Actiontec®

Bonded MoCA
Network Adapter

Model # ECB6200

User Guide

Table of Contents

Getting Started

Introduction

Congratulations for purchasing the Actiontec ECB6200 Bonded MoCA Network Adapter. The Adapter is a simple, flexible solution for extending a home network. By leveraging the ubiquity of coaxial cabling within the modern home, the Adapter provides an Ethernet Internet port anywhere a coaxial connection is available. It also features a *TV/STB Out* coaxial port to allow for existing connections at the coaxial wall port.

This user manual explains the procedures needed to connect the Adapter.

Package Contents

- ECB6200 Bonded MoCA Network Adapter
- Coaxial cable
- Power adapter
- Quick Start Guide
- Ethernet cable

Requirements

- Available coaxial port in installation areas
- Available electrical wall socket in installation areas

Features

- *Ethernet* port (gigabit)
- *Coax In* coaxial port (v. 2.0)
- *TV/STB Out* coaxial port (v. 2.0)
- *Power*, *Coax*, and Ethernet LEDs:
  - *Power* LED: glows solid green when Adapter is powered up.
  - *Coax* LED: glows solid green with connection on the *Coax* port.
  - Ethernet LEDs (2): located on upper right and left corners of the *Ethernet* port; left LED glows green on connection; right LED blinks amber when data is transferred across port.

Connecting the Adapters

Connecting the Adapter is a relatively simple process. First, connect one Adapter to the TV or set-top box, the broadband modem or router, and the coaxial network to establish the Internet signal. Then, additional Adapters can be installed throughout the home or office at any location Ethernet Internet access is needed, and an available coaxial port is available.

Connecting the First Adapter

The first Adapter must be connected to the TV or set-top box, the broadband modem or router, and the coaxial network. This Adapter takes the Internet signal from the modem/router and delivers it to the coaxial network, while keeping the TV/set-top box connected.
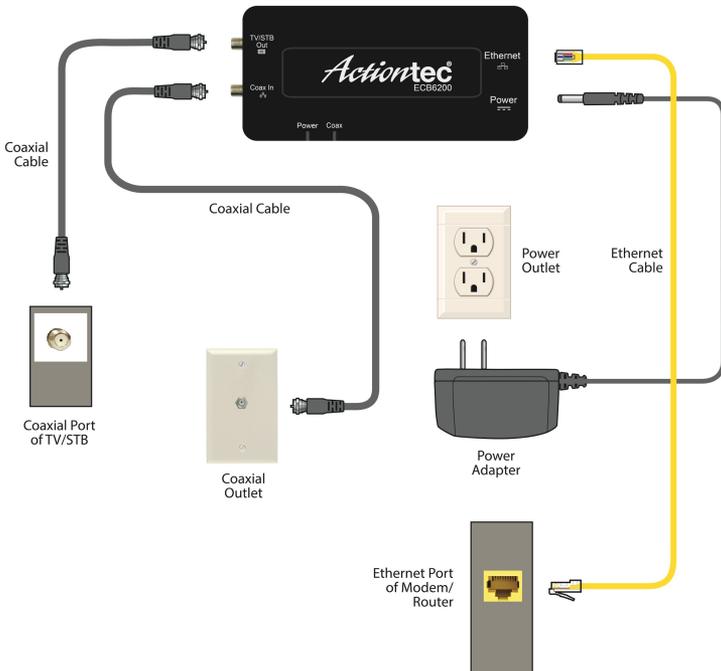
To connect the first Adapter:

1. Remove the end of the coaxial cable connected to the TV or set-top box from its coaxial wall port.

2. Connect the end of the coaxial cable removed in step 1 to the *TV/STB Out* coaxial port on the side of the Adapter.

3. Connect another coaxial cable into the coaxial wall port left unconnected in step 1.

4. Connect the other end of the coaxial cable installed in step 3 to the *Coax In* coaxial port on the side of the Adapter

5. Connect one end of an Ethernet cable into the Ethernet port of the modem/router.

6. Connect the other end of the Ethernet cable into the *Ethernet* port on the side of the Adapter.

7. Plug the provided power adapter into the *Power* port on the side of the Adapter.

8. Plug the other end of the power adapter (external, 5V DC, 2A, made by APD, model #WA-10P05FU) into an electrical outlet.

When complete, the setup should look similar to the figure below:

The Internet signal is now being delivered across the coaxial network.

Connecting Additional Adapters

If necessary, additional Adapters can be placed at locations around the home or office that need an Ethernet Internet connection, but currently only have a coaxial port.
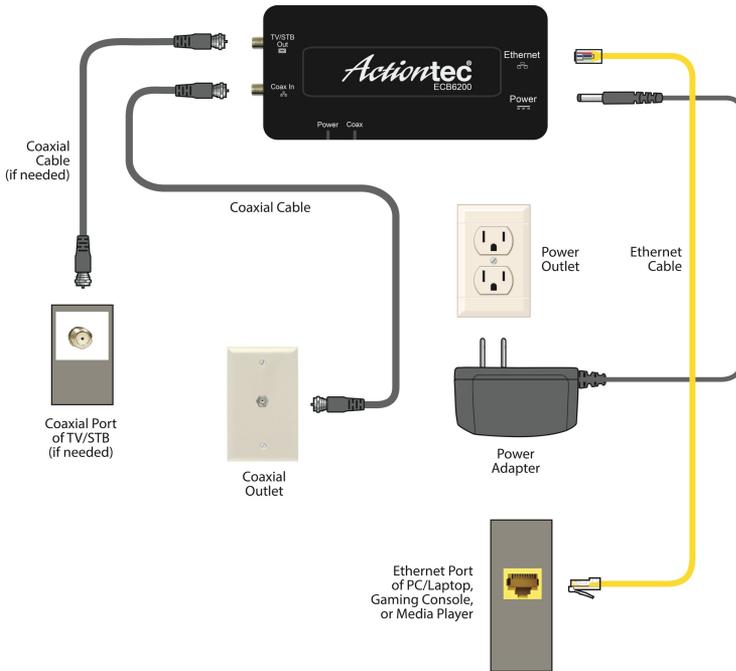
To connect additional Adapters:

1. Find a coaxial wall port near the desired location and unplug the coaxial cable connected to the TV or set-top box. If no device is plugged into this coaxial wall port, skip to step 3.

2. Connect the end of the coaxial cable removed in step 1 to the *TV/STB Out* coaxial port on the side of the Adapter.

3. Connect a coaxial cable into the coaxial wall port indicated in step 1.

4. Connect the other end of the coaxial cable installed in step 3 to the *Coax In* port on the side of the Adapter.

5. Connect one end of an Ethernet cable into the Ethernet port of the device to connect to the Internet.

6. Connect the other end of the Ethernet cable into the *Ethernet* port on the side of the Adapter.

7. Plug the provided power adapter into the *Power* port on the side of the Adapter.

8. Plug the other end of the power adapter (external, 5V DC, 2A, made by APD, model #WA-10P05FU) into an electrical outlet.

When complete, the setup should look similar to the figure below:

The device connected to the *Ethernet* port is now connected to the Internet via the coaxial network. Repeat this process to install additional Adapters throughout the home.

Specifications

Model Number

ECB6200

IP

LAN MoCA (v. 2.0; up to 1.4 Gbps throughput)

LAN Ethernet Port 10/100/1000 (1)

LAN Connections

Coax In Frequency Range - Extended D-band: 1125MHz ~ 1675MHz; Full Port Range: 5MHz ~ 2150MHz

TV/STB Out Frequency Range - 5MHz ~ 1002MHz

LED Indicators

Power, Coax

Power

External, 5V DC, 2A, 1.3 mm diameter connector plug
Made by APD, model #WA-10P05FU

Regulatory

FCC, UL 60950-1, CUL, MoCA, IC

Environmental

Ambient temperature - 0ºC to 40ºC (32ºF to 104ºF)

Storage temperature - -20ºC to 85ºC (-4ºF to 185ºF)

Operating humidity - 10% to 85% non-condensing

Storage humidity - 5% to 90% non-condensing

Note: Specifications are subject to change without notice.

Notices

Warranty

This product has a one-year Limited Hardware Warranty and 90-day free software updates from date of purchase.

Local Law

This Limited Warranty Statement gives the customer specific legal rights. The customer may also have other rights which vary from state to state in the United States, from province to province in Canada, and from country to country elsewhere in the world.

To the extent that this Limited Warranty Statement is inconsistent with local law, this Statement shall be deemed modified to be consistent with such local law. Under such local law, certain disclaimers and limitations of this Warranty Statement may not apply to the customer.

Go to http://www.actiontec.com/products/warranty.php for more information.

Important Safety Instructions

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; only clean with dry cloth.

- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus including amplifiers that produce heat.

- 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 if applicable. Note: you may need to reword for batteries or adapters.

- Do not dispose of batteries in fire, as they may explode – check with local codes for possible special disposal instructions if applicable.

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 820.93, "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 device;

- 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 (applicable only to powerline products);

- Consult the dealer or an experience radio or television technician for help.

Declaration of Conformity for Products Marked with the FCC logo–USA Only

This device complies with Part 15 of the FCC Rules license-exempt RSS standard(s). 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 undesired operation of the device.

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 Industry Canada (IC)–Canada only

This device complies with Industry Canada license-exempt RSS standard(s). 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 undesired operation of the device.

Contact Information

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

<div align="center">

Actiontec Electronics, Inc
760 North Mary Avenue, Sunnyvale, CA 94085, United States
Tel: (408) 752-7700 Fax: (408) 541-9003

</div>

Technical Support

Go to **www.actiontec.com/support** for product support, updates, and more information including:

- Firmware updates
- Troubleshooting
- Registration
- FAQs

Technical Support Phone Number

United States: 1 (888) 436-0657