



3 RIVERS COMMUNICATIONS

3 Rivers Communications DSL Self-Install Instructions

Before you install your DSL modem, be sure of the following:

- § You have been contacted by 3 Rivers Communications (by a telephone call or postcard) that your High Speed Internet has been provisioned.
- § You have disabled firewall and other software that runs in the background on your computer.

These are the steps necessary to self-install your DSL:

Step 1 – Install DSL filters

Step 2 – Install DSL hardware

Step 3 – Install DSL software

Step 4 – Configure Wireless Connection

STEP 1 – INSTALL DSL FILTERS

Identifying devices needing filters

NOTE: DSL filters are sometimes labeled as “ADSL Line Conditioners”. These are interchangeable terms.

Why do I need a DSL filter?

DSL filters block the DSL signal from reaching your telephone, fax, or answering machine. Except for your DSL modem, every telephone machine sharing the phone line that has DSL requires a filter.

What will happen if filters aren't properly installed?

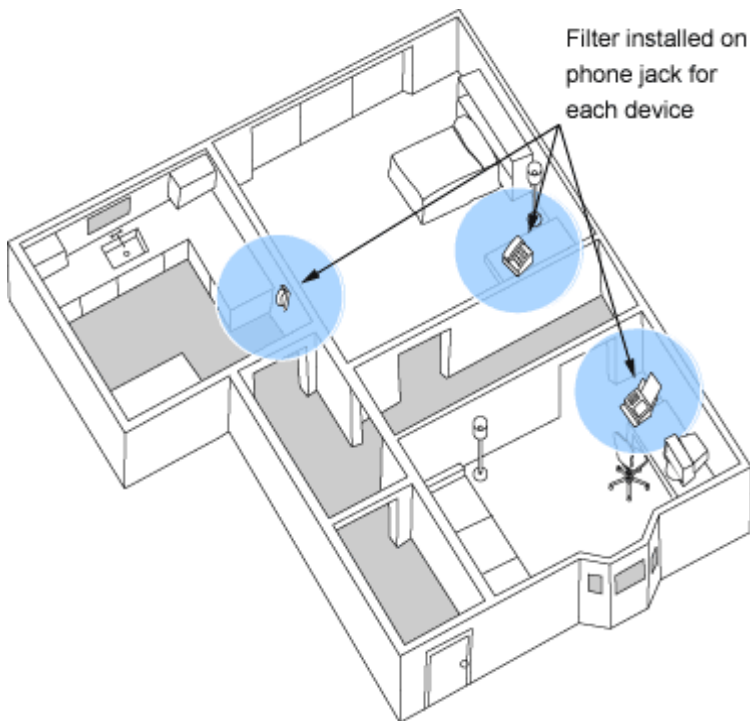
If DSL filters are missing or not working properly you may experience reduced DSL speeds as well as static or hissing on your phone line. You may also experience problems with DSL connectivity.

Before you install filters:

You do not need to install a DSL filter on the line to your DSL modem. Do not install filters on empty phone jacks or DSL modems. Using more than five filters can reduce the quality of your DSL service.

Some common devices that need DSL filters:

- 0 Regular phones
- 0 Cordless phones
- 0 Caller ID units
- 0 Answering machines
- 0 Fax machines
- 0 Dial-up modems
- 0 Satellite TV receivers
- 0 Monitored security systems that use the DSL phone line (check with your security company to determine if this is necessary)



Where you don't need filters:

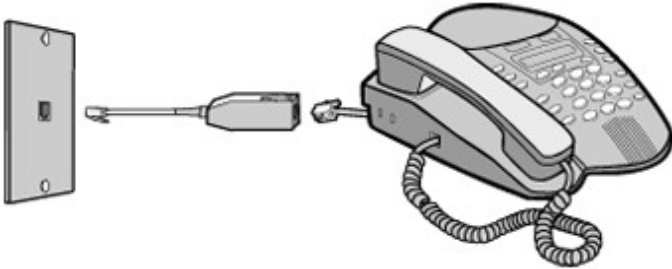
- 0 Empty phone jacks
- 0 DSL modem (Important: adding a filter to your DSL modem may interfere with your service)

If you need additional DSL filters:

- 0 Contact 3 Rivers Communications at 1-800-796-4567.
- 0 Visit your local computer store.

Connecting the DSL filter

1. Disconnect the phone (or other device) cord from the wall jack.
2. Insert the phone cord into the DSL filter.
3. Insert the DSL filter into the wall jack.
4. Repeat Steps 1 through 3 for each device needing a DSL filter.



Special filter situations:

- 0 Using filters with wall-mount phone (See below).
- 0 Connecting multiple phone devices at one jack using a splitter filter (See page 4).

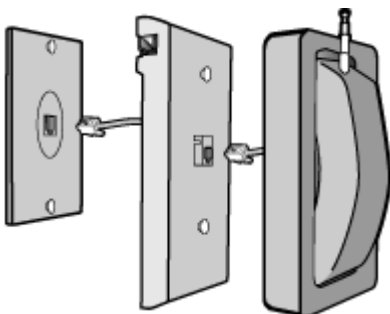
When you are sure that all of your DSL filters are installed correctly then proceed to Step 2 – Install DSL hardware .

Installing a wall-mount DSL filter

NOTE: If you don't have a wall-mounted phone, proceed to Step 2 of the self-installation process. If you have a wall-mounted phone, you should have been provided a wall-mount DSL filter in the materials that were sent to you.

To install a wall-mount filter:

1. If the wall phone has a locking lever, unlock it first.
2. Remove the wall phone by pushing it up gently from the bottom, and then pull the phone away from the wall. Disconnect the phone cord.
3. Plug the wall mount filter cord into the phone jack.
4. Mount the DSL filter by aligning the slots on the filter with the mounting pegs on the wall jack, and press down gently to secure it.
5. Plug the phone cord into the front of the wall mount filter. Align the slots on the wall phone with the mounting pegs on the wall mount filter, and then press down gently to secure it. If the wall phone has a locking lever, relock it after mounting.



When you are sure that all of your DSL filters are installed correctly, proceed to Step 2 – Install DSL hardware.

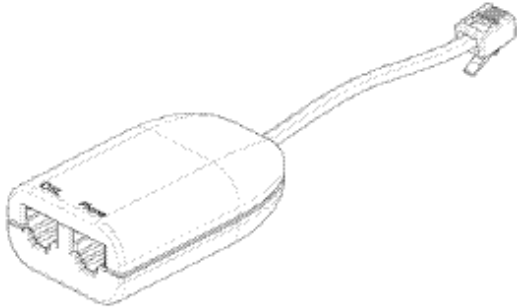
Install Splitter Filter

A Splitter Filter splits one jack into two so you can use your telephone and your DSL modem with a single phone jack.

Find the phone jack that is closest to the computer. This is where you will install your Splitter Filter.

To Install the Splitter Filter:

1. Disconnect the phone cord from the phone jack.
2. Plug the Splitter Filter into the phone jack.
3. Plug the phone cord into the Splitter Filter in the port labeled Phone.
4. Leave the other jack in the Splitter Filter empty for now. When you connect your DSL modem (later, in Step 2), you will insert the modem phone cord into the jack labeled DSL.



When you are sure that all of your DSL filters are installed correctly proceed to Step 2 – Install DSL hardware.

Filter installation: Multiple phone devices connected to each other

If you have connected phone devices (phone and answering machine) and are installing DSL for the first time or if you are moving your current setup around, you will need to make sure your connected phone devices use a filter.

Why do I need a filter?

Filters are able to block the DSL signal from reaching any of the devices “downstream” from them. If you have two or more devices in a series, you will only need one filter, placed between the first device and the wall jack.

How do I install my 2-for-1 adapter?

If you have one phone device connected into another phone device, such as a phone plugged into an answering machine, follow the steps below:

1. Make sure the filter is first in the series and properly connected at the wall jack so the DSL signal cannot reach the other machine
2. Place only one filter between the first machine and the wall jack if you have two or ore machines in a series.
3. Use only one filter, no matter how many machines are connected to each other in a series.

NOTE: Do not place filters on unused jacks and the DSL modem.

When you are sure that all of your DSL filters are installed correctly, proceed to Step 2 – Install DSL hardware.

Filter installation: I have several phones plugged into the phone jack nearest my computer

If you need to connect your DSL modem and multiple phone devices (example, a phone and fax machine) into one jack, you will need a filter and additional 2-for-1 adapter to complete your setup.

NOTE: If you previously used a dial-up connection, but are installing DSL for the first time, use these instructions.

NOTE: The 2-for-1 adapter plugs directly into the phone jack. Do not place a filter between the wall jack and the 2-for-1 adapter. This will interfere with your DSL service.

To connect your DSL modem and multiple phone devices on one phone jack:

1. Plug your DSL modem into one 2-for-1 jack (do not place a filter on this jack).
2. Plug a filter on the jack that will connect your phone devices.
3. Plug a 2-for-1 or 3-for-1 adapter into the filter you added in step 2.
4. Plug your phone devices to the adapter you added in step 3.

When you are sure that all of your DSL filters are installed correctly, proceed to Step 2 – Install DSL hardware.

STEP 2 – INSTALL DSL HARDWARE

Be sure that:

- 0 Your high speed internet service has been provisioned and is ready to use
- 0 Your DSL filters have been properly installed (see Step 1)

Comtrend AR-5381u Wireless Combo Router Equipment

Before you install your Comtrend AR-5381u ADSL2+ Wireless Combo Router, verify that your installation kit includes the following components. If any items are missing, call **3 Rivers Communications** at 467-2535 or 1-800-796-4567



Comtrend AR-5381u Wireless Combo Router



Comtrend AR-5381u ADSL2+ Wireless Combo Router: Ethernet Installation

Ethernet Installation Instructions:

If you have an existing router connected to your computer, leave it connected, and follow the installation instructions below:

1. Plug the small, round end of the power supply into the **Power** jack in the back of the router.
2. Plug the power supply into an electrical outlet.
3. Connect one end of the phone cord to the **Line** jack in the back of the modem. *Note: If you previously connected to the Internet using a dial-up connection, unplug the phone cord from your analog modem (usually located in the back of your computer), then plug that cord into your DSL modem.*
4. Connect the other end of the phone cord directly into a phone jack or the 2-for-1 adapter. Make sure you do not connect the modem to a DSL filter.
5. Plug the Ethernet cable into the first Ethernet jack in the back of the modem. Labeled **LAN 1X**.
6. Plug the other end of the Ethernet cable into the Ethernet jack in your computer. *Note: If you can't find an Ethernet jack, you may not have an Ethernet adapter, or Network Interface Card (NIC) installed. NICs are not provided by 3 Rivers Communications.*
7. Push the power switch (on the back of the modem) to the "on" position.
8. Wait for the **Power, ADSL** lights to turn steady green. This may take a few minutes.
9. Now you are ready to set your computer to obtain an IP address automatically from the router, which will connect you to the internet.
10. To finish your installation proceed to Step 4 to configure your wireless connections.

STEP 3 – INSTALL DSL SOFTWARE

Be sure that:

- 0 Your high speed internet service is provisioned and ready to use.
- 0 Your DSL filters have been properly installed (see Step 1).
- 0 Your DSL hardware is set up and the front-panel lights are on (see Step 2).

Setting up your network for wireless access requires configuring your laptop to use a wireless connection.

STEP 4 – CONFIGURE WIRELESS CONNECTION

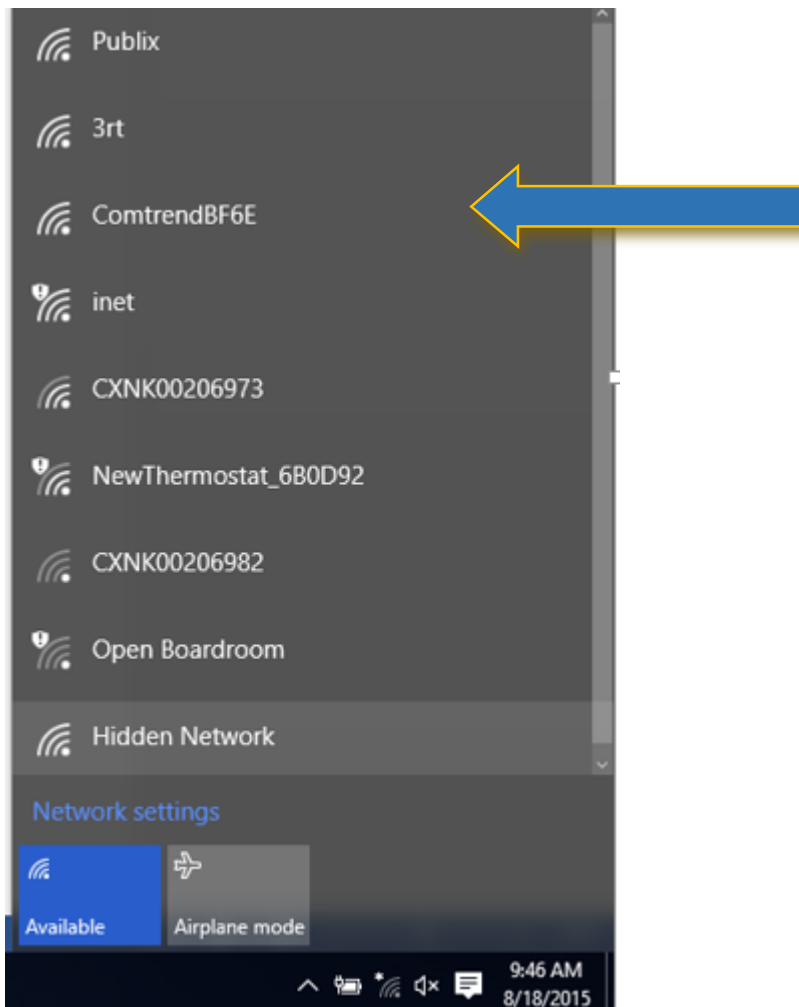
Wireless Networking Set-up Instructions

These instructions will only work if your laptop or PC already has a wireless adapter installed.

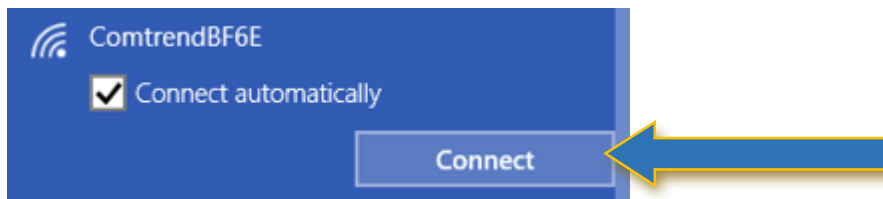
1. Select the wireless icon on the bottom right of screen



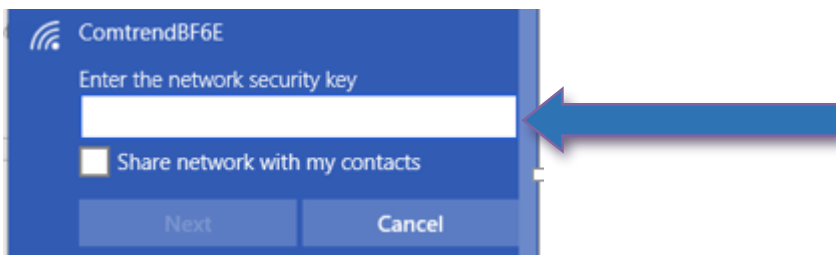
2. Select the network you would like to connect to.



3. Select Connect



4. A security screen will pop up asking you for your Network Key. The Network Key is the LAST 10-characters of the MAC address from the back of the router. All letters are UPPER CASE.



5. After 15-30 seconds, you should see "Connected". You are now online.

Troubleshooting: If the connection fails, you will need to disconnect, then start again at step 11, and carefully re-enter your key. A typing error is the most likely source of difficulty.

You are finished! Thank you for choosing 3 Rivers Communications as your DSL Service Provider. We also offer free 24x7 Technical Support at 1-888-783-7354.