

Growbud Controller

Mount, wire, power, pair, and test four irrigation zones.



Install

1

Inspect the kit

Confirm the Growbud Controller, 915 MHz LoRa antenna, 2.4 GHz BLE antenna, and sealing caps are present and undamaged.

2

Attach antennas, then mount

Connect both antennas before power. Mount the enclosure with the valve panel facing the irrigation manifold. Cap every unused outdoor port.

3

Connect valves and power

Use Growbud valve harnesses at OUTPUTS 1-4. All four valves must be the same type. For latching DC, contact A (brown) is positive and B (blue) is negative: red to brown, black to blue. Polarity does not matter in AC mode. Use USB-C PD or 12 VDC for latching DC valves. Use 24 VAC at the POWER connector for 24 VAC valve drive.

TURN OVER TO PAIR + TEST →

Commission

4

Pair in the Growbud app

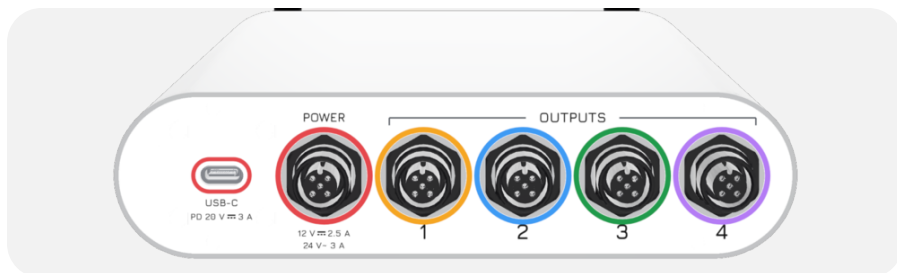
Apply power and confirm the USER button illuminates. Press it once; the button blinks while the controller advertises over Bluetooth. In the app choose Add Device, name the controller, and assign a room or zone.

5

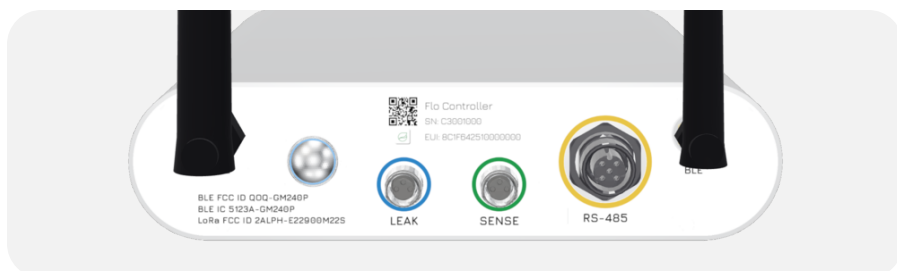
Configure and test each zone

Select LoRaWAN, Modbus Slave, Modbus Master, BACnet MS/TP, or CANopen Master/Slave as needed. Name each valve zone, then toggle every valve once and confirm the correct zone actuates. On latching DC, a zone that opens when commanded closed is wired backwards: swap A and B.

PANEL A · POWER + OUTPUTS



PANEL B · DATA + ACCESSORIES



ELECTRICAL WARNING

Disconnect all power before wiring. Installation should be performed by qualified personnel. Valve outputs are for solenoid coils only. Never connect motors, pumps, or heaters.

SUPPORT

support@growbud.io · growbud.io/guides