TRENDnet TMO-312C2K

TRENDnet TMO-312C2K MoCA 2.5 Ethernet Over Coax Adapter (2-Pack)

INSTRUCTION MANUAL

1. INTRODUCTION

The TRENDnet MoCA 2.5 Ethernet over Coax Adapters, model TMO-312C2K, enable you to leverage your existing coaxial cabling to establish a high-speed network throughout your home or office. These adapters are designed to support MoCA 2.5 deployment, facilitating digital TV, high-speed internet, and VoIP services with consistent bandwidth and reduced latency.

This manual provides essential information for setting up, operating, and maintaining your MoCA adapters to ensure optimal performance.

2. PACKAGE CONTENTS

- 2 x TMO-312C MoCA 2.5 Ethernet over Coax Adapters
- Quick Installation Guide
- 2 x Power adapters (12V, 1A)

3. PRODUCT OVERVIEW

The TMO-312C2K adapters are compact devices designed for seamless integration into your existing coaxial infrastructure. Each adapter features a Gigabit LAN port and MoCA Coax F-Type female input for robust network connectivity.

Figure 1: Two TRENDnet TMO-312C2K MoCA 2.5 Ethernet over Coax Adapters stacked.

MoCA Ethernet Over Coax Adapters

	TMO-312C2K	TMO-312C	TMO-311C2K	TMO-311C
Specification	MoCA 2.5 Bonded	MoCA 2.5 Bonded	MoCA 2.0 Bonded	MoCA 2.0 Bonded
Special Feature	2-Pack	-	2-Pack	-
Ports	1 x MoCA Coax, 1 x RJ-45 Gigabit LAN (each)		1 x MoCA Coax, 1 x TV Coax, 1 x RJ-45 Gigabit LAN (each)	

Figure 2: Front view of a TRENDnet MoCA 2.5 adapter with LED indicators.
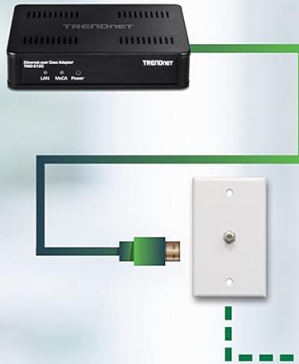
Easy Setup

Step 1
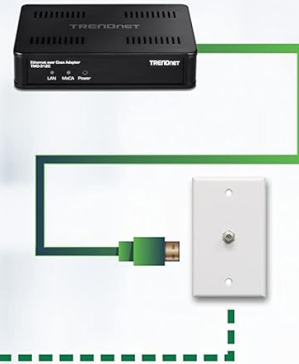Connect one MoCA adapter to your router.

Step 2
Connect a coax cable from the wall to the same MoCA adapter.

Step 3
Connect another MoCA adapter with a coax cable in another room.

Step 4
Connect the second MoCA adapter to a network-enabled device.

Step 5
Verify that all the LEDs are lit.

LAN   MoCA   Power

Figure 3: Rear view of a TRENDnet MoCA 2.5 adapter showing Coax In, Gigabit LAN port, and Power input.

Figure 4: Comparison of TRENDnet MoCA Ethernet over Coax Adapter models.

4. SETUP INSTRUCTIONS

Follow these steps for easy installation of your MoCA 2.5 adapters:

1. **Step 1: Connect the First Adapter to Your Router.** Connect one MoCA adapter to your router using an Ethernet cable. Then, connect a coaxial cable from your wall outlet to the MoCA adapter's Coax In port.

Figure 5: Connecting the first MoCA adapter to your router.

2. **Step 2: Connect the Second Adapter in Another Room.** In another room where you need wired internet access, connect a coaxial cable from the wall outlet to the second MoCA adapter's Coax In port.

Figure 6: Connecting the second MoCA adapter in another room.

3. **Step 3: Connect Your Device.** Connect your network-enabled device (e.g., computer, gaming console, smart TV) to the second MoCA adapter using an Ethernet cable.

Figure 7: Connecting your device and verifying LED indicators.

4. **Step 4: Power On and Verify.** Plug in the power adapters for both MoCA devices. Once powered on, check the LED indicators on both adapters. The LAN, MoCA, and Power LEDs should be lit, indicating a

successful connection.

Video 1: This video provides a concise overview of the TRENDnet Ethernet Over Coax MoCA 2.5 Adapter, highlighting its features and connectivity options.

5. OPERATING INSTRUCTIONS

Once properly installed, your TRENDnet MoCA 2.5 adapters will automatically establish a high-speed network connection over your existing coaxial cables. No further configuration is typically required.

- **Enhanced Network Performance:** Experience reliable streaming, gaming, and clear 4K HD video with reduced latency.
- **Expand Your Network:** The MoCA network supports up to 16 nodes, allowing you to connect multiple devices across your home or office.
- **Plug and Play:** The adapters are designed for easy setup without complex software or configurations.

6. COMPATIBILITY & IMPORTANT NOTES

- **Backward Compatibility:** These adapters are backward compatible with MoCA 2.0, 1.1, and 1.0 standards.
- **Service Compatibility:** Not compatible with Directv, Dish Network, AT&T U-Verse, or other non-MoCA compliant subscription services. Ensure your service provider supports MoCA technology if you plan to integrate these adapters with existing TV services.
- **Maximum Nodes:** The MoCA network supports up to 16 nodes.

7. SPECIFICATIONS

Feature	Specification
Model Number	TMO-312C2K
Device Interface	1 x MoCA Coax: F-Type Female coax input; 1 x RJ-45 Gigabit LAN port
MoCA Standard	MoCA 2.5 (Backward compatible with 2.0/1.1/1.0)
Net Throughput	Up to 1Gbps
Max Nodes Supported	16
Product Dimensions	4.4 x 3.5 x 1 inches
Item Weight	4 ounces
Manufacturer	TRENDnet
Color	Black
UPC	710931503166

8. TROUBLESHOOTING

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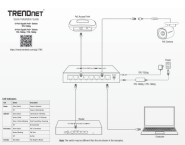
electrical outlet.

- **No MoCA Link:** Verify that both MoCA adapters are connected to the coaxial network and powered on. Check all coaxial cable connections for tightness and damage. Ensure your coaxial network is MoCA-compatible and does not use incompatible services (e.g., satellite TV).
- **No Ethernet Connection:** Confirm the Ethernet cable is securely connected between the MoCA adapter and your network device (router, computer, etc.). Check the LAN LED on the MoCA adapter; it should be lit.
- **Slow Speeds:** Ensure all cables are in good condition. Verify that your internet service plan supports the desired speeds. Consider the quality and age of your coaxial cabling.

9. WARRANTY AND SUPPORT

TRENDnet products are backed by a manufacturer's warranty. For specific warranty details, please refer to the official TRENDnet website or the documentation included with your product. For technical support, visit the TRENDnet support portal or contact their customer service.

Used-Good products, if purchased, typically come with a 90-day TRENDnet Manufacturer's Warranty from the date of purchase.
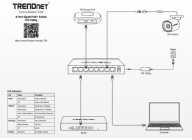
Related Documents - TMO-312C2K

	[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 5/8-Port Gigabit PoE+ Switch Quick Installation Guide](#) Quick installation guide for TRENDnet 5-Port Gigabit PoE+ Switch (TPE-TG50g) and 8-Port Gigabit PoE+ Switch (TPE-TG80g / TPE-TG82g), including setup diagram, LED indicators, and compliance information.
	[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 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.
	[TRENDnet TPE-TG82g 8-Port Gigabit PoE+ Switch Quick Installation Guide](#) Quick installation guide for the TRENDnet TPE-TG82g 8-Port Gigabit PoE+ Switch, covering setup, LED indicators, compliance, and safety information.