

READ THIS FIRST

System-2 Starter Kit Info sheet

Before you start

See the System2 video guides and download the full documentation set from:

<https://megapointscontrollers.co.uk/system2>

Introduction

Your starter kit comes pre-configured for 16 channels of operation and includes:

- 1 x 16 channel Panel Controller.
- 2 x Motor driver boards of choice (termination jumpers fitted).
- 16 x Pushbuttons with cables and screws.
- 16 x Green/Green LED cable pairs.
- 2 x CAN bus Termination jumpers.

You will also need:

- 12 Volt DC regulated power supply.
 - 500mA per Panel Controller.
 - 1.5A per Servo Controller.
 - Approx. 200mA for other non-solenoid driver boards.
- A 16 Volt A/C transformer at 30VA minimum if using solenoid drivers
- Network cable such as CW1109B/Y supplied by CPC/Farnell (telephone jumper wire). See website for cable links. Non twisted pair cable is OK for testing purposes.
- MQTT broker if using Wi-Fi for data.

The latest versions of all software have been installed at time of manufacture. You should check for and download any updates available before starting. This will provide the best experience and give you access to the latest features.

Getting your first board on your local Wi-Fi network

There's a dedicated YouTube video demonstrating this. Follow this link to view: <https://youtu.be/G3ajZazycP4>. It will probably be easier than going through the following text.

With your updated software the procedure here overrides that in the Starter Kit Quick Start Guide. It has changed slightly making it more intuitive and easier. The very first board on from your System-2 Air should be configured for your Wi-Fi. This will allow you to connect and adjust the board settings such as servo movement type, speed or range adjustment as well as download future software updates and change port addresses. We suggest using the Panel Controller for this example.

Broadly speaking, here's how to connect to your Wi-Fi:

- Apply 12 DC regulated power to the Panel Controller.
- Observe the RUN LED flashing about once per second (may take up to 30 seconds on first time boot..)
- Hold the HOTSPOT button for 1 second; observe the RUN LED flash rate increase to double.
- From your phone, tablet or other Wi-Fi device scan for Wi-Fi networks and locate the hotspot network for the panel controller (it will be the device name/serial number on the sticker) such as "panel-xxxxxx" or "serv8-xxxxxx".
- Connect to this network hotspot network. You may receive a warning stating this network does not connect to the Internet. This is OK.
- If your device states "sign-in required", select this option and go to the sign-in page.
- If your device does not offer a sign-in page, navigate your browser to "4.3.2.1/admin".
- Enter the SSID and password for your local network. Note case sensitivity (screenshot below).
- Press the "Scan WiFi" button. After a few seconds the adjacent text box will populate with scanned networks. Select the appropriate network (strongest signals towards the top).
- Enter a password (case sensitive) and press the save button.
- Your devices IP address will now be displayed near the top (red band). Make a note of this.
- Press the reboot button when ready and access the device via your usual network using the IP address obtained previously.

12:16 4G 99%

Sign in to serv8-451b34
4.3.2.1

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System 2 AIR WiFi Configuration

Product: Servo-8
Hostname: serv8-451b34
IP Address: 192.168.0.121

Scan Wi-Fi networks automatically.

Scan WiFi Megapoints

Password

Save Reboot

Or enter Wi-Fi details manually.

SSID

Password

Save

Device Management

Refer to the website for how to videos and full documentation (megapointscontrollers.com/system2).

NOTE: We operate on a policy of continuous improvement. Colours, specifications and even the placement of components may vary from time to time.