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# GPSAV4: GPS Antenna Distributor (4-port, external)

The GPSAV4 redistributes a signal from a Meinberg [1]GPS antenna/converter unit to four outputs, which in turn are connected to up to four Meinberg GPS receivers. The signal distributor is fitted with an internal amplifier to minimize signal attenuation.

**The direct use or connection of GNSS L1 components is not possible.**

## Key Features

- Up to 4 GPS Receiver with one Antenna
- No additional Power Supply necessary
- GPSAV4 antennas with three cascading levels

## Description

The GPSAV4 is supplied with power via the GPS receiver connected to output connector 1. This output must therefore always be enabled; the others can be left disabled as necessary.

The signal distributor is in a plastic housing fitted with five standard Type N input and output connectors.

Multiple GPSAV4s can be connected in a cascaded structure (up to a maximum of three levels).

You can find continuative information here:

Application of the GPS Antenna Splitter

## Characteristics

| | |
|---|---|
| **Signal Propagation Delay** | Additional Path Delay: 50ns |
| **Gain** | 0 ... +3 dB |
| **Operating Voltage** | 12 V ... 18 V DC (from GPS receiver at output no.1) |
| **Current Draw** | ca. 20 mA |
| **Mixing Frequency** | Mixture frequency: 10 MHz<br>Intermediate frequency: 35.4 MHz |
| **Physical Dimensions** | 182 mm x 65 mm x 37 mm (width x depth x height) |
| **Supported Temperature** | Operational: 0 - 50 °C (32 - 122 °F)<br>Storage: -20 - 70 °C (-4 - 158 °F) |
| **Supported Humidity** | Max. 85 % (non-condensing) at 40 °C |
| **Warranty** | Three-year warranty |
| **RoHS Status of Product** | This product is fully RoHS-compliant. |
| **WEEE Status of Product** | This product is handled as a B2B (Business to Business) category product. To ensure that the product is disposed of in a WEEE-compliant fashion, it can be returned to the manufacturer. Any transportation expenses for returning this product (at end-of-life) must be covered by the end user, while Meinberg will bear the costs for the waste disposal itself. |

#### Manual

The English manual is available as a PDF file: [2]Download (PDF)

**Links:**

[1] https://www.meinbergglobal.com/english/products/gps-antenna-converter.htm
[2] https://www.meinbergglobal.com/download/docs/manuals/english/gps-av4.pdf