

How to Reconnect Your APsystems ECU

APsystems ECU (Energy Communication Unit), the small box that gathers data from your microinverters and sends it online. Common models include the ECU-R, ECU-C, and ECU-B.

App: EMA Manager app (use the Local Access option). The EMA App you use for everyday viewing is separate.

If your APsystems solar is showing offline, the ECU has usually just lost its Wi-Fi connection (often after a new router, a changed Wi-Fi password, a power outage, or an internet provider change). This guide walks you through pointing the ECU at your home Wi-Fi again. For the most reliable connection, if your ECU is near your router you can also plug it straight into the router with a network (Ethernet) cable and skip the Wi-Fi steps.

What You'll Need

- ✓ Your smartphone or tablet, with the EMA Manager app installed
- ✓ Your home Wi-Fi network name and current password (it is case sensitive)
- ✓ A 2.4GHz Wi-Fi network (the ECU does not connect to 5GHz, see Notes)
- ✓ To be near the ECU, since setup uses the ECU's own short-range Wi-Fi
- ✓ Mobile data turned on on your phone can help (some phones need it during setup, see Notes)

Step by Step

1

Power on the ECU and press the AP button

- Make sure the ECU is plugged in and powered on.
- Find the AP button on the side of the ECU.
- Press and hold the AP button for 3 to 5 seconds, until the Wi-Fi light starts flashing.

2**Connect your phone to the ECU's Wi-Fi**

- Open the Wi-Fi settings on your phone.
- Connect to the network named ECU_XXXXXXXXXXXX (the last digits match your ECU ID).
- Enter the password 88888888. (Some older models use 888888888.)
- If your phone warns about an unsecured connection or no internet, choose 'stay connected' or 'connect only this time'.

3**Open the EMA Manager app in Local Access**

- Open the EMA Manager app.
- Select Local Access (usually located just below the login button). Do not log in.
- The ECU should appear. Tap it to connect.
- Confirm the Wi-Fi signal icon is green and your ECU model or serial number is shown, which means you are connected locally.

4**Open the Workspace**

- Once connected to the ECU, tap the ECU name.
- This opens the Workspace screen. (On some phones this is shown as Settings.)

5**Go to the network settings**

- In the Workspace, tap ECU Network Settings.
- Then tap WLAN Settings.

6**Connect the ECU to your home Wi-Fi**

- Turn WLAN ON.
- Select your home Wi-Fi network from the list.
- Enter your home Wi-Fi password and confirm the connection.
- The app should show that it connected to your router successfully.

7**Confirm the connection**

- Return to the EMA Manager home screen. The status should change to 'internet connected'.
- The ECU should now show green lights.
- Monitoring data can take 5 to 15 minutes to update, so give it a little time.

Good to Know Before You Start

- The ECU connects to 2.4GHz Wi-Fi only. This is the single most common reason a reconnection fails, so confirm you are joining a 2.4GHz network.
- Some phones need mobile data turned on during setup, because the ECU's own network has no internet and the phone may otherwise refuse to stay connected to it.
- Your panels keep producing power even while the ECU is offline. Only the online monitoring is affected.
- Green lights on the ECU plus an 'internet connected' status in the app mean you are back online.

If It Doesn't Connect

- Double-check your Wi-Fi password. A wrong or mistyped password is the most common reason it will not connect (it is case sensitive).
- Make sure you selected a 2.4GHz network. The ECU cannot use 5GHz Wi-Fi.
- Stand close to the ECU during setup, since its own Wi-Fi has a short range.
- If your phone keeps dropping the ECU_XXXX network, turn mobile data on, or toggle Wi-Fi off and back on, then rejoin.
- If nothing changed in your home but it went offline, unplug the ECU for about 15 seconds, plug it back in, wait a couple of minutes, then try again.
- If your ECU is close to your router, the most reliable fix is to connect them directly with a network (Ethernet) cable.
- If it still will not connect after a couple of tries, stop and have a professional take a look.

GOOD TO KNOW • APSYSTEMS HARDWARE VARIES

Button and label placement vary slightly by ECU model (ECU-R, ECU-C, ECU-B). The access-point password is 88888888 on most units, but some older models use 8888888888. Older or wired installs may use a network (Ethernet) cable to the router instead of Wi-Fi, in which case you do not need the Wi-Fi steps, just make sure the cable is seated at both ends. The EMA Manager app screens (Workspace versus Settings, the exact menu names) can read a little differently between app versions.

AFTER YOU ARE BACK ONLINE

You only found this out because you happened to look. Here is how you stop being the alarm system.

- **Care Plan monitoring.** We watch your system twice a day and email you when it faults or drops offline, so the next outage is caught in a day instead of a season. Plans and pricing at solarrevival.com/care-plans
- **Extended Protection Plan.** For systems already on the roof, including ones whose installer is gone. Covers approved diagnostics and repair labor, plus like-kind part replacement even after the manufacturer warranty has run out. Administered and obligated by Align Solar Protection, not by Revival Solar. Details at solarrevival.com/solar-warranty

Still offline? We can reconnect it for you, call or text **(541) 500-6260**

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