

A Remove Existing FiOS Equipment

Before installing your new FiOS Router, you must **disconnect your old router and all connected devices**, including the Motorola NIM (if connected to your existing router). Don't forget to remove all of the router components including power supplies and all cables because they will **NOT** work with your new FiOS Router. The photos below include some examples of connected devices that must be removed before installing your new FiOS Router.



NOTE: Verizon FiOS TV subscribers will be unable to use the Video On Demand, Pay Per View, Widgets, Search Media Manager or receive updates for the Interactive Media Guide until the new FiOS Router installation is completed. Once installation is completed, the features will be restored and available for use.

B Connect to the FiOS Router

Step 1 Connect the **Coax Cable** previously connected to your NIM to the **Red Coax Connector** on the back of the FiOS Router.

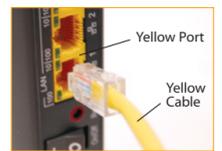
Alternate - Connect one end of the **Coax Cable** to your **Coax Port** and the other end to the **Red Coax Connector** on the back of the FiOS Router.

Step 2 Read and remove the **White label** on the back of the FiOS Router. Plug the **Black Power Cord** into the **Black Port** and then into a **Wall Outlet**.

Step 3 Turn the FiOS Router **ON**. Make sure the **Power light** on the front of the FiOS Router is **SOLID Green**.

Step 4 Make sure the **LAN Coax light** is either solid or flashing **Green**. This may take a couple of minutes.

Step 5 Read and remove the **Yellow label** on the back of the FiOS Router. Plug the **Yellow Ethernet Cable** into any of the four **Yellow Ports**.



Step 6 Make sure that your computer is turned on, then plug the other end of the **Yellow Cable** into the **Ethernet Port** on the computer.

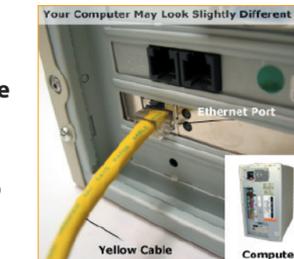
An **Ethernet Port** looks similar to a regular Phone Jack, but is slightly larger.

Step 7 Make sure at least one of the **LAN Ethernet lights** on the front of the FiOS Router is either solid or flashing **Green**. This may take a few moments.

Note: If the LAN Ethernet light does **NOT** turn green, make sure the Yellow Ethernet Cable is properly connected on both ends. Otherwise go to Question 9 of the Troubleshooting section.

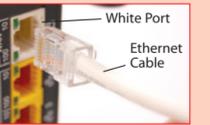
Step 8 Check the type of WAN connection installed. It is either Ethernet or Coax. If it is Ethernet, follow the WAN Ethernet Setup instructions. If it is Coax, follow the WAN Coax Setup instructions.

Important: Verizon FiOS TV subscribers **MUST** always connect a Coax cable to the FiOS Router regardless of using a WAN Ethernet connection.

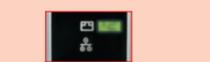


WAN Ethernet Setup

a. Connect one end of the **White Ethernet Cable** into your **Ethernet Port** located on the wall and the other end into the **White Ethernet Port** on the back of the FiOS Router.



b. Make sure that the **WAN Ethernet light** is either solid or flashing **Green**.



Note: If the WAN Ethernet light does **NOT** turn green, make sure the White Ethernet Cable is properly connected on both ends.

WAN Coax Setup

a. Connect one end of the **Coax Cable** to your **Coax Port** located on the wall and the other end to the **Red Coax Connector** on the back of the FiOS Router.



b. Make sure that the **WAN Coax light** is either solid or flashing **Green**. This may take a couple of minutes.

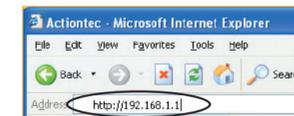


Note: If the WAN Coax light does **NOT** turn green, make sure the Coax Cable is properly connected on both ends.

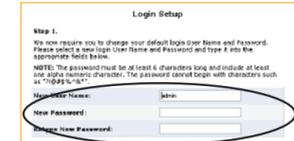
Upon completing the setup instructions in Step 8, observe the Internet light located on the front of your new FiOS Router. It should turn green within 3 minutes. If the Internet light remains amber for more than 3 minutes, call Verizon FiOS customer service at 888-553-1555 to get connected. When you call, enter your phone number and follow the prompts for help with connecting your FiOS Router.

C Configure the FiOS Router

Step 1 Open a Web browser and type **http://192.168.1.1** in the address bar. Then press **Enter** on the keyboard.



Step 2 The "Login Setup" screen appears. Select a new **User Name** and **Password** and type them into the appropriate fields. Make sure to write down this information as you will need it in the future.



Step 3 Change the time zone to the appropriate setting. Then click **OK**.

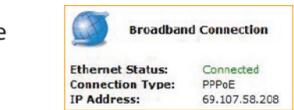


Step 4 The "Main Menu" screen appears. Check to make sure you have a **GREEN** checkmark under **Router Status**.



Note: If the Green checkmark under Router Status does **NOT** appear, make sure there is a solid Green WAN light (either Ethernet or Coax).

Step 5 Make sure that either the **Coax Status** or **Ethernet Status** under **Broadband Connection** shows that it is **CONNECTED**.



Note: If the Broadband connection is **NOT** connected, make sure there is a solid Green WAN light (either Ethernet or Coax) and also a solid Green Internet light on your FiOS Router.

D Connect to Other Computers/Set Top Box

Your FiOS Router supports 3 different home networking technologies: **Ethernet (Wired)**, **Wireless**, and **Connect Your FiOS TV Set Top Box(es)** (Wired). Please go to the section that is applicable to you.

Ethernet (Wired)

Step 1 Get another Ethernet cable (not supplied). Plug one end into one of the open **Yellow Ethernet Ports** on the back of the FiOS Router. Plug the other end into the Ethernet port of the next computer you want to connect.



Step 2 Repeat these steps for each computer that you want to connect to the FiOS Router using Ethernet.

Wireless

Step 1 Make sure that each computer that you want to connect wirelessly has built-in wireless or an attached wireless adapter.



Step 2 Make sure that the wireless computer uses the same ESSID and WEP key as the FiOS Router. To do this, launch the wireless computer's wireless application.

Step 3 Turn the FiOS Router over. You will see a sticker that lists the FiOS Router's preset ESSID and WEP key. Enter that information in the wireless computer's wireless settings and click **Save**.



Note: The FiOS Router uses 64/40 bit WEP encryption by default. Your wireless computer must be configured for 64/40 bit WEP during setup.

Step 4 To make sure that the changes were enabled, try to surf the Web from the wireless computer.

Connect Your FiOS TV Set Top Box(es)

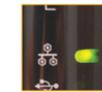
Step 1 Make sure all of your Set Top Box(es) are turned OFF.

Step 2 Get a Coax Cable and connect one end into a Coax Port (usually located on the wall or to a splitter) and the other end into your Set Top Box Coax Connector on your Set Top Box.



Step 3 Power up your Set Top Box.

Step 4 Make sure that the **LAN Coax light** on the front of the FiOS Router is either solid or flashing **Green**. This may take a couple of minutes.



Step 5 You are connected. Your Set Top Box(es) are now supported.

Congratulations! You have successfully installed and configured your FiOS Router and created your own home or office network.

E Troubleshooting/Frequently Asked Questions

1 Q How do I reset the FiOS Router to the factory defaults?

A Depress the HW reset button on the back of the unit for at least 10 seconds or access the Restore Defaults reset button located in the "Advance Setup" section of the router's management GUI.

2 Q Do any special steps have to be taken to configure a WAN connection using either MoCA or Ethernet?

A No, the FiOS Router has an Auto Detect feature and will connect accordingly.

3 Q Is wireless on by default?

A Yes.

4 Q Is wireless security on by default?

A Yes, with a unique 64/40 bit WEP Key printed on the bottom of each FiOS Router.

5 Q I cannot get into the FiOS Router GUI interface. What should I do?

A Ensure the computer you are connecting to the FiOS Router is setup to dynamically receive an IP Address.

6 Q Are the FiOS Router Ethernet ports Auto Sensing?

A Yes, a straight through or crossover Ethernet (RJ45) cable can be used.

7 Q What can be done about a weak wireless signal?

A Try selecting a different Wireless channel. The FiOS Router has the capability of dynamically selecting a stable channel or you can manually select a channel. You may also want to try relocating/repositioning the FiOS Router.

8 Q What does the "My Network" section display?

A My Network displays LAN devices that are connected to the FiOS Router along with information about each device.

9 Q I've physically connected my computer to the FiOS Router, but my computer is still unable to see the FiOS Router or surf the Internet. What should I do?

A You need to make sure that the TCP/IP protocol is setup properly on this computer. To do that complete the following steps:

Step 1 For XP, from the desktop, click the **START** button (For Vista click on the Windows button) on the lower left corner. From the menu that appears, click **Control Panel**.



Step 2 For XP, when the "Control Panel" window appears, click **Network Connections**. For Vista click on "View Network Status and Tasks" under the "Network and Internet" icon.

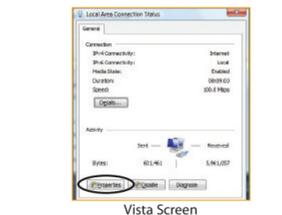


Step 3 For XP, in the "Network Connection" window, right-click **Local Area Connection** and select "Properties". A number may be displayed after the Local Area Connection is listed, locate the one that corresponds to the network card that you have connected to the FiOS Router, it should say "connected".

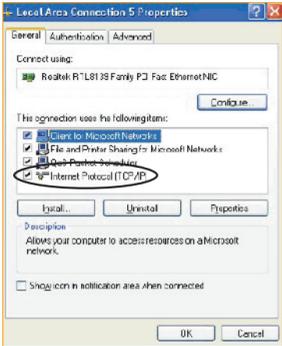


For Vista, in the "Network Sharing" window, click on **View status** next to "Local Area Connection".

(Vista only) When the "Local Area Connection Status" window appears Click **Properties**.



Step 4 In the "This connection uses the following item" list box, double-click **Internet Protocol (TCP/IP)**. For Vista be sure to click on **Internet Protocol Version 4**.



Step 5 The "Internet Protocol (TCP/IP) properties" window appears. Make sure **"Obtain an IP address automatically"** is selected, then click **OK** to exit. Click **OK** on the previous window to exit.



Verizon FiOS Router

MI424WR

Installation Guide

This Installation Guide will walk you through the easy steps to set up your FiOS® Router. During this process, we'll show you how to:

- A Remove Existing FiOS Equipment**
- B Connect to the FiOS Router**
- C Configure the FiOS Router**
- D Connect to Other Computers/Set Top Box**
- E Troubleshooting/Frequently Asked Questions**



General Regulatory and Compliance Notices

Important Safety Instructions

If applicable, when using telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electrical shock, and personal injury, including the following:

- Do not use this product near water – for example, near a bathtub, kitchen sink, laundry tub, or swimming pool, or in a wet basement;
- Avoid using a telephone (other than a cordless type) during an electrical storm, as there may be a remote risk of electrical shock due to lightning;
- Do not use the telephone to report a gas leak in the vicinity of the leak;
- Use only the power cord and batteries indicated in this manual;
- Do not dispose of batteries in fire, as they may explode – check with local codes for possible special disposal instructions.

Telephone Line Cord Caution

To reduce the risk of fire, use only No. 26 AWG or larger (e.g., 24 AWG) UL Listed or CSA Certified Telecommunication Line Cord.

Coaxial Cable

If applicable, the coaxial cable screen shield needs to be connected to the Earth at the building entrance per ANSI/NFPA 70, the National Electrical Code (NEC), in particular Section 82093, "Grounding of Outer Conductive Shield of a Coaxial Cable," or in accordance with local regulation.

FCC Class B Equipment

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by implementing one or more of the following measures:

- Reorient or relocate the receiving antenna;
 - Increase the separation between the equipment and receiver;
 - Connect the equipment to an outlet on a circuit different from that to which the receiver is connected;
 - Consult the dealer or an experience radio or television technician for help.
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Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Actiontec Electronics, Inc, may void the user's authority to operate the equipment.

Declaration of conformity for products marked with the FCC logo – United States only.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1.This device may not cause harmful interference;
 - 2.This device must accept any interference received, including interference that may cause unwanted operation.
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Important Note

If applicable, this equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.

The transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

For questions regarding your product or the FCC declaration, contact:

Actiontec Electronics, Inc
760 North Mary Avenue, Sunnyvale, CA 94086, United States
Tel: (408) 752-7700 Fax: (408) 541-9005

Avis d'application de la réglementation et de conformité généraux

Consignes de sécurité importantes

Afin de réduire les risques d'incendie, de blessures corporelles ou d'électrocution, suivez toujours ces mesures préventives de base lorsque vous utilisez votre téléphone.

- N'utilisez pas ce produit près de l'eau, par exemple, à proximité d'une baignoire, d'un évier de cuisine, d'une cuve à lessive, d'une piscine ou dans un sous-sol humide.
- Évitez d'utiliser un téléphone (autre qu'un sans fil) pendant un orage électrique; les éclairs peuvent être à l'origine d'une électrocution.
- N'utilisez pas le téléphone pour rapporter une fuite de gaz à proximité de celle-ci.
- N'utilisez que le cordon d'alimentation et les piles indiqués dans ce guide.
- Ne jetez pas les piles dans le feu, car elles peuvent exploser. Consultez les autorités locales afin de connaître les instructions de recyclage des piles.

Mise en garde concernant le cordon téléphonique

Pour réduire les risques d'incendie, utilisez seulement un cordon téléphonique 26 AWG ou plus large (p. ex., 24 AWG) répertorié UL ou certifié CSA.

Câble coaxial

S'il y a lieu, l'écran protecteur du câble coaxial doit être mis à terre à l'entrée du bâtiment, conformément au paragraphe 82093 du Code national de l'électricité, ANSI/NFPA 70, "mise à terre de l'écran conducteur externe d'un câble coaxial", ou conformément à la réglementation locale.

Équipement de classe B

Ce matériel a été contrôlé et satisfait aux limites imposées pour les appareils numériques de classe B, conformément à l'alinéa 15 de la réglementation FCC. Ces limites sont destinées à assurer une protection raisonnable contre les interférences dans un environnement résidentiel. Cet appareil produit, utilise et peut émettre de l'énergie haute fréquence et, s'il n'est pas installé et utilisé conformément aux instructions, il peut provoquer des interférences dans les communications radio. Cependant, les risques d'interférences ne peuvent pas être totalement exclus. S'il constate des interférences lors de la réception d'émissions de radio ou de télévision (il suffit, pour le constater, d'allumer et d'éteindre successivement l'appareil), l'utilisateur devra prendre les mesures nécessaires pour les éliminer.

- Réorientez ou déplacez l'antenne réceptrice.
 - Éloignez l'équipement de l'appareil récepteur.
 - Branchez l'appareil sur une prise ou un circuit différent de celui de l'appareil récepteur.
 - Consultez le revendeur ou un technicien de radio ou de télévision expérimenté.
-

Modifications

Conformément à la réglementation FCC, tout changement ou modification non autorisé explicitement par Actiontec Electronics, Inc. est de nature à priver l'utilisateur de l'usage de l'appareil.

Déclaration de conformité des produits munis du logo FCC, États-Unis uniquement.

Cet appareil est conforme à l'alinéa 15 de la réglementation FCC. Son fonctionnement est soumis à deux conditions:

1. il ne doit pas provoquer aucune interférence gênante;
 2. doit pouvoir supporter toute interférence reçue, y compris celles susceptibles d'en affecter le fonctionnement.
-

Remarque importante

Cet appareil respecte les limites d'exposition aux radiations de la FCC, définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20 centimètres entre le radiateur et votre corps.

Le transmetteur ne doit pas être situé ou fonctionner en conjonction avec une autre antenne ou un autre transmetteur.

Pour toute question concernant votre produit ou la déclaration de conformité des produits munis du logo FCC, veuillez vous adresser au service suivant:

Actiontec Electronics, Inc

760 North Mary Avenue, Sunnyvale, CA 94086, United States
Téléphone: (408) 752-7700 Télécopieur: (408) 541-9005