TRENDnet TMO-311C

TRENDnet TMO-311C Ethernet Over Coax Adapter User Manual

1. INTRODUCTION

The TRENDnet Ethernet Over Coax Adapter, model TMO-311C, utilizes existing coaxial cabling to establish a high-speed network within your home or office. These compact MoCA adapters are designed to support MoCA 2.0 deployment, facilitating digital TV, high-speed internet, and VoIP services. Adhering to Multimedia over Coax Alliance (MoCA 2.0) standards, the adapter incorporates improved packet error rate technology to deliver consistent voice and video bandwidth with reduced latency.

Figure 1: TRENDnet TMO-311C Ethernet Over Coax Adapter (Front View)

2. PACKAGE CONTENTS

- 1 x TMO-311C MoCA Adapter
- Quick Installation Guide
- Power adapter (12V, 1A)

3. FEATURES

- **Device Interface:** 1 x MoCA Coax (F-Type Female coax input), 1 x TV Coax (F-Type Female coax output), 1 x RJ-45 Gigabit LAN port.
- **MoCA 2.0 Standard:** Compliant with Multimedia over Coaxial Alliance 2.0, offering improved packet error rate technology for consistent voice and video bandwidth with lowered latency.
- **Gigabit Performance:** Features a Gigabit LAN port with a net throughput of up to 1Gbps, reducing traffic bottlenecks.
- **Backward Compatibility:** Compatible with MoCA 1.1/1.0 standards.
- **Multi-Device Support:** Supports up to 16 nodes on one network.
- **Compact Design:** Lightweight housing suitable for various installations, including desktops or entertainment centers.

4. SETUP

Setting up the TMO-311C adapter is a straightforward process. No complex configuration is required; simply connect the adapters to your existing coaxial network.

4.1. Basic Installation Steps

1. Connect one MoCA adapter to your router using an Ethernet cable.
2. Connect a coaxial cable from the wall outlet to the same MoCA adapter.
3. In another room, connect a second MoCA adapter to a coaxial cable from the wall outlet.
4. Connect the second MoCA adapter to your network-enabled device (e.g., computer, gaming console) using an Ethernet cable.
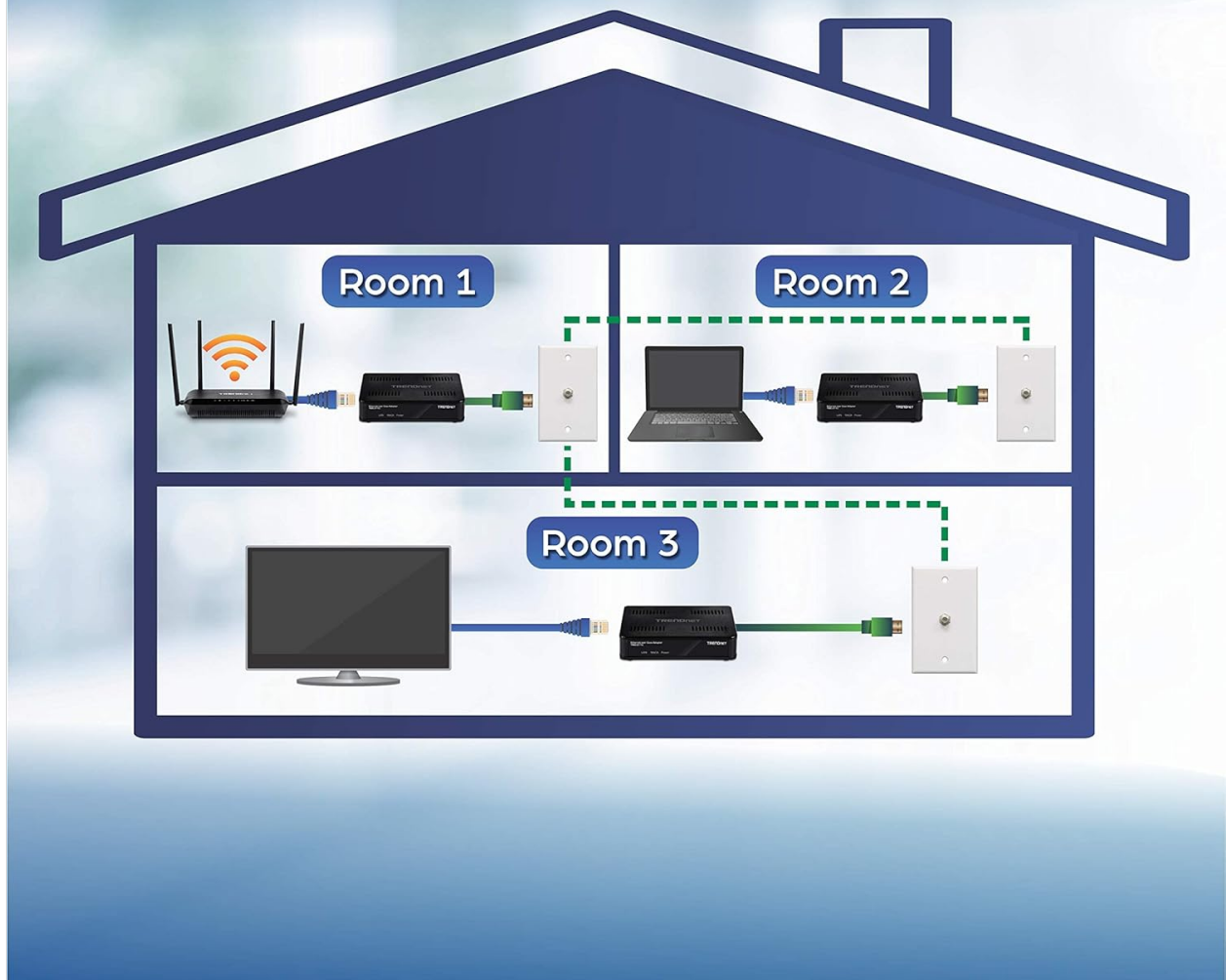5. Verify that all the LED indicators on both adapters are lit, indicating a successful connection.

Figure 2: Visual Guide for Easy Setup

4.2. Network Diagram

Figure 3: Example of a home network setup using MoCA adapters

4.3. Video Guide

Your browser does not support the video tag.

Video 1: Official TRENDnet Ethernet Over Coax Adapter (TMO-311C) Overview and Setup Guide.

5. OPERATING INSTRUCTIONS

Once the adapters are correctly installed and powered on, they will automatically establish a MoCA network over your existing coaxial cables. The LED indicators on the front of the adapter provide status information:

- **LAN LED:** Indicates Ethernet connection status.
- **MoCA LED:** Indicates MoCA network connection status.
- **Power LED:** Indicates power status.

A solid green light for LAN and MoCA indicates a successful and active connection. You can now enjoy a high-speed, wired Ethernet connection for reliable streaming, gaming, and other network-intensive applications.

Figure 4: Back view of the TMO-311C adapter showing ports.

6. TROUBLESHOOTING

- **No Power LED:** Ensure the power adapter is securely connected to the adapter and a working electrical outlet.

- **No MoCA LED:** Verify that coaxial cables are securely connected to both adapters and the wall outlets. Ensure your coaxial network is MoCA-compatible (not compatible with Directv, Dish Network, AT&T U-Verse, or other non-MoCA compliant subscription services).

- **No LAN LED:** Check the Ethernet cable connection between the MoCA adapter and your network device/router. Try a different Ethernet cable if necessary.

- **Slow Speeds:** Ensure all connections are tight. Check for any splitters in your coaxial line that might degrade the signal. Consider using MoCA-compatible splitters if multiple devices share the coaxial line.

- **Intermittent Connection:** Ensure there are no loose cables. Power cycle both MoCA adapters and your router.

7. SPECIFICATIONS

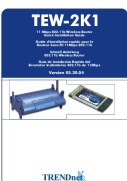| Attribute	Value
Model Number	TMO-311C
Product Dimensions	4.4 x 3.5 x 1 inches
Item Weight	4.4 ounces
Hardware Interface	Ethernet
Data Link Protocol	Ethernet
Data Transfer Rate	1 Gigabits Per Second
Compatible Devices	Desktop
UPC	710931503135

8. WARRANTY AND SUPPORT

The TRENDnet TMO-311C Ethernet Over Coax Adapter is backed by 3 years of TRENDnet Manufacturer Protection. For technical support or warranty claims, please refer to the contact information provided in your Quick Installation Guide or visit the official TRENDnet website.

Related Documents - TMO-311C

[TRENDnet TEG-PCBUSR Gigabit Ethernet PC Card Adapter Quick Installation Guide](#)
This document provides a quick installation guide for the TRENDnet TEG-PCBUSR Gigabit Ethernet PC Card Adapter. It includes hardware and driver installation steps for Windows XP, 2000, ME, and 98SE, along with troubleshooting tips and product details.

	[TRENDnet TEG-S24g 24-Port Gigabit GREENnet Switch	High-Speed Network Connectivity](#) Discover the TRENDnet TEG-S24g, a 24-Port Gigabit GREENnet Switch offering high bandwidth, energy efficiency, and reliable network connectivity for offices. Features 48Gbps switching capacity, fanless design, and rackmount capability.
	[TRENDnet TEW-226PC/TEW-228PI 11 Mbps Wireless Adapter Quick Installation Guide](#) This guide provides instructions for installing and configuring TRENDnet's TEW-226PC and TEW-228PI 11 Mbps wireless adapters for Windows operating systems. It covers package verification, hardware and driver installation, and network setup for both Infrastructure and Ad-Hoc modes, along with troubleshooting tips.
	[TRENDnet TEW-501PC/TEW-503PI 108Mbps Wireless LAN Adapter User's Guide](#) User's guide for TRENDnet TEW-501PC CardBus PC Card and TEW-503PI PCI Adapter, providing installation, configuration, and troubleshooting information for 108Mbps 802.11a/g wireless networking.
	[TRENDnet TEW-2K1 11 Mbps 802.11b Wireless Router Quick Installation Guide](#) This Quick Installation Guide provides step-by-step instructions for setting up and configuring the TRENDnet TEW-2K1 11 Mbps 802.11b Wireless Router and PC Card Kit. Learn how to install hardware, drivers, and configure your network for broadband internet access.
	[TRENDnet TU2-ET100 USB 2.0 Fast Ethernet Adapter Quick Installation Guide](#) This guide provides instructions for installing and setting up the TRENDnet TU2-ET100 USB 2.0 Fast Ethernet Adapter. It includes package contents, system requirements, hardware and driver installation steps for Windows XP, 2000, ME, and 98SE, and troubleshooting tips.