



**USING THE FIERY X12/
FIERY X40 ADVANCED
CONTROLLER INTERFACE KIT**

Part Number: 4501XXXX

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Using the Fiery X12/Fiery X40 Advanced Controller Interface Kit

Introduction

This document describes how to install the Advanced Controller Interface kit upgrade in order to connect a monitor, keyboard, and mouse to a Fiery X12 or Fiery X40. In addition to connecting the monitor, keyboard, and mouse to the back of the Fiery X12/Fiery X40 you will also need to replace the BIOS chip installed on the motherboard.

Along with this document, this kit includes:

- Advanced Controller Interface BIOS chip
(includes an additional socket mount in case pins are bent during installation)
- Monitor, keyboard, and mouse (provided separately)

In order to use this kit, you need to:

- Access the Service menu and select Install Option
- Shut down the Fiery X12/Fiery X40 and remove the side panel
- Replace the BIOS chip on the motherboard
- Reassemble the Fiery X12/Fiery X40
- Connect the monitor, keyboard, and mouse to the back of the Fiery X12/Fiery X40
- Power on the system

NOTE: If you are installing more than one kit that required a BIOS upgrade, you will need to go through the BIOS upgrade procedure for each BIOS chip included. The order in which you install and upgrade the BIOS chips does not matter.

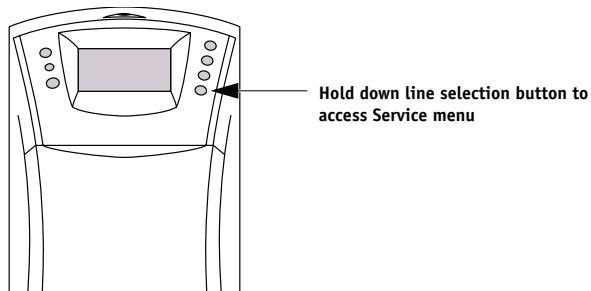
Using the Fiery X12/Fiery X40 Advanced Controller Interface Kit

Procedures

Before you replace the BIOS chip you need to access the Service menu in order to begin installation.

TO ACCESS THE SERVICE MENU FROM THE CONTROL PANEL

1. Select Shut Down and then Reboot System from the Functions menu.
2. While the Fiery X12/Fiery X40 is running the startup diagnostics, hold down the fourth line selection button on the Control Panel to access the Service menu.



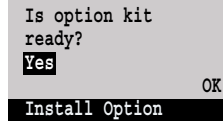
If you do not press the fourth line selection button before the end of the diagnostics, the Fiery X12/Fiery X40 continues startup and you must restart the system and try again.

3. At the Service menu select Install Option.



Procedures

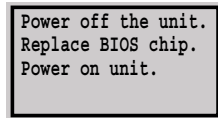
4. At the next screen, select **Yes** and then **OK** to begin installation.



Processing is displayed on the screen. Do not power off the system at this point; doing so may damage the BIOS chip making it difficult to boot the Fiery X12/Fiery X40.

Once the system is finished processing a screen is displayed indicating it is now safe to power off the system and replace the BIOS chip with the one provided in this kit.

5. At the following screen power off the Fiery X12/Fiery X40 using the power switch on the back panel (press 0).



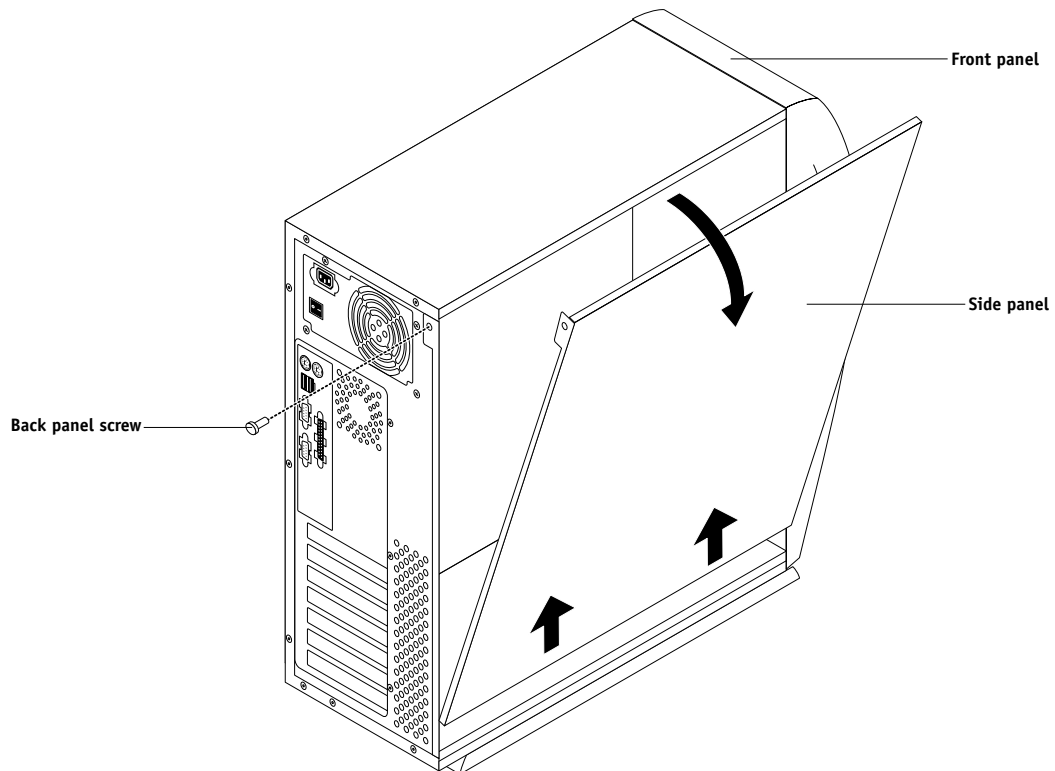
6. Disconnect all cables from the back of the Fiery X12/Fiery X40.

Always obtain permission from the network administrator before you take the Fiery X12/Fiery X40 off the network.

Using the Fiery X12/Fiery X40 Advanced Controller Interface Kit

TO OPEN THE FIERY X12/FIERY X40

1. Make sure you have powered off the Fiery X12/Fiery X40 and removed all the cables from the back.
2. Remove the screw from the back panel and set it aside (see below).
3. Grasp the side panel at the top on both sides and gently pull it away from the tray.
4. Lift off the side panel.



5. The Fiery X12/Fiery X40 internal components are now accessible. Attach an ESD wrist strap before handling internal parts.

NOTE: It is easier to service components inside the tray if the Fiery X12/Fiery X40 is positioned so that it is resting on its side and the components inside the tray are facing up.

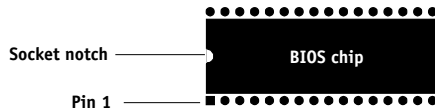
Procedures

TO REPLACE THE BIOS CHIP

The BIOS chip is located in socket U8 on the motherboard. The BIOS chip contains boot information, such as the startup diagnostics that the Fiery X12/Fiery X40 uses when you power on the system.

1. **Locate the BIOS chip on the motherboard (socket U8).**
2. **Using a PROM extractor, remove the BIOS chip from its socket on the motherboard.**
3. **Insert the BIOS chip provided in this kit into the socket so that the notch in the chip is aligned with the notch in the socket.**

The BIOS chip is shipped in a socket mount that helps prevent pins from bending when installing the BIOS chip into the socket on the motherboard. If you notice any bent pins, straighten them gently with a pair of needlenose pliers. An extra socket mount is also provided in this kit in case any pins break during installation.

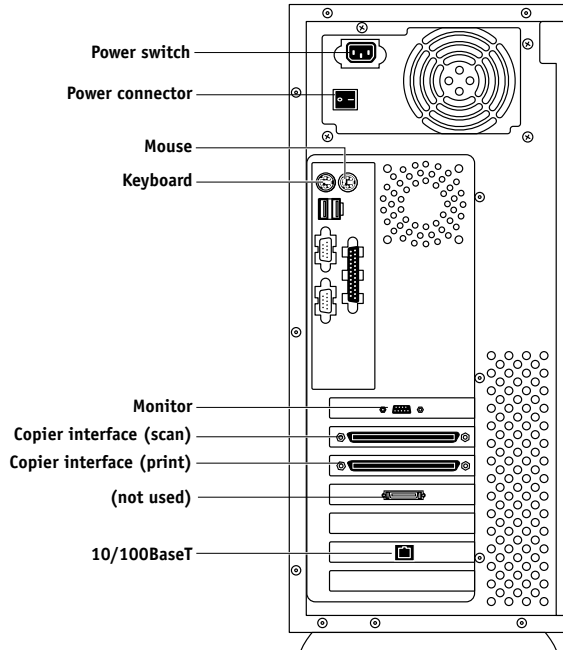


4. **Reassemble the Fiery X12/Fiery X40 and complete installation (see page 6).**

Using the Fiery X12/Fiery X40 Advanced Controller Interface Kit

TO REASSEMBLE THE FIERY X12/FIERY X40

1. Reseat all boards, cables, connectors, and other parts loosened or removed during inspection or service.
2. Place the Fiery X12/Fiery X40 in its standard operating position.
3. Place the side panel onto the Fiery X12/Fiery X40 so the grooves on the bottom of the side panel fit into the grooves in the tray.
Be careful not to damage any ribbon cables; if necessary, fold the ribbon cables inside the tray before replacing the side panel.
4. Close the side panel. Two clips on the top edge of the panel will click when it is properly installed.
5. Replace the screw that secures the side panel.
NOTE: Do not leave the Fiery X12/Fiery X40 side panel off after servicing. An airflow channel is created by the side panel and the fan. Leaving the Fiery X12/Fiery X40 open could reduce the operational life expectancy of internal Fiery X12/Fiery X40 components.
6. Connect any cables removed during service to the back of the Fiery X12/Fiery X40.
7. Connect the monitor, keyboard, and mouse to the back of the Fiery X12/Fiery X40.



8. Connect the monitor power cable to the back of the monitor (some monitors may already have this cable attached).

Procedures

9. **Connect the other end of the monitor power cable to a wall outlet.**
10. **Once all the cables are connected to the back of the, power on the monitor and the Fiery X12/Fiery X40.**
11. **Once the Control Panel screen indicates that the upgrade is complete, press any key on the Control Panel to reboot the system.**

If the screen indicates that the system was not upgraded, check to make sure you installed the correct BIOS chip on the motherboard. If the screen still indicates that the system was not upgraded, restore the previous configuration and contact your service support center.

