



MA2500D

MoCA 2.5 Ethernet Adapter

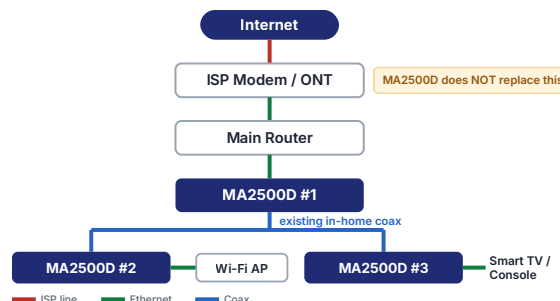
QUICK START GUIDE

! READ FIRST

Please complete the 30-second compatibility check on the next panel **BEFORE** installing.

HOW IT WORKS

Your existing coax wiring becomes a 2.5 Gbps Ethernet backbone — no new cables.



KEY FACTS

- **NOT a Wi-Fi product.** Plug a Wi-Fi AP into the second adapter for wireless.
- **NOT a modem/router replacement.** Keep your ISP gear.
- **At least 2 adapters needed.**
- MoCA 2.5 supports up to 16 devices sharing 2.5 Gbps. Typical homes: 2–4 adapters.

! EXTRA STEPS NEEDED FOR:

- **Verizon Fios / Frontier:** See Q4 on next side
- **DOCSIS 3.1 / 4.0 cable internet:** See Q5 on next side
- **Old splitters (5–1002 MHz):** Replace with MoCA-rated splitter (1125–1675 MHz)

4 CHECK THE LIGHTS — confirm success



MoCA/ETH/PWR LEDs solid green? ✓ You're online. Setup complete.

MoCA LED dark? → See Q1 on next panel.

LED INDICATOR GUIDE

PWR	● Solid green → powered ✓ ○ OFF → check power adapter and power outlet
ETH	● Solid green → Ethernet up ✓ ● Blinking → traffic flowing ○ OFF → check Ethernet cable and connected device
MoCA	● Solid green → MoCA link UP ✓ ● Blinking → MoCA traffic ○ OFF → no MoCA link → see Q1
SEC	● Solid green → encryption on ○ OFF → encryption off (default)

MPS BUTTON: Short press: copy encryption settings from a security-enabled adapter.

RESET BUTTON: Short press: reset the adapter · Hold 5+ sec: clear config · Hold 10+ sec while powering on: revert firmware.

TIP For Wi-Fi anywhere in your home, plug a Wi-Fi access point into Adapter B's Ethernet port.

WILL THIS WORK IN MY HOME?

30-second compatibility check

✓ YOU NEED ALL OF THESE:

- ☐ At least **2 MA2500D adapters** (one alone cannot form a network)
- ☐ **Active coax wall outlets in BOTH rooms** you want to connect
- ☐ Coax wiring already in your walls (RG-6 ideal; RG-59 in older homes works but with lower speed)
- ☐ Working internet from your ISP modem, ONT, or gateway. MA2500D **extends** — it does **NOT** replace your modem or router.

✗ WILL NOT WORK IF:

- ✗ Coax outlets are dead, cut, or never wired room-to-room
- ✗ Apartment with shared or building-managed coax
- ✗ You only have one adapter
- ✗ You expect this to replace a modem or router
- ✗ Your home shares the same coax with DirecTV / DISH satellite TV (frequencies overlap and cannot be filtered — see Q8)

? NOT SURE?

Email support@gocoax.com BEFORE installing. Save yourself a return.

SETUP IN 4 STEPS

About 5 minutes.

1 INSTALL ADAPTER A — at the router

- **Coax:** nearby wall outlet → MA2500D coax port
- **Ethernet:** router LAN port → MA2500D 2.5 GbE port
- **Power:** plug in the 12V DC adapter

2 INSTALL ADAPTER B — at your device

- **Coax:** wall outlet near your device → MA2500D coax port
- **Ethernet:** MA2500D → TV / PC / Wi-Fi AP
- **Power:** plug in the 12V DC adapter

3 WAIT FOR SYNC — be patient

Allow up to 2 minutes.

- 0–15 sec: Adapters boot (PWR LED green)
- 15–60 sec: Adapters discover each other
- 60–120 sec: MoCA link negotiates

! Do NOT unplug or reset — that restarts the entire process.

→ Step 4 on next panel

TROUBLESHOOTING

Most "broken" units are environment issues. Try these before returning. Our team can resolve most cases the same day — see contact info on next side.

Q1. MoCA LED won't turn on (most common issue)

- 1 **Wait the FULL 2 minutes** after powering on. MoCA sync is not instant. Many "defective" reports turn out to be impatience.
- 2 Still no MoCA LED after 2 minutes? **Power off both adapters.**
- 3 Connect them **DIRECTLY with a short coax cable** (bypass your house wiring entirely).
- 4 Power on. **Wait another 2 minutes.**
- 5 **MoCA LED solid green?** ✓ Both adapters work fine. The problem is in your house coax wiring or splitter — see Q2 / Q3 on the next side.
- 6 **MoCA LED still off after 2 minutes direct-connected?** → Email support@gocoax.com with your order number. We'll diagnose remotely or arrange a replacement.

→ Continued on next side — flip the document over

TROUBLESHOOTING
(continued)

Q2. Speed seems low

!
READ THIS FIRST

MA2500D **cannot increase your internet speed** beyond what your ISP provides. It is a high-speed bridge, not an accelerator.

- ISP plan 500 Mbps? → ~500 Mbps speedtest
- ISP plan 1 Gbps? → close to 1 Gbps
- Above 1 Gbps requires both ISP plan above 1 Gbps AND all conditions below.

Verify your ISP plan first. If it's below 2.5 Gbps, that is your ceiling — not a defect.

Speed below your ISP plan? Check in this order:

- ☐ **Ethernet cable:** Cat 5e or better. Cat 6 for full 2.5 Gbps. A bad cable is the most common cause.
- ☐ **Router/switch port:** 2.5 GbE or 1 GbE — NOT 100 Mbps.
- ☐ **Coax type:** RG-6 = full 2.5 Gbps. RG-59 (pre-1990 homes) works but slower over long runs / multiple splitters. Check the cable sheath for "RG-6" or "RG-59" markings.
- ☐ **Coax connectors:** Loose, corroded, or old crimp-on F-connectors are common speed killers in older homes.
- ☐ **Splitter:** must be MoCA-rated covering 1125–1675 MHz. Old 5–1002 MHz splitters BLOCK MoCA.
- ☐ **Number of MoCA devices:** All devices share 2.5 Gbps. 4+ active devices reduces per-device speed. This is normal MoCA behavior.

Still slow?

Email support@gocoax.com with: ISP plan speed · speed you're getting · modem/router model · splitter photo if possible

Q3. No coax outlet in the room I want to connect

MoCA **REQUIRES** an active coax outlet at every adapter location. If your room has none, MA2500D cannot help.

- Alternatives:**
- Wi-Fi mesh system
 - Powerline adapters
 - Run a new Ethernet cable

Q4. Verizon Fios / Frontier fiber service

Look at the cable from the ONT (the Verizon/Frontier box, often in your garage or on an exterior wall) to your main router. Is it...

(a) An Ethernet cable (RJ-45, like a phone cable but wider)?
→ MA2500D works with default setup.

(b) A coaxial cable (round, threaded F-connector, same as TV cable)?
→ Your ONT uses MoCA WAN. Default MA2500D settings **WILL conflict**. Email support@gocoax.com BEFORE installing.

(c) Don't know?
→ Email support@gocoax.com with your ISP and router model. We'll help.

BONUS

Newer Verizon CR1000A/B routers have a built-in MoCA 2.5 LAN bridge. You may need only **ONE** MA2500D, paired with the router. Email us to confirm.

Q5. Cable internet (Xfinity, Spectrum, Cox, etc.) — speed dropped or MoCA won't connect

Most cable internet on DOCSIS 3.0 works without any setup.

If you have one of these and see slower internet OR no MoCA LED:

- DOCSIS 3.1 with 1218 MHz upper frequency
- DOCSIS 4.0 (Comcast Xfinity, Mediacom)
- Future DOCSIS 4.0 ESD (Charter, Cox, rolling out 2026+)

These services use frequencies that overlap with MoCA 2.5's band (1125–1675 MHz).

✓ What to do:

Email support@gocoax.com with your ISP and modem model. We'll either reconfigure your adapter to operate above the conflict zone, or recommend a topology change.

! Do NOT install a MoCA POE filter yourself with DOCSIS 3.1 or 4.0 — it can degrade your internet.

Q6. Mixing MA2500D with existing MoCA devices

MA2500D is backward compatible with MoCA 2.0 and MoCA 1.1. In most cases, mixed networks work without extra setup.

- Network speed = speed of the **SLOWEST** MoCA device.
- A few older MoCA chipsets don't interoperate reliably with MoCA 2.5. If MA2500D won't sync with an existing MoCA device, this is the likely cause.
- For best performance, upgrade all MoCA devices to MoCA 2.5.

Not sure? Email support@gocoax.com with the model number on the device's label.

Q7. Apartment / condo with shared coax

If your coax connects to a building-wide cable plant, MA2500D may not work because:

- Building amplifiers often block MoCA frequencies
- MoCA signals could leak to other units (security risk)
- The building plant may not be home-run wired

MA2500D is designed for **single-family homes with private in-home coax wiring**.

Q8. I have DirecTV or DISH satellite TV

MA2500D **cannot share the same coaxial cable network with satellite TV**.

Why: Satellite signals (950–2150 MHz) directly overlap with MoCA's working frequencies (1125–1675 MHz). This **CANNOT** be solved with a filter or frequency adjustment.

✓ WHAT WORKS:

- Two separate coax networks in your home (one for satellite, one for cable/internet/empty). MoCA can run on the non-satellite coax — they must not share any splitter or run.
- If you switched away from DirecTV/DISH and the dish is disconnected, the coax is now free for MoCA.

✗ WHAT DOES NOT WORK:

- Installing a MoCA POE filter — does NOT help with satellite frequencies.
- Sharing the same splitter, even a "diplexer" — both signals will degrade.

ADVANCED FEATURES

All optional. Most users never need these — defaults just work.

▼ MANAGEMENT WEB INTERFACE

Use only if you want to view link rates, enable encryption, or change advanced settings.

IP Address	192.168.254.254
Username	admin
Password	gocoax

1. Set your computer to a fixed IP such as 192.168.254.10 (Subnet: 255.255.255.0) · 2. Connect your computer to the MA2500D Ethernet port directly with a cable · 3. Browse to <http://192.168.254.254> · 4. Log in with the credentials above.

! Change the default password on first login.

Anyone on your local network could otherwise access your adapter settings. A factory reset restores the defaults above.

▼ ENABLE MoCA ENCRYPTION

Encryption is OFF by default for easy setup. To enable:

- Log in to Adapter A's web interface.
- Security Settings → enable "D-Ext" → set password → Save → Reboot.
- On Adapter A, briefly press the reset button.
- Within 2 minutes, briefly press the MPS button on each other adapter — they pair automatically.

▼ FACTORY RESET

Power on, wait 10 seconds for boot-up. Hold the reset button more than 5 seconds, then release. Adapter reboots to factory defaults.

2-YEAR LIMITED WARRANTY

- ★ Designed in the USA
- ★ California-based support team
- ★ Backed by goCoax, Inc.

! THINKING OF RETURNING?

Please email us first: support@gocoax.com
Most "defective" reports turn out to be splitter, ISP, or setup issues we can fix in minutes. If the unit really is bad, we'll ship a replacement directly — often faster than going through Amazon returns.

NEED HELP?

Email: support@gocoax.com
Web: www.gocoax.com/support
Response within 1 business day, Monday–Friday PT.



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