



Meinberg Radio Clocks

Lange Wand 9

31812 Bad Pyrmont, Germany

Phone: +49 (5281) 9309-0

Fax: +49 (5281) 9309-30

<https://www.meinbergglobal.com>

info@meinberg.de

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

GPSAV4 Data Sheet

Characteristics

Signal 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 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) 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/gpsav4-datasheet.pdf>