownership that are the hallmarks of Kyocera/ Kyocera Mita products.

This product is a Kyocera/ Kyocera Mita internal network interface card which may be easily installed without removing the printer mainboard. This product enables Kyocera/ Kyocera Mita printers and digital copiers to communicate over an Ethernet network with many different network operating systems, including Windows, NetWare, Macintosh, and UNIX.

This Quick Configuration Guide provides concise software configuration instructions allowing an experienced system administrator to get the IB-2x up and running quickly. For more complete instructions for configuration options not covered in this guide, refer to the IB-2x User's Manual on the CD-ROM.

CD-ROM Contents / Using the CD-ROM

Inserting the CD-ROM causes the Main Menu to be displayed. If the Main Menu is not shown automatically, run the Autorun.exe file in the root directory of the CD-ROM. This Quick Configuration Guide refers to the following utilities in the Configuration section of the CD-ROM:

Quick Setup Wizard: A wizard interface for configuring the necessary settings to get the IB-2x up and printing quickly.

Advanced Setup: Installs and runs the AdminManager program for advanced IB-2x configuration and printer monitoring.

KPrint: Installs a client port monitor for Windows 95/98 that enables TCP/IP printing via LPR or IPP to any IB-2x connected Kyocera/ Kyocera Mita printer.

In addition to the above utilities, the IB-2x CD-ROM includes the **User's Manual** in HTML format for viewing with a browser and the **Quick Configuration Guide** (this guide) in .PDF format (requires Adobe Acrobat Reader 3.0 or later). The Acrobat Reader may be installed from the CD-ROM by running Setup.exe in the appropriate language folder under the Acrobat folder.

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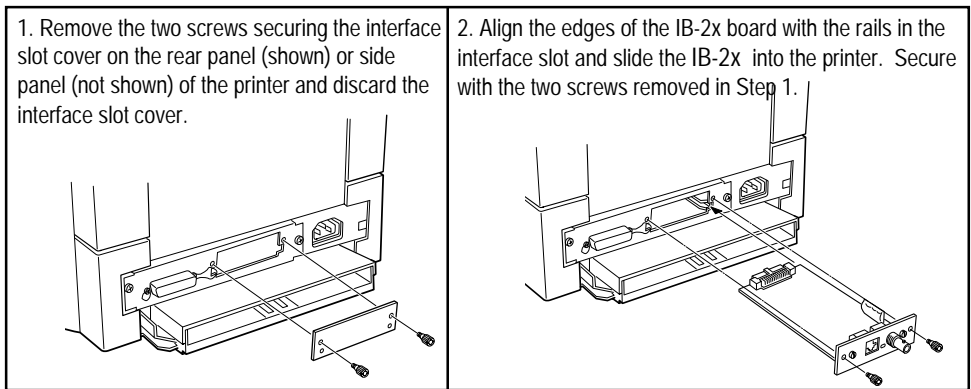
This equipment complies with Part 15 of FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Supported Connections and Models

Model	Network Connections	Supported Printers / Digital Copy
IB-20	10baseT/100baseTX/10base2	3700+, 3750, 3800, 5800C, 5900C, 6300, 6700, 6900, 7000+, 7700, and 9000; DP-1400, DP-1800, DP-2800+, DP-3600, and Ci1100; KM-4230 and KM-5230, KM-6230
IB-21	10baseT/100baseTX	FS-1000, FS-1800, FS-3800

IB-2x Hardware Installation

The IB-2x is a slide-in interface board which does not require the removal of the printer's main board for installation. These instructions describe the installation into the FS-800 but are similar for any Kyocera/ Kyocera Mita printer with the slide-in interface.



Using the Quick Setup Wizard

While the wizard is easy to use, this section provides some additional information on locating and connecting to the printer. Insert the CD-ROM and select **Quick Setup Wizard** in the Configuration section.

The printer selection screen will be displayed (see Fig 1). Quick Setup will discover printers over either IPX or IP as long as the protocol is installed on the Windows machine running Quick Setup, e.g., if only IPX is installed, then Quick Setup will find and display only IPX printers.

If a printer is not displayed on the list, an alternate method for connecting is to enter its Ethernet address in the space provided. The Ethernet address may be found on the IB-2x status page. If an IP printer is not on the local segment, then it must also have a correctly configured Default Gateway address, and the network router(s) must be configured to forward IP broadcasts.

If a printer cannot be found by Quick Setup, (e.g. IPX is not in use and IP broadcasts are not forwarded), then use a web browser or AdminManager for setup. In a web browser, IP broadcasts are not necessary since the IP address is entered directly. In AdminManager, specific networks may be defined for searching. See the *Security and Followup Management* section for more information on connecting with a web browser or AdminManager.

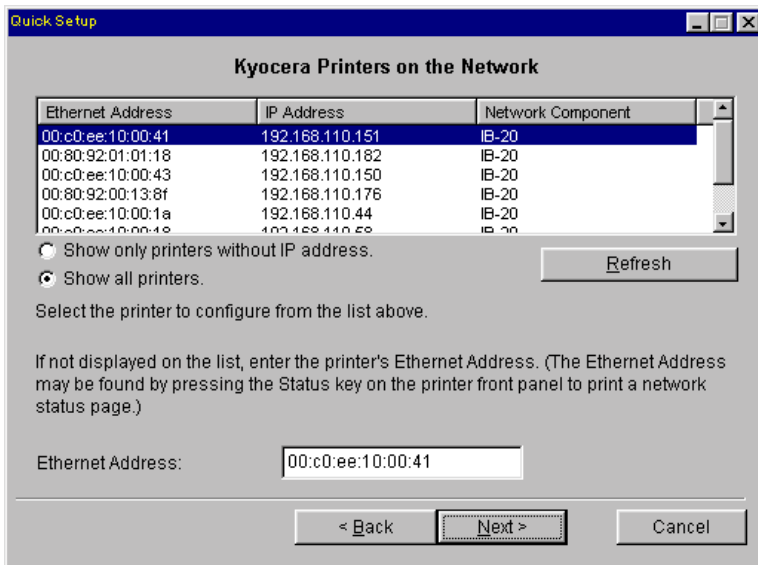


Fig. 1 Quick Setup Printer Selection

NetWare Printing

There are a number of printing options in NetWare. The following gives an explanation of the various printing methods for each NetWare version and describes how to set up printing for each method.

NetWare 3.x

NetWare 3.x supports only Bindery based printing. Two modes are supported; 1) Print Server mode and 2) Remote Printer mode.

Print Server mode (recommended): The IB-2x acts as the Print Server and polls the print queue looking for jobs to service. This mode uses a NetWare logon slot (i.e. 1 user license).

Remote Printer mode: The IB-2x acts as a Remote Printer accepting jobs from a Print Server running on a dedicated workstation or on the file server. This mode does not require a NetWare user license.

NetWare 3.x Bindery

1. Run the Quick Setup wizard on the IB-2x CD-ROM.
2. In the NetWare section choose **Bindery Setup**. All required NetWare objects are created by the Quick Setup wizard.
3. After running the wizard, wait a couple minutes then use the printer front panel to print the status pages. Check the IB-2x status page for the NetWare connection information and verify that the queue status is **Ready**.
4. Setup the Windows clients to print to the associated NetWare queue (see the *Windows Printing via NetWare* section).

NetWare 4.x and 5.x

NetWare 4.x and 5.x support NetWare Directory Services (NDS) printing. For backwards compatibility, Bindery based printing is also supported. Print Server mode and Remote Printer mode (see descriptions in the previous section) are supported for NDS, however, only Print Server mode is supported for Bindery printing.



NetWare 4.x and 5.x NDS or Bindery

1. Run the Quick Setup wizard on the IB-2x CD-ROM.
2. In the NetWare section choose NDS Setup (recommended) or Bindery Setup. All required NetWare objects are created by the Quick Setup wizard.
3. After running the wizard, wait a couple minutes then use the printer front panel to print the status pages. Check the IB-2x status page for the NetWare connection information and verify that the queue status is **Ready**.
4. Setup the Windows clients to print to the associated NetWare queue (see the *Windows Printing via NetWare* section).

Windows Printing

Windows encompasses a wide range of client versions; from Windows 3.1 to Windows 2000, and thus a wide range of printing capabilities. The various versions of Windows in combination with the IB-2x offer the network printing capabilities described below.

- > **Via Novell NetWare:** Printing to NetWare print queues when a NetWare server is present.
- > **Via LPR:** Printing to a Windows LPR spooler over TCP/IP.
- > **Via IPP:** Printing over the Internet or intranet using the Internet Printing Protocol.
- > **Via NetBEUI:** Peer to Peer printing using the NetBEUI protocol. Printers are available in Network Neighborhood.
- > **Via Windows Printer Sharing:** Printing to a shared network printer which is configured on another Windows machine.

Which Print Method to Use?

The optimum Windows printing configuration depends upon your particular environment including user and administrator experience and preferences. Generally, NetWare Print Services will be utilized when a NetWare server is present. In the absence of a NetWare server, LPR printing in combination with printer sharing is often utilized when TCP/IP is already in use. NetBEUI Peer to Peer printing is most often utilized when a centralized NetWare or Windows Print Server is not used. IPP is utilized when printing across the Internet is required.

Windows Printing via NetWare

Prior to printing from the Windows client via NetWare, the IB-2x must be configured for NetWare printing (see the *NetWare Printing* section). Once NetWare printing is configured, use the Windows Add Printer wizard (**Start, Settings, Printers, Add Printer**) to access the IB-2x NetWare print queue or printer agent. Within the wizard, select **Network** and browse the network to the IB-2x NetWare print object.

Windows Printing via TCP/IP

The following sections cover TCP/IP configuration for Windows 95/98, NT 4.0 and 2000. The IB-2x provides support for several different methods of TCP/IP printing, including the new Internet Printing Protocol (IPP) which enables printing over the Internet.



Windows 95/98 LPR or IPP

Verify that TCP/IP is Installed

Check under **Start, Settings, Control Panel, Network**. If TCP/IP is not on the list, it must be installed prior to configuring TCP/IP printing.

Configure the IB-2x IP Address

See the *IP Address Configuration* section later in this guide.

Configure the Port and Install the Printer Driver

1. Insert the IB-2x CD-ROM, select **Configuration** and run the KPrint Add Port wizard. The wizard will guide you through the port configuration.
2. Run the Windows Add Printer wizard (**Start, Settings, Printers, Add Printer**).
 - 2.1. When the wizard asks, "*How is this printer attached to your computer?*", select **Local printer**.
 - 2.2. On the list of available ports, select the IPP or LPR port which was created by the KPrint Add Port wizard.
3. Follow the prompts to complete the Add Printer wizard.
4. Use the following procedure to set the printer for sharing.
 - 4.1. Go to **Start, Settings, Control Panel, Network** and verify that **File and printer sharing for Microsoft Networks** is installed. On the same screen, click the **File and Print Sharing** button and click the appropriate checkbox to allow printer sharing.
 - 4.2. Under **Start, Settings, Printers**, right click on the printer just created with the Add Printer wizard, select **Sharing**, click on **Shared As** and enter the desired **Share Name**.



Windows NT 4.0 LPR

TCP/IP Required Components

The following steps describe how to check for and, if necessary, add the Windows TCP/IP components which are necessary for LPR Printing.

1. Check under **Start, Settings, Control Panel, Network, Protocols**. If *TCP/IP Protocol* is not in the list of Network Protocols, click on **Add** to install it.
2. Select the **Services** tab. If either *Microsoft TCP/IP Printing* or *Simple TCP/IP Services* is not in the list of Network Services, click on **Add** to install them.
3. Click on **OK** when all protocols and services have been added. If the TCP/IP protocol has just been added, Windows will prompt for the IP address and other TCP/IP parameters. The new protocols and services will not be available until the system is restarted.

Configure the IB-2x IP Address

See the *IP Address Configuration* section later in this guide.

Install the Printer Driver and Configure the Port

1. Insert the Kyocera Mita Digital Library CD-ROM included with the printer and select **Drivers** from the Main Menu.
2. On the Printer Connection dialog, select **Local**.
3. On the Select a Printer Port dialog, click on the **Add LPR Port** button.
4. In the **Name or address of server providing lpd:** field, enter the IB-2x IP address.
5. In the **Name of printer or print queue on that server:** field, enter any desired port name, e.g. LPR1, and click on **OK**.
6. If the printer is to be shared, then on the appropriate wizard dialog select **Shared** and enter the desired share name. Select any other Windows versions which you would like to automatically receive the driver when connecting to this share.



Windows 2000 Standard TCP/IP Printing

Configure the IB-2x IP Address

See the *IP Address Configuration* section later in this guide.

Install the Printer Driver and Configure the Port

1. Run the Windows Add Printer wizard (**Start, Settings, Printers, Add Printer**).
2. Select **Local Printer** and uncheck **Automatically detect and install my Plug and Play printer**.
3. Select **Create a new port** and choose **Standard TCP/IP port** from the drop down **Type** list. This will launch the Add Standard TCP/IP Printer Port wizard.
4. In the **Printer Name or IP Address** field, enter the IB-2x IP address.
5. In the **Port Name** field, enter the desired port name or accept the default.
6. After completion of the Add Standard TCP/IP Printer Port wizard, the Add Printer wizard will continue. Select the appropriate printer model.
7. After assigning the printer a name, the Printer Sharing dialog is displayed. If the printer is to be shared, select **Share As** and enter the share name. (Printer Sharing will only be available if the

File and Printer Sharing service is installed. Check under **Start, Settings, Network and Dial-up Connections, Local Area Connection, Properties.**)

8. Follow the prompts to complete the Add Printer wizard.
9. If you have selected the printer for sharing and would like other Windows versions to automatically receive the correct printer driver when connecting to the printer share, then use the following procedure:
 - 9.1. In the Printers dialog, right click on the printer just created with the Add Printer wizard and select **Sharing**.
 - 9.2. On the Sharing tab, click **Additional Drivers** and select the drivers to associate with this printer.



Windows 2000 IPP Printing

Windows 2000 offers printing via the Internet Printing Protocol (IPP). IPP is most often used for printing across the Internet but may be used for intranet printing as well.

Configure the IP-2x IP Address

See the *IP Address Configuration* section later in this guide.

Install the Printer Driver and Configure the Port

1. Run the Windows Add Printer wizard (**Start, Settings, Printers, Add Printer**).
2. Select **Network Printer**.
3. On the Locate your Printer dialog, select **Connect to a printer on the Internet or on your intranet** and enter the URL using syntax as shown in the following example, `http://212.74.53.19/ipp`
4. Follow the prompts to complete the Add Printer wizard.

Windows Printing via NetBEUI

Peer to Peer printing is available using the NetBEUI protocol. With this method, the printers are conveniently located in Network Neighborhood.



Windows 95/98, NT 4.0, and 2000 Printing via NetBEUI

1. The Windows machine must already be configured to use NetBEUI.
In Windows 95/98, check under **Start, Settings, Control Panel, Network**.
In Windows NT 4.0, check under **Start, Settings, Control Panel, Network, Protocols**.
In Windows 2000 check under **Start, Settings, Network and Dial-up Connections, Local Area Connection, Properties**.
2. Use the Quick Setup wizard on the CD-ROM to modify the default Workgroup (KY-NetPrinters) and Printer Name (KYxxxxxx) to the desired names.
3. In Network Neighborhood, select **Entire Network**, then open the KY-NetPrinters (or the renamed) workgroup and select the desired printer.
4. Right click on the **Printer** icon and select **Install**. This launches the Windows Add Printer wizard. Follow the prompts to complete the Add Printer wizard.

5. Printer sharing is not commonly used with NetBEUI printing, however, some admins may want to utilize sharing on NT 4.0 or 2000 to take advantage of their automatic driver download capability. For steps on setting up printer sharing, see the Windows NT 4.0 LPR or Windows 2000 Standard TCP/IP Printing instructions.

Windows Printer Sharing

Windows printer sharing involves a Windows machine functioning as a “host”. This host acts as a print server; spooling jobs sent from Windows clients to the shared printer and forwarding them to the physical printer. Any Windows machine (after 3.1) may function as either a client or a host or both. The protocols used from client to host and from host to printer do not need to be the same. For example, if a Windows NT machine is configured to share an LPR printer, clients running only IPX or NetBEUI can still send jobs to the shared printer. The NT host will accept the jobs over IPX or NetBEUI and send them to the printer over TCP/IP. This capability provides tremendous flexibility in Windows network printing architecture.

Creating a Shared Printer

Defining a Shared Printer is part of the process of adding a printer and is explained in each of the previous Windows sections.

Connecting to a Shared Printer

This section briefly describes the steps for connecting a client to a shared printer. Although slight variations exist in the procedures for Windows 95/98, NT 4.0, and 2000, such as selecting **Network printer** in 95/98 or **Network printer server** in NT 4.0, they are essentially the same and are thus combined in the following instructions.



Connect Windows 95/98, NT 4.0, and 2000 Clients to a Shared Printer

If the host is an NT or 2000 machine which has been configured to download the driver to connecting clients, then:

Run the Windows Add Printer wizard, select **Network printer** and browse the network for the shared printer. The driver will be downloaded automatically.

If the host is a 95/98 machine or the NT or 2000 host has not been configured to download the driver to connecting clients, then:

Install the printer driver from the Kyocera Mita Digital Library CD-ROM included with the printer. On the Printer Connection screen select **Network** and browse the network for the shared printer.

Macintosh Configuration

KPDL, Kyocera's PostScript compatible mode is required for Macintosh printing. KPDL is standard on many Kyocera printers, however, it is optional on the following models: FS-600, FS-680, FS-1000, FS-7000 and all LS (Japanese) models. If KPDL is installed, it will appear in the Emulation list in the following procedure and on the printer Status Page.

Setting KPDL Emulation

For all printers except the FS-600, FS-680 and FS-1000, the default emulation for the Option Interface must be set to KPDL or KPDL (Auto).

1. Press the **MODE** key. If the first line of the LED panel does not already display **INTERFACE**, press the + or - key until **INTERFACE** is displayed.
2. If the line below **INTERFACE** does not already display **OPTION** (**OPTION 2** on the FS-7000), press the **ENTER** key, then + or - until **OPTION** is displayed and press **ENTER**.
3. Press + or - until **EMULATION** is displayed. Press the **ENTER** key. A question mark will appear next to the current emulation.
4. Press + or - until **KPDL** or **KPDL (Auto)** is displayed. If the printer will be receiving only KPDL jobs, set the emulation to **KPDL**. If it will also be receiving non-KPDL jobs, set it to **KPDL (Auto)**. Press **ENTER** to set the new emulation.
5. Press the **MODE** key to exit the menu system.

Note: For digital copier front panel setting instructions, refer to the operation manual.

Naming the Printer and Setting the Zone

The IB-2x default name, e.g. **KY163479**, may be changed to a more user friendly name using a standard web browser. Connecting with a browser requires TCP/IP to be setup on the Macintosh.

1. Configure the IB-2x IP address. See the *IP Address Configuration* section later in this guide.
2. Connect to the IB-2x with a web browser by entering the IP address as the URL, e.g. `http://206.129.6.54`
3. When the IB-2x home page is displayed, select **AppleTalk**.
4. Enter the **Printer Name**. Enter the **Zone Name** if other than the default zone.
5. Click **Submit**. Once the change is accepted, select **Reset** on the navigation bar and click the **Net Reset** button. Changes will not take effect until the IB-2x is reset.

Installing PPDs and Configuring the Printer

Macintosh support for Kyocera printers is provided by the LaserWriter driver included with the Macintosh Operating System and by installation of model specific PPD files. These instructions apply to Mac OS 8 and 9 only.

1. PPD files are installed from the Kyocera Mita Digital Library CD-ROM provided with the printer. Insert the CD-ROM, open the appropriate language folder, and double click on the FS-Series Installer program.
2. Once PPD installation is complete, select **Chooser** from the Apple menu to open the Chooser.
3. Select the LaserWriter 8 driver, the **AppleTalk Zone** (if any) and the **lb-2x printer**.
4. Click on **Create**. The driver will automatically select the appropriate PPD file and will display a dialog allowing selection of the installed printer options.
5. Select installed options as necessary and confirm that the list of installed options matches the printer configuration. Click on **OK**. A desktop printer for this model will be built on the desktop. Macintosh printing configuration is now complete.

IP Address Configuration

There are many ways to configure the IB-2x IP address parameters. The easiest and most common methods are: via the Quick Setup wizard, via DHCP, and via the printer's front panel. The Windows Internet Naming Service (WINS) is often used in conjunction with DHCP and is therefore also covered in this section.

The Quick Setup wizard allows easy setup of the IP address and many other parameters. See *Using the Quick Setup Wizard* earlier in this guide.

DHCP Configuration (Dynamic Host Configuration Protocol)

DHCP provides a mechanism for delivering IP configuration parameters, including IP address, subnet mask, etc. to devices (hosts) on an IP network. DHCP alleviates the administrative burden of managing individual IP addresses.

A DHCP server processes IB-2x DHCP Discovery broadcasts and returns an IP address to the IB-2x. The DHCP server may be set up to grant an IP address for a limited time (a temporary lease) or for an unlimited time (an unlimited lease), or it may be configured with a permanent address reservation for each IB-2x.

IMPORTANT: *In a non-WINS environment, it is highly recommended to set up the DHCP server to grant the IB-2x an unlimited lease or permanent address reservation.*

Unlimited Lease or Address Reservation in Windows NT 4.0 and Windows 2000

In Windows NT and 2000, lease duration is set for a particular scope, or group of addresses. Thus, lease duration should be set to Unlimited for the scope to which the IB-2x belongs. If this is not desired, then the IB-2x should be defined as a Reserved Client.

A Reserved Client may be added with the Windows DHCP Manager by selecting **Scope** and then **Add Reservations**. Enter the IB-2x Ethernet address (do not enter the colons, e.g. 008092a371d8), the IP address and other IP parameters. The Ethernet address may be obtained from the IB-2x Network Status Page.

Disabling DHCP

If IP address assignment with DHCP is not desired, it may be disabled using the Quick Setup wizard, the printer front panel, a web browser, or several other methods.

IMPORTANT: *Note, however, that DHCP IS AUTOMATICALLY DISABLED when the IP address is set using any other method such as the Quick Setup wizard, printer front panel, etc.*

WINS (Windows Internet Naming Service) Configuration

WINS is used by Windows NT to provide a mechanism for mapping the NetBIOS name, commonly referred to as host name, to an IP address. WINS requires an NT or 2000 server to be configured as a WINS server.

WINS enables defining a printing configuration which references the printer by its name rather than by its IP address. Thus, even if the printer IP address is changed via DHCP, the printing configuration will still be valid and printing will continue uninterrupted. Another advantage of WINS is that a new printer may seamlessly replace an old printer simply by, 1) giving the new printer the same host name as the old printer, or 2) modifying the Windows LPR port configuration for the old printer with the host name of the new printer.

WINS Registration and Naming

The IB-2x must be given the address of the primary WINS server where it will register its host name. It may optionally be given the address of a secondary WINS server. The DHCP server is often setup to provide the IB-2x with its host name and the WINS server addresses. Refer to your DHCP server documentation for the proper setup procedures. Alternatively, the host name and WINS server addresses may be configured using a web browser or the IB-2x AdminManager utility. See the *Security and Followup Management* section later in this guide for information on using these utilities.

WINS registration may be verified by printing the IB-2x Network Status Page. Once the IB-2x has successfully registered with a WINS server, the WINS Status will show as *Registered* in the TCP/IP section.

IP Address Setup with the Printer Front Panel

The following procedure applies to Kyocera/Kyocera Mita printers. For digital copier front panel setting instructions, refer to the operation manual.

1. Press the **MODE** key. If the first line of the LED panel does not already display INTERFACE, press the + or - key until INTERFACE is displayed.
2. If the line below INTERFACE does not already display OPTION (OPTION 2 on the FS-7000), press the **ENTER** key, then + or - until OPTION is displayed and press **ENTER**.
3. Press the > key to enter the Option submenu. (Note: Not all printers or firmware versions support front panel setup. If there is no Option submenu or not all choices are available on the submenu, please check the firmware requirements listed in the following section.)
4. Press + or - until TCP/IP is displayed. Press the > key to enter the TCP/IP submenu (only accessible when the TCP/IP protocol is On).
5. Press + or - until IP Address is displayed. Press the **ENTER** key and a cursor will appear under the last digit of the IP address.
6. Press the < or > key to move the cursor to the desired digit to change. Press + or - to change the value of a digit.
7. Once all digits are set as desired, press the **ENTER** key to accept the new address.
8. Repeat steps 5 - 7 for Subnet Mask and Default Gateway (the router's IP address). If unsure of the correct Subnet mask and the first number in the IB-2x IP address is from 192 to 254, then use 255.255.255.0 as the Subnet mask.
9. When all settings for IP Address, Subnet Mask, and Default Gateway are completed, press the < key to return to the Option submenu (TCP/IP is displayed).

Note: It is recommended to turn off protocols that are not in use.

10. *Optional:* Press + or - to display the protocol to turn off, e.g. EtherTalk. Press the **ENTER** key and a ? will appear next to On. Press + or - to toggle the value to Off and press **ENTER** to accept the new value. Repeat for each protocol to turn off.
11. When completed, press the **MODE** key to exit the menu system.
12. Press the **STATUS** key to print a status page and verify the new settings.

Front Panel Setup Firmware Requirements

Following are the printer firmware levels required for front panel setup capability. The firmware level of the printer is listed as Software version on the printer status page.

FS/LS-800 version 38.01 or later

FS/LS-1700+ version 40.00 or later

FS/LS-7000 version 25.07 or later

FS/LS-3700+ version 32.02 or later

FS/LS-1000, 1200, 1750, 3750, 5800C, 5900C, 6300, 6700, 6900, 7000+, and 9000 all versions.

DP-1400, DP-1800, DP-2800+, DP-3600, Ci1100, KM-4230, and KM-5230, KM-6230 all versions.

IP Address Persistence

When the printer is turned off and back on will the IB-2x retain its IP address?

Temporary: If a temporary lease is obtained from a DHCP server, then the IP address is temporary. That is, when the printer is turned off and back on, the IB-2x does not begin using its IP address until it has negotiated with a DHCP server. Thus, if a DHCP server is not available, the IB-2x will not have an IP address. This is necessary to prevent IP address conflicts in a DHCP environment.

Permanent: If an unlimited lease or address reservation is obtained from a DHCP server, or if set by any method other than DHCP, then the IP address is permanent. That is, when the printer is turned off and back on, the IB-2x will begin using its assigned IP address.

Security and Followup Management

While this guide focuses on the initial configuration of the IB-2x, this section is included to give a brief explanation of security and available options for ongoing IB-2x management.

Password Security

An Admin password is used to control unauthorized modification of IB-2x settings. The factory default is a blank Admin password. Unless an Admin password is defined, anyone with access through a web browser or any of the IB-2x utilities may change the IB-2x settings. Therefore, defining an Admin password is recommended.

WARNING: If the Admin password is forgotten, the only way to recover is to reset the IB-2x back to its factory default condition (by using a jumper setting as described in the User's Manual).

Web Browser

If the IB-2x is used on a TCP/IP network and has a valid IP address, it may be managed from any web browser. The browser allows full configuration of all IB-2x settings, however, unlike the Quick Setup wizard, the browser cannot create NetWare print objects. If a browser is used for NetWare configuration, then NWAdmin must also be used to create the NetWare print objects.

Connect to the IB-2x with a web browser by entering the IP address as the URL, e.g. `http://206.129.6.54`

The home page displays basic information about the printer and the IB-2x as well as the current status of the printer and the current printer front panel display. Click the Refresh button to update the printer LCD display.

Select a category from the navigation bar on the left to view and set values for that category. If the IB-2x Admin password has been set, you will be prompted to enter it when accessing any of the screens other than the home page. If no Admin password has been set, access to all other pages is unrestricted. The Admin password may be defined on the Security tab.

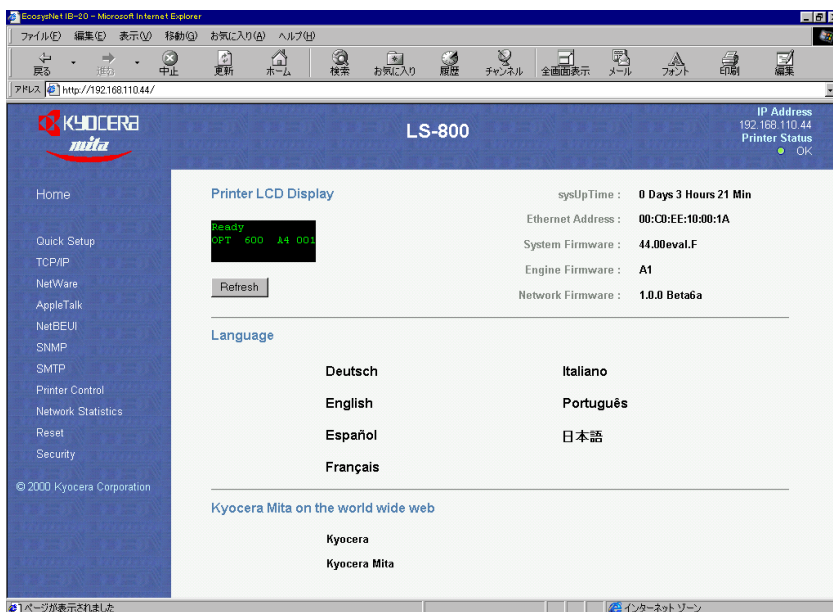


Fig. 2 IB-2x Home Page

Quick Setup Wizard

The Windows-based Quick Setup wizard is designed for fast and easy initial configuration. It does not include all possible IB-2x settings, however, for changing the basic settings, it is also convenient for followup configuration. For more information, see *Using the Quick Setup Wizard* earlier in this guide.

AdminManager

The Windows-based AdminManager utility may be used in either an IP or IPX environment to fully configure any of the IB-2x settings. AdminManager may be installed or run from the IB-2x CD-ROM by selecting **Advanced Setup** from the Configuration menu.

Kyocera Mita PrintMonitor

Ongoing printer management and monitoring is often done with the Windows-based Kyocera Mita PrintMonitor programs. Kyocera Mita PrintMonitor allows advanced grouping, filtering, and sorting of multiple Kyocera/ Kyocera Mita and other vendor printers. It provides several options for notification of printer warnings or errors and may be used to view or modify a wide variety of printer and IB-2x settings. Kyocera Mita PrintMonitor is available on the IB-2x CD-ROM.

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