

**Introduction**

The Nexxtech™ 4-Way Professional Broadband Signal Amplifier is ideal for distributing a cable signal to a remote location. It can also distribute antenna and HDTV signals. This amplifier increases the output signal up to 8 dB, while minimizing interference. It also allows bi-directional communication so you can enjoy pay-per-view events and interactive TV. It is also compatible with digital cable modems. The amplifier can be mounted on a wall or placed on a table or other indoor surface. You can cap off the unused outputs with terminators (not included) to reduce signal leakage.

**Step One: Selecting a Location**

Your amplifier should be placed close to your input source and an AC outlet. You can mount the amplifier on a wall or other surface using #6 screws (not included) suitable for mounting in your location.

- Do not place the amplifier outdoors.
- To keep exposed cable to a minimum, you can place the amplifier in your attic.
- To prevent interference, do not place the amplifier within 15 cm of any other electronic device.

**Step Two: Routing Cables**

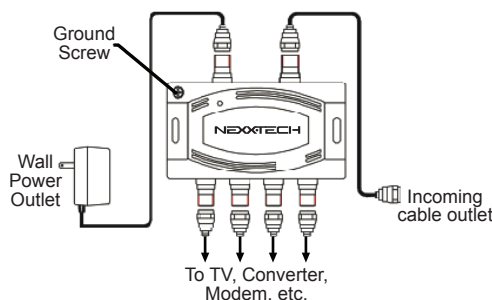
Route 75 ohm (RG-6 or RG-6QS) coaxial cable from the amplifier to your input source and to each receiver. Follow these hints when routing cable:

- Use only as much cable as necessary to reach from the amplifier to the input source and receivers.
- Do not route cables where they might be cut, crimped, or crushed by normal activities.

- For the best appearance, route cable through the attic and walls, and terminate each cable in a wall mount box with an F-connector. Wall mount F-connectors, coaxial cable, and other video accessories are available at your local electronic store.

**Step Three: Making Connections**

1. Connect a coaxial cable to your input source. To connect more than one input source, use a high isolation A/B switch or video selector to switch between inputs.
2. Connect the coaxial cable from your cable box or antenna (input source) to the amplifier's INPUT terminal.



3. Connect one end of the coaxial cable to an output device and the other end to an OUTPUT terminal.
4. Attach supplied terminators to unused output terminals.
5. Connect the supplied AC adapter to the jack on the amplifier using the supplied 15 cm RG-6 cable.
6. Plug the AC adapter into a standard AC outlet. The amplifier's green LED lights when it has power.
7. Turn on every device connected to the amplifier.

**Notes**

- Do not use pliers to tighten screw-on F-connectors.
- Never connect both an outdoor antenna and the output from the amplifier to the antenna input of your TV or VCR without using a high isolation A/B switch. Doing so could cause interference with other nearby receivers.
- For an additional grounding method, remove a rubber foot from the amplifier and back out the #6 grounding screw. Place a grounding wire over the grounding screw and tighten the screw back into the housing.
- In extremely long cable runs (distances over 60 m), additional amplification might be needed.

**Specifications**

**Forward Path:**

Operating Frequency Range ..... 54 - 1000 MHz  
Gain ..... 8 dB

**Reverse Path:**

Operating Frequency Range ..... 5 - 42 MHz  
Insertion Loss ..... -7.5 dB  
Adapter Input Voltage ..... AC 105 - 135 V  
Power Usage ..... 12V DC, 200 mA  
Power Line Frequency ..... 60 Hz  
Dimensions (HWD) ..... 31.75 x 114.4 x 88.9 mm  
Weight ..... 468 g



Specifications are typical; Individual units may vary. Specifications are subject to change and improvement without notice.

**Safety Instructions**


- Read and retain all the safety and operating instructions.
- This appliance should not be used near water, such as near a bathtub, washbowl, kitchen sink or laundry tub.
- This amplifier should be situated so that its location or position does not interfere with its proper ventilation.
- This amplifier should be connected only to a power supply of the type described in the operating instructions or as marked on the amplifier.
- Do not attempt to defeat the grounding or polarization components of this amplifier.
- Wipe the amplifier with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the amplifier.
- The power cord of the amplifier should be unplugged from the outlet when left unused for extended periods of time.
- Do not allow liquids to spill through the amplifier's openings.
- The amplifier should be situated away from heat sources such as radiators, heat registers, stoves or other appliances that cause heat. Temperature extremes can shorten the life of electronic devices and distort or melt plastic parts.
- If an outside antenna is connected to a receiver, be sure the antenna system is grounded to provide some protection against voltage surges, built-up static charges, and lightning strikes
- The CATV system installers attention should be given to proper grounding and, in particular, that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

**Important Safety Instructions**

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

<p><b>CAUTION</b></p> <p><b>RISK OF ELECTRIC SHOCK DO NOT OPEN</b></p>	 <p>The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.</p>
<p><small>WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK), NO USER SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</small></p>	 <p>The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.</p>

**CAUTIONS**

 You must use a Class 2 power source that supplies 12 VDC and delivers at least 100 mA. Its centre tip must be set to positive and its plug must fit the amplifier's adapter jack. The supplied adapter meets these specifications. Using an adapter that does not meet these specifications could damage the amplifier or the adapter.

Always connect the AC adapter to the amplifier before you connect it to AC power. When you finish, disconnect the adapter

from AC power before you disconnect it from the amplifier.

**CC Declaration of Conformity**

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**The FCC Wants You to Know**



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 to correct the interference by one or more of the following measures:

- 1) reorient or relocate the receiving antenna;
- 2) increase the separation between the equipment and the receiver;
- 3) connect the equipment to an outlet on a circuit different from that to which the receiver is connected;
- 4) consult the dealer or an experienced radio/TV technician for additional suggestions.


Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Where shielded interface cables have been provided with the product or specified additional components or accessories elsewhere defined to be used with the installation of the product, they must be used in order to ensure compliance with FCC regulation.

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**THE SOURCE - WARRANTY**



The Source warrants that this product will be free from defects in materials and workmanship for a period of ninety (90) days from the date of purchase. Within this period, simply take the product and your proof of purchase to any The Source store or participating dealer and the product will be replaced (where available) without charge. Any product which has been subject to misuse or accidental damage is excluded from this warranty. This warranty is only applicable to a product purchased through The Source company-owned stores or participating dealers in Canada where the warranty is included with the product. While this warranty does not confer any legal rights other than those set out above, you may have additional statutory rights which will vary under the laws of the various countries, states, provinces and other governmental entities in which The Source operates. This warranty is subject to all statutory rights you may have in Canada.

 Imported by:  
The Source,  
Barrie, Ontario, Canada, L4M 4W5

Manufactured in China

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[www.thesource.ca](http://www.thesource.ca)

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