

Firefly Home Assistant integration (MQTT)

Firefly publishes to any LAN MQTT broker, and with one setting it announces its panels to Home Assistant, which creates the entities automatically. No YAML per sensor.

1. Point Firefly at the broker

In dashboard **Settings** set `mqtt_server` (host or host:port, default 1883) plus `mqtt_user` / `mqtt_pass` if needed, and `mqtt_mode` to `homeassistant`. Save and restart. Panels opt in individually with their **MQTT** button.

2. Entities you get

- **input** panels appear as HA **sensors** (with unit when the panel has one).
- **output**, **set** and **timer** panels appear as HA **switches** (ON/OFF payloads).
- Servo outputs publish their angle; timers publish run state.

3. Topics and commands

- State topic and message are templates: defaults `stat/$PANEL_NAME/STATE` and `$VALUE`, with `$UNIT`, `$DEVICE`, `$TIME` available. The device also reports `tele/<device>/LWT` (Online/Offline, retained).
- Command topic: `cmd/<device>/<panel>` with `ON`, `OFF`, `TOGGLE` or a number (angle for servos, 0/1 for the rest).
- Publish interval for sensor states: `mqtt_interval` seconds (default 30).

Keep Firefly's local rules for anything time-critical (they run on the board with or without WiFi); use Home Assistant for cross-device scenes, history and voice control on top of the same MQTT data.