

# Bonded MoCA 2.0 Adapter



Model# KB-M2B-01

## Wired Speeds Boost the Connected Home Experience

The connected home needs more bandwidth than ever before. Over-the-Top HD video is pushing home networks to the limits, with tablets, smartphones, gaming devices and televisions often streaming high-def content at the same time.

The KB-M2B-01 Bonded MoCA 2.0 Network Adapter brings an instant performance boost to the home network, ensuring uninterrupted and pristine HD video, online gaming, and high speed networking. The device turns a home's coaxial wires into a high speed Ethernet network, with speeds up to 1 Gbps. The result is a blazing fast wired backbone that enhances the connected home experience and supplements an existing Wi-Fi network with high-speed wired connection points.

## Install in Seconds

The KB-M2B-01 Bonded MoCA 2.0 Network Adapter works over the home's existing coaxial wiring, enabling homeowners to enjoy the reliability and performance of a wired connection without having to wire the home for Gigabit Ethernet. Simply plug one MoCA adapter into your router and another to the HDTV, set top box or other device. Most do-it-yourself consumers can complete the installation in less than 5 minutes and installation professionals no longer need to pull cables throughout the house.

## Perfect for HD Video Streaming and Gaming

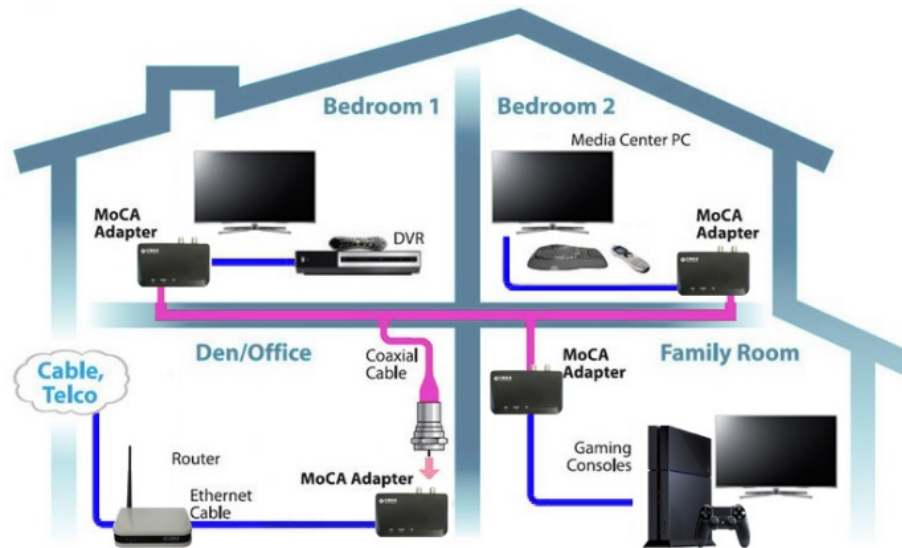
When the home's wireless network can't keep up with bandwidth spikes, homeowners find their crisp HD video gets bumped down to standard definition or pauses to buffer. The KB-M2B-01 Bonded MoCA 2.0 Network Adapter relieves the pressure on the home's Wi-Fi. It turns any coax port into a high-speed Ethernet connection that's perfect for connecting HD televisions, set top boxes, and gaming consoles.

## Bonded MoCA 2.0 Speeds

MoCA technology guarantees the distribution of HD and ultra-HD content around the home over coax. With support for the latest Bonded MoCA 2.0 standard, the KB-M2B-01 delivers wired speeds up to 1Gbps, more than enough bandwidth for HD video, online gaming, and other demanding applications. Join the millions of homes in North America that are taking their HD video streaming and online gaming to the next level with a Kiwee MoCA solution.

## Features

- Enhance the home's Wi-Fi network with wired speeds and reliability
- Perfect for delivering pristine OTT HD video to the home theater
- Speeds up to 1Gbps
- Works over home's existing coaxial wiring
- Not prone to hacking or interference with other devices
- Bonded MoCA with backward compatibility to MoCA 2.0, 1.1
- Won't interfere with cable TV services



## Specifications

Item		Parameters
MoCA System	Chip technology	BONDED MOCA 2.0 Mstar solution : MSE322
	SPI NOR Flash	4 Mbytes
	Channel Bandwidth	100 MHz for Bonded MoCA 2.0
	Output Frequency	E-Band & D-Band
	Max. Attenuation	75 dB
	Throughput (MAC Rate)	Up to 1 Gbps
Cable Interface	Cable Input	F-type, 75 ohm
	To TV (Loop through)	F-type, 75 ohm
Diplexer	Low pass, Insertion loss, Return loss	5~1002 MHz, 1dB Max., 14dB Min.
	High pass, Insertion loss, Return loss	1125~1675 MHz, 2.5dB Max, 12dB Min.
Ethernet Interface	RJ-45	Giga-Ethernet port
User Interface	MoCA Link Indicator	Green: MoCA Link, Blinking Green: MoCA active
	Ethernet Indicator	Green: Link, Blinking Green: active
	Power Indicator	Green
	Reset Botton	Press & hold 15 sec. to restore device back to default setting
Ext. power adaptor	Main input	100 – 240 V/AC~, 50/60 Hz
	DC output	12V/1A
	Power Consumption	≤ 5 W