

## Arris MEB1100

# Arris MEB1100 MoCA to Ethernet Bridge User Manual

Model: MEB1100

## 1. INTRODUCTION

This user manual provides detailed instructions for the installation, operation, and maintenance of the Arris MEB1100 MoCA to Ethernet Bridge. The MEB1100 is designed to extend your home network by converting coaxial cable signals (MoCA) into Ethernet, allowing for high-speed internet access in areas without direct Ethernet wiring.

## 2. PRODUCT OVERVIEW

### 2.1 Package Contents

- Arris MEB1100 MoCA to Ethernet Bridge
- Power Adapter
- Ethernet Cable
- Coaxial Cable

### 2.2 Device Features

- Converts MoCA (Multimedia over Coax Alliance) signals to standard Ethernet.
- Enables high-speed wired network connections over existing coaxial cabling.
- Supports data transfer rates up to 1 Gigabit per second.
- Compact and discreet design.

### 2.3 Physical Components

The Arris MEB1100 features essential ports and indicators for its operation.



**Figure 1:** Front view of the Arris MEB1100 MoCA to Ethernet Bridge. This image shows the top surface of the device, which is black with a textured pattern and the "ARRIS" logo prominently displayed. A coaxial connector extends from the right side.



**Figure 2:** Rear view of the Arris MEB1100 MoCA to Ethernet Bridge. This image displays the back panel of the device, highlighting the Ethernet port (red), power input (blue), and coaxial input/output port. The device has a ribbed design for ventilation.



**Figure 3:** Side view of the Arris MEB1100 MoCA to Ethernet Bridge. This image shows the device from a slightly elevated side angle, emphasizing its compact form factor and the ventilation grilles on the top surface. The coaxial connector is visible at the bottom right.

### 3. SETUP INSTRUCTIONS

Follow these steps to set up your Arris MEB1100 MoCA to Ethernet Bridge:

1. **Identify MoCA Network:** Ensure you have an active MoCA network in your home. This typically involves a MoCA-enabled router or a primary MoCA adapter connected to your main internet source.
2. **Connect Coaxial Cable:** Connect one end of a coaxial cable to the coaxial wall outlet in the room where you want to extend your network. Connect the other end of the coaxial cable to the "Coax In" port on the Arris MEB1100.
3. **Connect Ethernet Device:** Connect one end of an Ethernet cable to the Ethernet port on the Arris MEB1100. Connect the other end of the Ethernet cable to the device you wish to connect to the network (e.g., computer, smart TV, gaming console).
4. **Connect Power:** Plug the power adapter into the power port on the Arris MEB1100. Then, plug the power adapter into a standard electrical outlet.
5. **Verify Connection:** Allow a few moments for the device to power on and establish a MoCA connection. Check the indicator lights on the device (if present, though not specified in product details, common for network devices) to confirm a successful connection. A solid light typically indicates a stable link.

**Note:** For optimal performance, ensure all coaxial splitters in your home are MoCA-compatible (5-1675 MHz or higher).

### 4. OPERATING THE DEVICE

Once set up, the Arris MEB1100 operates automatically. It acts as a transparent bridge, converting MoCA signals to Ethernet and vice-versa, allowing your connected Ethernet device to access the network.

- **Network Access:** The device connected to the MEB1100's Ethernet port will automatically obtain an IP address from your router and gain network and internet access.
- **Performance:** The MEB1100 supports Gigabit Ethernet speeds, providing high-bandwidth connectivity for

streaming, gaming, and large file transfers over your coaxial network.

## 5. MAINTENANCE

The Arris MEB1100 is designed for minimal maintenance. Follow these guidelines to ensure its longevity and optimal performance:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosol sprays.
- **Ventilation:** Ensure the device is placed in a well-ventilated area. Do not block the ventilation slots.
- **Environment:** Keep the device away from direct sunlight, heat sources, and excessive moisture.
- **Firmware Updates:** Firmware updates are typically managed by your internet service provider if the device is part of their managed equipment. For retail units, check the manufacturer's website periodically for updates.

## 6. TROUBLESHOOTING

If you encounter issues with your Arris MEB1100, refer to the following troubleshooting steps:

### 6.1 No Network Connection

- **Check Power:** Ensure the power adapter is securely connected to the MEB1100 and a working electrical outlet.
- **Check Coaxial Connection:** Verify that the coaxial cable is securely connected to both the wall outlet and the MEB1100's "Coax In" port.
- **Check Ethernet Connection:** Ensure the Ethernet cable is securely connected to both the MEB1100 and your connected device.
- **Verify MoCA Network:** Confirm that your primary MoCA network (router or main MoCA adapter) is operational and broadcasting a MoCA signal.
- **Reboot Devices:** Power cycle the MEB1100, your router, and the connected Ethernet device. Unplug them from power for 30 seconds, then plug them back in.

### 6.2 Slow Network Speed

- **Cable Quality:** Ensure you are using high-quality coaxial and Ethernet cables.
- **MoCA Splitters:** If you have coaxial splitters, ensure they are MoCA-compatible (rated for 5-1675 MHz or higher). Non-compatible splitters can degrade signal quality.
- **Interference:** Check for potential sources of interference near the coaxial cabling or the MEB1100.
- **Network Congestion:** Other devices on your network might be consuming bandwidth.

## 7. SPECIFICATIONS

Feature	Description
Model	MEB1100
Manufacturer	Arris Motorola
Connectivity Technology	MoCA (Coaxial), Ethernet
Data Transfer Rate	Up to 1 Gigabit Per Second (Ethernet)




Feature	Description
Number of Ports	2 (1x Coaxial, 1x Ethernet)
Dimensions (L x W x H)	16.99 x 11 x 5.89 cm
Weight	222 g
Operating System Compatibility	Transparent to OS (Works with Linux, Windows XP, Windows 7, etc. on connected devices)







## 8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official Arris support website. Warranty terms may vary based on region and retailer.

- **Online Support:** [www.arris.com/support](http://www.arris.com/support) (Example link, actual link may vary)
- **Contact:** Refer to your product packaging or the Arris website for customer service contact details.

## Related Documents - MEB1100

	<p><a href="#">ARRIS Touchstone TG2472G Telephony Gateway User Guide</a></p> <p>User guide for the ARRIS Touchstone TG2472G Telephony Gateway, detailing installation, configuration, features like DOCSIS 3.0, VoIP, MoCA 2.0, wireless connectivity, and troubleshooting.</p>
	<p><a href="#">ARRIS Qi3 (DCX860) HD Set-Top Box &amp; IP Client   TiVo, MoCA 2.0</a></p> <p>ARRIS Qi3 (DCX860) is a versatile HD set-top box and IP client, integrating TiVo experience, MoCA 2.0 networking, and ATSC/AVC support for seamless home entertainment and DVR functionality.</p>
	<p><a href="#">ARRIS Touchstone TG2492 Telephony Gateway User Manual</a></p> <p>User guide for the ARRIS Touchstone TG2492 Telephony Gateway, covering installation, configuration, wireless and Ethernet connectivity, and troubleshooting for home and office networks.</p>

<div><div><div><div><div><div></div><div>ARRIS</div></div></div><div><div>Installation and Operation Manual</div><div>VMS1100</div><div>Hybrid QAM/IP Video Media Server</div></div></div><div></div></div></div>	<p><a href="#">ARRIS VMS1100 Hybrid QAM/IP Video Media Server Installation and Operation Manual</a></p> <p>Installation and operation manual for the ARRIS VMS1100 Hybrid QAM/IP Video Media Server. Learn about setup, features, safety, and troubleshooting for advanced home entertainment systems.</p>
<div><div><div><div><div><div></div><div>ARRIS</div></div></div><div><div>High Speed Internet</div><div>Enabling IP Passthrough on the Arris BGW320</div><div>How to enable IP Passthrough on the Arris BGW320</div><div>Enabling IP Passthrough on the Arris BGW320</div></div></div><div></div><div><p>IP Passthrough mode is used to enable IP Passthrough on the Arris BGW320. This mode allows the BGW320 to act as a bridge between the Internet and the local network, allowing the local network to use the same IP address as the BGW320. This mode is used to enable IP Passthrough on the Arris BGW320.</p></div></div></div>	<p><a href="#">Enabling IP Passthrough on the Arris BGW320: A Technical Guide</a></p> <p>Learn how to configure IP Passthrough mode on the Arris BGW320 Internet Gateway. This guide provides step-by-step instructions for advanced users needing to bridge their network, including firewall settings, MAC address configuration, and Wi-Fi disabling.</p>
<div><div><div><div><div><div></div><div>ARRIS</div></div></div><div><div>ARRIS VIP4402W</div><div>Installation Guide</div></div></div><div></div></div></div>	<p><a href="#">ARRIS VIP4402W Installation Guide: Setup and Connection</a></p> <p>Comprehensive installation guide for the ARRIS VIP4402W set-top box, covering placement, connections, remote setup, and Wi-Fi broadband configuration.</p>