



PRO GROW
DRAGON SERIES

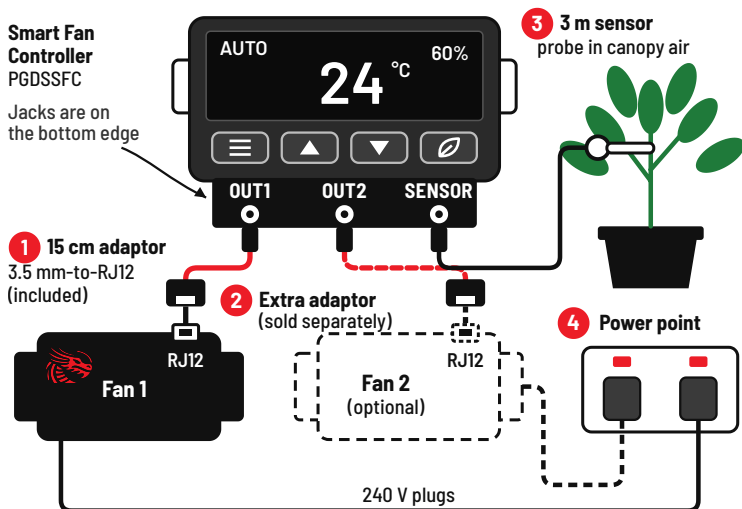
**QUICK
START**

Quick start: Dragon Series fan + Smart Fan Controller

For Aeroblast EC duct fans: Standard & Silenced, 150–300 mm.

**Smart Fan
Controller**
PGDSSFC

Jacks are on
the bottom edge



- 1 Fan 1 → OUT1.** Connect the fan's 6-pin RJ12 control socket to the included 15 cm 3.5 mm-to-RJ12 adaptor. Plug its 3.5 mm end into **OUT1**.
- 2 Second fan (optional) → OUT2.** Use an extra adaptor (sold separately). OUT1 and OUT2 send the same signal, so both fans run together.
- 3 Sensor → SENSOR.** Plug in the 3 m temperature/humidity sensor and place the probe in the canopy or room air.
- 4 Power.** Plug each fan's 240 V plug into a standard power point. No hard-wiring needed.

In the controller box: controller, 3 m temp/humidity sensor, one 15 cm adaptor. No power cord.



FIRST SETUP

- 1 Switch to °C** (ships in °F). Press **Mode** until OFF mode, then hold **▲**+**▼** together.
- 2 Set fan speed.** Press **Mode** to ON mode and set the speed with **▲** **▼**. This is also the top speed AUTO will use.
- 3 Set AUTO triggers.** In AUTO mode, set High temp, Low temp, High humidity and Low humidity thresholds with **▲** **▼**. When one is crossed, fans ramp up to the ON speed, then slow down when conditions return to normal. Hold **▲**+**▼** to turn a trigger OFF.
- 4 Lock it.** Hold **Leaf** for 3 s to lock or unlock. Tap **Leaf** to turn the screen on/off.

MODE	Mode cycles ON → OFF → AUTO → ALARM → TIMER. Hold Mode to go back.
OFF	Fans off. ▲ ▼ sets screen brightness: 1, 2, 3, A3.
ALARM	Temp/humidity alarms ramp fans to max (in AUTO, ON, TIMER). Hold ▲ + ▼ = OFF.
TIMER	Countdown at the ON speed, then stops. Starts 3 s after your last press.

USING THE INCLUDED SPEED KNOB INSTEAD

Each fan includes an analogue speed controller. Plug it into the fan's RJ12 control socket instead of the Smart Fan Controller. With nothing connected, the fan runs at full speed.

TROUBLESHOOTING

Won't start at low speed	EC fans need over ~30% to start (they run down to ~20%). Turn the speed up until it starts, then back down.
"—" on the screen	Sensor not detected. Push its plug fully into the SENSOR jack.
Second fan not running	It needs its own 3.5 mm-to-RJ12 adaptor (sold separately) in OUT2.
Full speed unexpectedly	No signal = full speed. Check the control lead is fully seated at the fan and the controller.
Buttons do nothing	Controller is locked. Hold Leaf for 3 s.

Fan RJ12 pins: 6 red +10 V out (50 mA max) · 4 yellow speed in, 0–10 V or PWM 1–10 kHz · 3 black GND · 2 white tach (3 pulses/rev) · 1, 5 unused. 0–10 V: start >3 V, min ~2 V, max 9.5 V, stop <1 V.

Keep the fan's plug and power point dry. Unplug before servicing.