

Synapse 4

The Synapse 4 is an intelligent 4-channel relay pack that controls power to lighting fixtures via DMX, signal loss, or an internal scheduler, while also functioning as a built-in 4-port DMX opto-isolator.

Ideal for any permanent installation requiring automated power control and DMX signal management to conserve energy, prolong fixture life, and simplify wiring.

- Combines a 4-channel power relay pack with a 4-port optically isolated DMX splitter.
- Automates power control to reduce energy costs and extend fixture lifespan.
- Features three control modes: DMX, DMX signal loss sensing, or an internal scheduler.
- Amplifies and distributes DMX signals via four optically isolated 5-pin outputs.
- Installs easily with versatile rack, wall, or truss mounting options.
- Each of the four outputs is protected by a dedicated 20A, 250V breaker.



SPECIFICATIONS

Construction / Physical

Dimensions: 19 x 7.87 x 1.75 in (483 x 200 x 44.5 mm)

Weight: 6 lb (2.8 kg)

Exterior Color: Black

Rackmount: 1U

Connections

Power Connection: Edison (Local) plug to Neutrik powerCON

Power Input: Neutrik powerCON

Power Output: Neutrik powerCON

Data Connectors: 5-pin XLR

Cable Length (power): 5 ft (1.5 m)

Control

Control Protocol: DMX

DMX Channels: 1 or 4

Electrical

Input Voltage: 100 to 240 VAC, 50/60 Hz (auto-ranging)

Main breaker size: 20 A, 250 V

Breaker size per output: 20A, 250 V

Certifications / Qualifications

Certifications: CE

IP Rating: IP20, dry location

Optional Accessories

Professional Clamps: CTC-50HC, CTC-50HCN

Neutrik powerCON cables

5-pin DMX Cables

What's Included

Synapse 4

Neutrik powerCON power cord