

# NL8 panel mount (NL8MPR), two SPI outputs per jack · 16/3 · inside the pylon rack

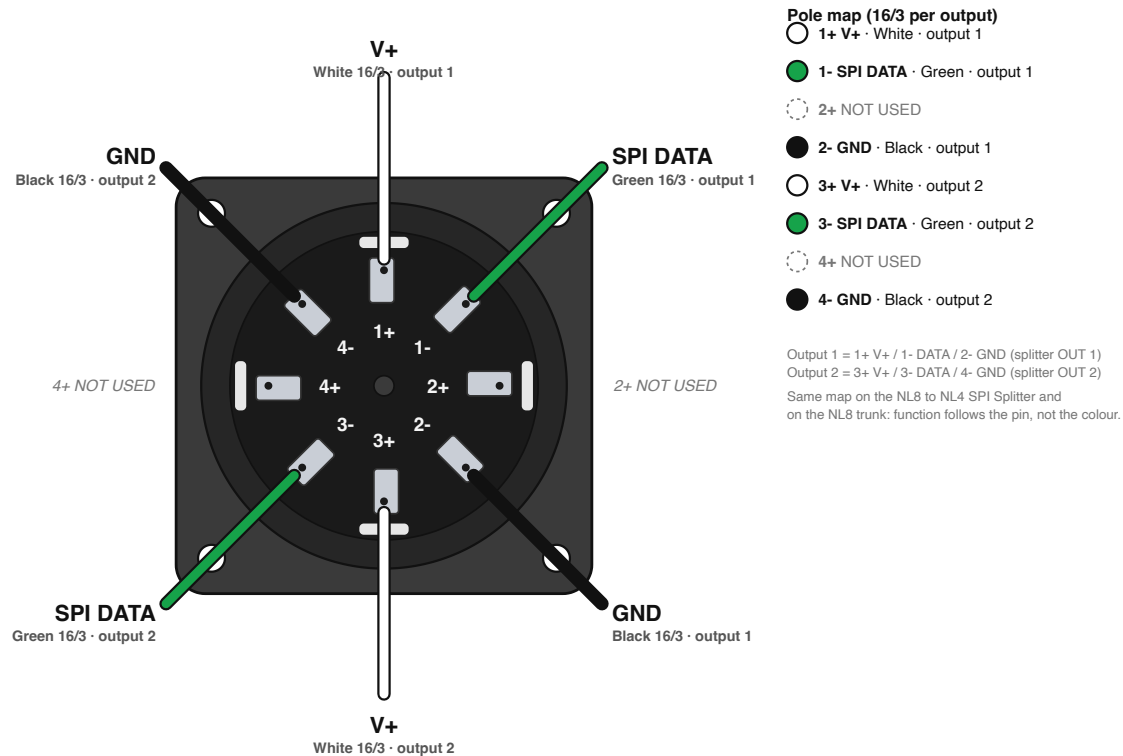
Wire diagram · 5 NL8 jacks on the rack front plate · KG3 · BEA 2026 (Beabadoobee Headline Tour) · rev Sep 17, 2026

**What it is:** the wiring behind each NL8 output jack on the rack front plate. Two Advatek A4-S Mk3 outputs land on one NL8, each on its own **16/3 SOOW** cable: **output 1 on poles 1+ / 1- / 2-**, **output 2 on poles 3+ / 3- / 4-**.

**WHITE = V+, GREEN = SPI DATA, BLACK = GND.** 2+ and 4+ are **NOT USED** (no wire, no jumper). Same map on the NL8 trunk and on the NL8 to NL4 SPI Splitter: OUTPUT 1 = poles 1/2, OUTPUT 2 = poles 3/4.

## NL8 Panel Mount (NL8MPR) - 2x SPI Pixel LED outputs - 16/3 wire

Solder side of the rack jack, as seen inside the rack. Two 16/3 SOOW cables (White / Green / Black), one per Advatek output. 2+ and 4+ NOT USED.



Wire map of record: NeonOS cable type NL8 to NL4 SPI Splitter / wirediagramcreator nl8-spi-2x. Geometry: NL8MPR solder side, 1+ at 12 o'clock under the key.

Pole map, solder side of the panel jack

| NL8 POLE | OUTPUT            | FUNCTION  | 16/3 CONDUCTOR    | LANDS ON                       |
|----------|-------------------|-----------|-------------------|--------------------------------|
| 1+       | Output 1          | +24V (V+) | <div></div> White | Advatek output 1 V+ terminal   |
| 1-       | Output 1          | SPI DATA  | <div></div> Green | Advatek output 1 DATA terminal |
| 2+       | NOT USED, no wire |           |                   |                                |
| 2-       | Output 1          | GND (V-)  | <div></div> Black | Advatek output 1 GND terminal  |
| 3+       | Output 2          | +24V (V+) | <div></div> White | Advatek output 2 V+ terminal   |
| 3-       | Output 2          | SPI DATA  | <div></div> Green | Advatek output 2 DATA terminal |
| 4+       | NOT USED, no wire |           |                   |                                |
| 4-       | Output 2          | GND (V-)  | <div></div> Black | Advatek output 2 GND terminal  |

Function follows the pin, never the colour. If a jacket shows different colours, land by function and tell Kenny. Same map on every one of the 5 jacks.

**Rule of record (Kenny, Sep 17 2026):** this replaces the Sep 4 "16/4 with clock on 2+ / 4+" sheet. Nothing on this tour carries clock. Verify every conductor end to end before the rack ships.

KG3 LLC · Nashville TN · Build per the KG3 Cable Build Standard: continuity test every conductor end to end · label the run (A / B) on each 16/4 tail at the Advatek end · log the build in the task. Pin geometry from the KG3 wire-diagram database (NL8MPR male panel, solder view, 1+ at 12 o'clock under the key).