



HOME



# NV-SPH1

Powered Fan Hub Set with NV-PS1 230/115V AC to 12V DC Power Supply and NV-FH2 8-way Fan Splitter Board, Ideal for Powering 12V PC Fans off The Mains

Combining the NV-FH2 8 channel PWM fan hub with the NV-PS1 230/115V 24W power supply, the NV-SPH1 powered hub set is the ideal solution for powering up to eight 12V fans off the mains for home, office or multi-purpose ventilation applications. For stepless speed control of PWM fans, the optional NA-FC1 controller can be connected to the 4-pin input of the NV-FH2, and if more than eight fans are required, additional NV-FH2 hubs can be daisy-chained. Both the NV-FH2 and the NV-PS1 carry CE, UKCA and UL certifications, are fully compliant with all applicable safety standards and come with Noctua's 6-year manufacturer's warranty. In short, the NV-SPH1 is a complete premium set for powering multiple 12V fans from wall outlets and can be easily expanded with the optional NA-FC1 controller as well as additional NV-FH2 boards.

### NV-FH2 fan hub

The NV-FH2 is a premium-grade 8 port fan splitter board that can take power via its 5.5mm barrel connector input and use its 4-pin PWM input for RPM monitoring and PWM control. With its removable clip-on cover, magnetic fixture and extra screw holes, it's highly flexible and right at home in just about any application.

### NV-PS1 power supply

The NV-PS1 is a high quality 24W power supply with wide-range input (115/230V) and socket adaptors for EU, UK and US. With its excellent efficiency and minimum standby power consumption, it's a perfect choice for powering 12V fans from wall outlets.

### Ideal combination with the NA-FC1 fan controller

The NV-SPH1 set is ideal for controlling multiple fans using the optional NA-FC1 controller. Thanks to a reverse-power design on the 4-pin input of the NV-FH2, the NA-FC1 can control the connected fans even if the hub is powered via 5.5mm barrel connector and if there is no other connection or input on the 4-pin interface.

### Safety certifications

Both the NV-FH2 and the NV-PS1 have been carefully tested for product safety and EMC compliance. Carrying CE, UKCA and UL certifications and meeting all applicable standards (EN 62368-1, EN 55032), they are safe, quality devices through and through.

### Wide range AC input, EU/US/UK plugs included

The NV-PS1 supports an input range of 90~264V AC (47-63Hz), making it fully compatible with both 115V and 230V grids. Including modular connectors for type C (CEE 7/16, for Europe, Russia, Brazil, South Africa, etc.), type A (NEMA 1-15, for USA, Canada, Mexico, Japan, etc.) and type G (BS 1363, for UK, Ireland, Singapore, etc.), the NV-PS1 is fit to run in a broad variety of environments.

### Cascading support for up to 71 fans

The NV-FH2 supports cascading in the sense that up to ten NV-FH2 units can be daisy-chained in order to run and control up to 71 fans. The NV-FH2's control circuit with single bus buffer keeps PWM signals stable without jeopardising TTL logic levels on the follower boards.

### Ideal combination with optional NA-FC1 fan controller

The NV-FH2 is ideal for controlling multiple fans using the NA-FC1 controller. Thanks to a reverse-power design on the 4-pin input of the NV-FH2, the NA-FC1 can control the connected fans even if the hub is powered via 5.5mm barrel connector and there is no other connection or input on the 4-pin interface.

### 6-year manufacturer's warranty

Noctua products are renowned for their impeccable quality and outstanding longevity. Like Noctua's fans and heatsinks, the NV-FH2 and NV-PS1 contained in the NV-SPH1 set are robust, dependable products that have been carefully engineered to stand the test of time.

## LOGISTIC DATA

<b>Product name</b>	Noctua NV-SPH1
<b>EAN</b>	9010018900170
<b>UPC</b>	841501190179
<b>Packaging dimensions (HxWxD)</b>	45x168x145 mm
<b>Weight incl. packaging</b>	320 g
<b>Warranty</b>	6 years
<b>Packaging unit</b>	40 pcs
<b>Packaging dimensions / unit (HxWxD)</b>	325x495x360 mm
<b>Weight incl. packaging / unit</b>	13.90 kg



HOME



# NV-SPH1

Powered Fan Hub Set with NV-PS1 230/115V AC to 12V DC Power Supply and NV-FH2 8-way Fan Splitter Board, Ideal for Powering 12V PC Fans off The Mains

### NV-FH2 SPECIFICATIONS

Output connectors	8x 4-pin PWM
Input connectors	1x 5.5mm (outer diameter) / 2.1mm (inner diameter) barrel connector, 1x 4-pin PWM
Max. power via barrel connector input	60 W
Max. power via 4-pin PWM input	22 W
Operating voltage	5-24 V
Operating temperature	-40 °C to +60 °C
Flammability class	UL-94 V-0
Safety standards	EN 62368-1, EN 55035, EN 55032, UL-62368
Certifications	CE, UKCA, UL
Size	93x62x12.5mm (without cover) / 93x62x19mm (with cover)
Weight	47 g
Fan compatibility	All Noctua 24V, 12V, and 5V fans, many third party fans
Warranty	6 years

### NV-PS1 SPECIFICATIONS

Input voltage	90~264 V AC
Input frequency	47~63 Hz
Standby power consumption	0.075 W
Protection	Over voltage, over current, short-circuits
Protection class	II
Operating temperature	0~40 °C
Operating humidity	8~90 %
Safety standards	EN 60950-1:2006+A11+A1+A12+A2, EN 62368-1, IEC 62368-1:2014, UL 60950-1 (2nd Edition), CAN/CSA C22.2 No. 60950-1-07 (2nd Edition)
EMC standards	EN 55032 Class B, FCC Part 15 Subpart B Class B
Input connectors (included)	type C (CEE 7/16, for Europe, Russia, Brazil, South Africa, etc.), type A (NEMA 1-15, for USA, Canada, Mexico, Japan, etc.) and type G (BS 1363, for UK, Ireland, Singapore, etc.)
Output connector	5.5mm (outer diameter) / 2.1mm (inner diameter) barrel with NA-AC10 4-pin PWM adaptor cable
Cable length	1.5 m
Warranty	6 years

### SCOPE OF DELIVERY

- NV-FH2 fan hub
- NV-PS1 power supply
- EU socket adaptor (Type C)
- UK socket adaptor (Type G)
- US socket adaptor (Type A)