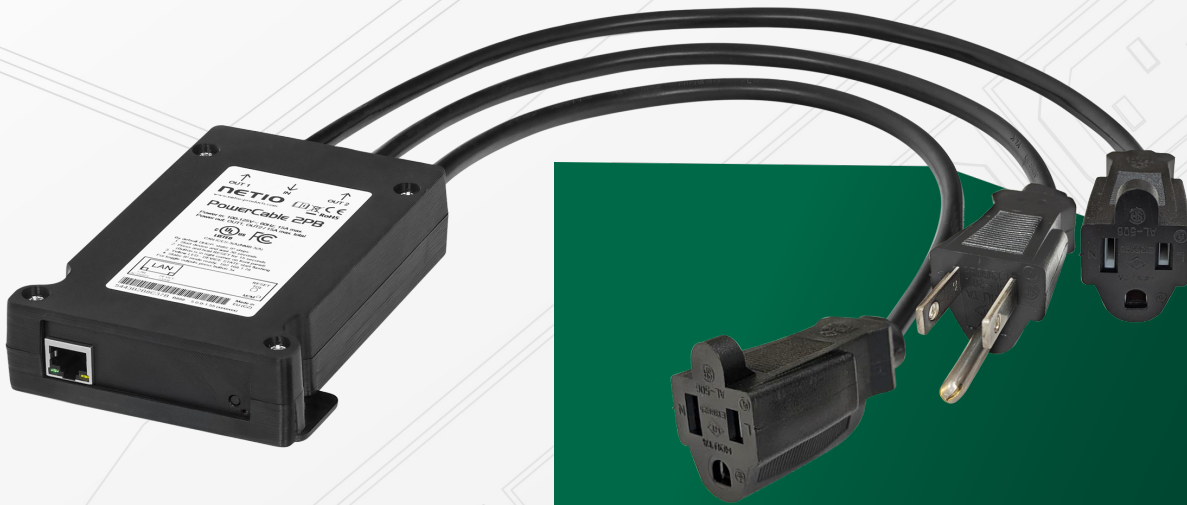# PowerCable 2PB

NETIO

PowerCable 2PB is a FLAT PDU (Power Distribution Unit) with 2 power outputs (2x NEMA 5-15R) controlled over a LAN or WiFi. Each output can be switched on/off/toggle individually over the web interface, NETIO Cloud service or the mobile app. Open API enables integration with 3rd party systems. using a wide range of protocols (http JSON, Modbus/TCP, SNMP, MQTT-flex, Telnet, ...).

- LAN (Ethernet) & WiFi
- **Input:** NEMA 5-15P
- **Output:** 2x NEMA 5-15R sockets

- **HTTPs supported,** Open API (10 protocols, M2M API)
- **Mobile app:** NETIO Mobile 2
- **Online Service:** NETIO Cloud

Each output can be switched On/Off remotely. Outputs can be switched ON in a sequence after a power-up or restoration by configuring a custom power-up delay interval for each output individually.

NETIO PowerCable 2PB with its small flat body is a perfect pick for small spaces or to use behind the screen.

The **NETIO Mobile 2** app controls each output individually over LAN (local network) or NETIO Cloud.

NETIO Cloud is a SSL-secured service for controlling multiple devices from anywhere (Web or Cloud API).

Open API (such as HTTPs, XML/JSON over HTTP, SNMP, Modbus/TCP, MQTT-flex, Telnet and others...) enables integration with third party systems (controlling the outputs over the network).

AV drivers make it easy to connect NETIO sockets to a professional Audio/Video control systems such as Utelogy, Crestron, Control4, RTI, Savant and more.

The Scheduler function (calendar) - time based switching.

UL Certification

TAA Compliant

Remote switching on/off or power-cycling of the electrical outputs

Central web interface for controlling multiple devices

Controlled power-up: Outputs are switched on in a defined order with a delay

Drivers for AV systems and installations (Utelogy, Crestron, Control4, RTI, ELAN, SKAARHOJ…)

Energy savings - SOHO applications

FEATURES

- 2x NEMA 5-15R power output
- Each output can be switched on/off individually
- Methods for controlling each output:
  - WEB browser
  - Mobile app: NETIO Mobile 2 (iOS and Android)
  - NETIO Cloud
  - Scheduler
  - Watchdog (Ping)
  - Rules & Conditions
  - Open API (10 protocols)

- **NETIO Mobile 2**: Mobile app
- **NETIO Cloud**: Service for controlling multiple devices

- **ZVS** (Zero Voltage Switching): The relay is switched when the voltage crosses zero. It reduces relay wear and allows switching devices with a high Inrush Current.

- **Ping Watchdog**: "Heartbeat" detection function.
- **FW upgrade** over the Web interface
- **The Scheduler function**: Time based switching

- **Open API (protocols)**
  - JSON over HTTP(s)
  - Modbus/TCP
  - MQTT-flex
  - Telnet
  - SNMP (SNMP v1/v3)
  - XML over http(s)
  - URL API – http get
  - HTTP Push JSON / XML

- Supported protocols: HTTP(s), DNS, NTP, uPNP, DHCP, ICMP, TCP/IP

SUPPORT FOR USERS AND DEVELOPERS

- NETIO Wiki – library for developers
- ANxx (Application Notes) with examples
- NETIO Drivers – for AV control systems

SPECIFICATIONS

POWER

- Power input: NEMA 5-15P (100-125V AC)
- Power output: 2x NEMA 5-15R, max 15A each (UL rating 12A)
- Each output: On/Off (relay SPST-NO)
- **ZVS** (Zero Voltage Switching): Yes
- Internal consumption: 1-3 W
- **PowerUp State**: Default output state (On/Off/Last state)
- **PowerUp Delay**: Delay before switching output on

INTERFACES

- LAN 10/100 Mbps (RJ-45)
- WiFi 2,4 GHz (internal antenna)
- Load Defaults button (on the pannel)

ELECTRICAL MEASUREMENTS (no)

- Does not support electrical measurement

PACKAGE CONTENTS

- NETIO PowerCable 2PB
- QIG (printed Quick Installation Guide)

DIMENSIONS / WEIGHT

- PowerCable 2PB:
  - Terminal Block: 4.0158 x 1.2598 x 5.8661 in / 0.434 lb (102 x 32 x 149 mm / 197 g)
  - Cables: 3x 11.811 in (30 cm)
- Package: 10.0394 x 2.874 x 8.0315 in / 1.3118 lb (255 x 73 x 204 mm / 595 g)

OPERATING CONDITIONS

- Temperature
  - -4 °F to +131 °F (-20 °C to +55 °C)
  - For indoor use only (IP30)

NORMS: UL 62368-1, CAN/CSA C22.2 No. 62368-1, FCC 47 CFR - Part 15 , ICES-003

NETIO PowerCable	**2KB**	FLAT PDU with LAN & WiFi conection with 2 outputs NEMA 5-15R, switching and metering. 3x 11.81 in cables included.
NETIO PowerCable	**2KZ**	FLAT PDU with LAN & WiFi conection, switching and metering. Terminal block, no cables included.
NETIO PowerCable	**2PB**	FLAT PDU with LAN & WiFi conection with 2 outputs NEMA 5-15R, switching. 3x 11.81 in cables included.
NETIO PowerCable	**2PZ**	FLAT PDU with LAN & WiFi conection, switching. Terminal block, no cables included.