

Shelly Wave 1



AUTOMATE YOUR IRRIGATION SYSTEM FOR EFFORTLESS GARDENING

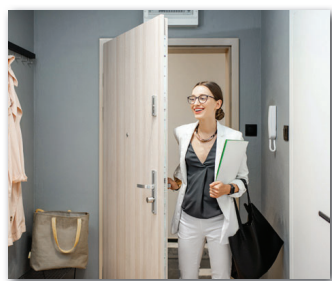
Keeping your garden green with a busy lifestyle can be challenging, but with an automated irrigation system, you can effortlessly manage your garden's watering needs with a tap on your smartphone.

CONTROL YOUR GARAGE DOOR REMOTELY

Have you closed the garage door after leaving your home? From now on, simply make sure by checking on your smartphone. Wave 1 has operational voltages of 12V DC and 24-48V DC, which make it perfect for garage door control.

SET UP ASSOCIATIONS AND LET YOUR HOME WELCOME YOU

Configure Wave 1 and other devices in your Z-Wave network and create associations between them for direct communication without a gateway. Automate your door lock and lights and set a rule: whenever the front door is unlocked, the lobby/hallway lights turn on.



Z-Wave operated

Connect Wave 1 to your Z-Wave network and control it remotely. It's compatible with all certified Z-Wave gateway



Associations

Establish direct communication between devices in your Z-Wave local network and set custom actions with no hub present



Dry contact

Connect different power supply loads (up to 16A) to the device



Wide range of voltage support

Use a wide range of output voltage levels. Supports low voltages



Smart schedules

Create personalized schedules aligned with your daily routine or synchronize with sunrise/sunset to manage your lighting (gateway required)



Smart scenes

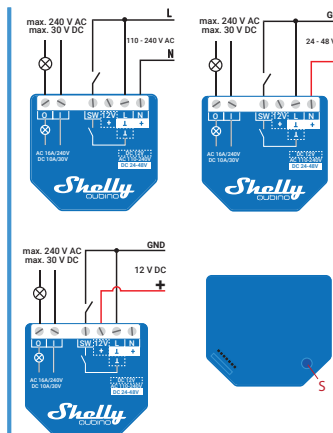
Set custom scenes by combining Wave 1 with any other Z-wave devices (gateway required)

WHY SHELLY QUBINO WAVE 1?

Control a wide range of devices and office equipment, such as electrical locks, gates, garage doors, irrigation systems, LED strips, lights, and sockets, from anywhere. The output contact is voltage-free (dry contact), allowing you to connect various power supply loads of up to 16 A to the device.

TECHNICAL SPECIFICATIONS

Power supply	110-240 VAC, 50/60 Hz / 24-48 V DC / 12 V DC \pm 10%
Power consumption	< 0.3 W
Max. switching voltage AC	240 V
Max. switching current AC	16 A
Max. switching voltage DC	30 V
Max. switching current DC	10 A
Overheating protection	Yes
Distance	Up to 40 m indoors (depends on local condition)
Z-Wave™ repeater	Yes
CPU	Z-Wave™ S800
Z-Wave™ frequency bands	868,4 MHz; 865,2 MHz; 869,0 MHz; 921,4 MHz; 908,4 MHz; 916 MHz; 919,8 MHz; 922,5 MHz; 919, 7-921,7-923,7 MHz; 868,1 MHz; 920,9 MHz
Maximum radio frequency power transmitted in frequency band(s)	< 25 mW
Dimensions (HxWxD)	37x42x16 mm
Ambient temperature	-20°C to 40°C
Mounting	Wall console



LEGEND

Device terminals:

- **N:** Neutral terminal
- **L:** Live terminal (110–240 V AC)
- **SW:** Switch/push-button input terminal (controlling 0)
- **I:** Load circuit input terminal
- **O:** Load circuit output terminal
- **12V+:** 12 V DC positive terminal
- **+**: 24 - 48 V DC positive terminal
- **⊥:** 12 / 24 - 48 V DC ground terminal
- **S:** S button (Fig. 4)

Wires:

- **N:** Neutral wire
- **L:** Live wire (110-240 V AC)
- **+**: 12 / 24-48 V DC positive wire
- **GND:** 12 / 24-48 V DC ground wire

