



# MANUAL

## GPS-CON

**External Power Supply  
Railmount or Wallmount**

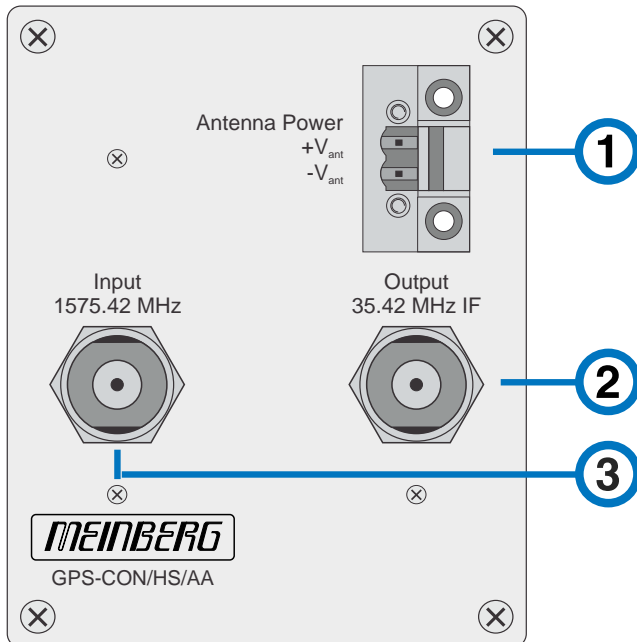
23rd September 2013

Meinberg Radio Clocks GmbH & Co. KG

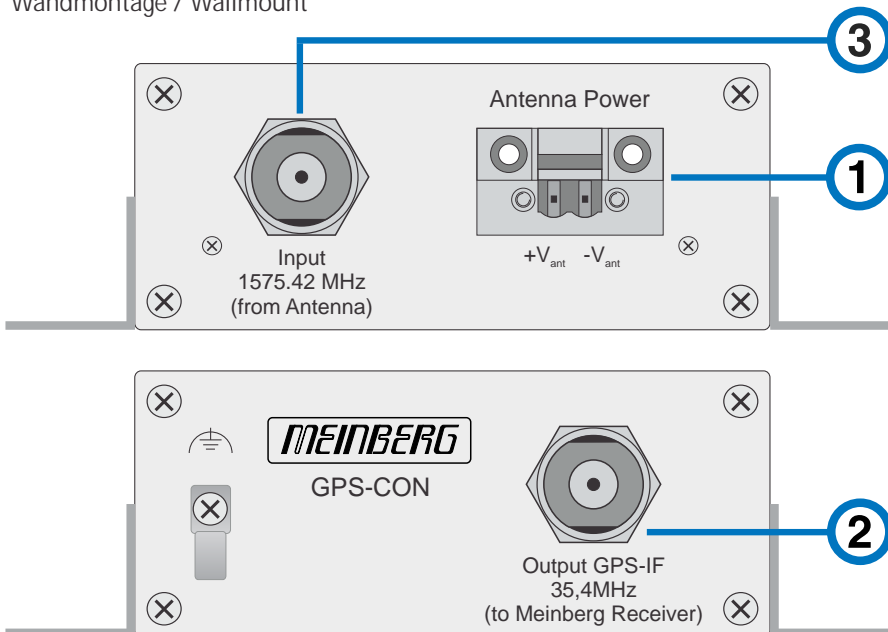


## Front view (Frontansicht) GPS-CON

Hutschienengehäuse / Railmount Housing



Wandmontage / Wallmount



### DEUTSCH

1. Spannungsversorgung einer aktiven Antenne (bitte die Herstellerangaben genau beachten um Schäden an der Antenne zu vermeiden)
2. Frequenz Ausgang 35.42MHz IF, N-Norm
3. Frequenz Eingang 1575.42MHz, N-Norm

### ENGLISH

1. Power supply of an active antenna (Please read the manufacturer's specifications exactly to avoid antenna damage)
2. Frequency output 35.42MHz IF, N-type
3. Frequency input 1575.42MHz, N-type

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# 1 Impressum

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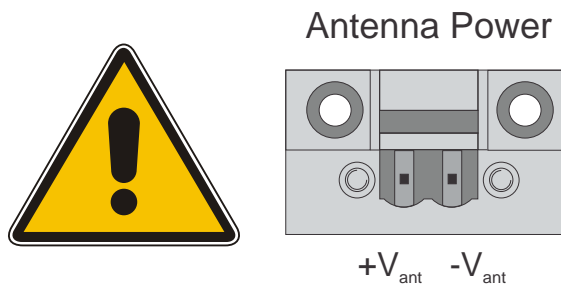
Date: 2011-01-10

## 2 Safety Instructions

### ATTENTION!

The antenna power terminal on the front panel is only to use for power supply of an external active antenna. The operating voltage of the converter is provided by the connected MEINBERG receiver.

In order to avoid antenna damage, please read exactly the technical specifications of the antennas manufacturers.

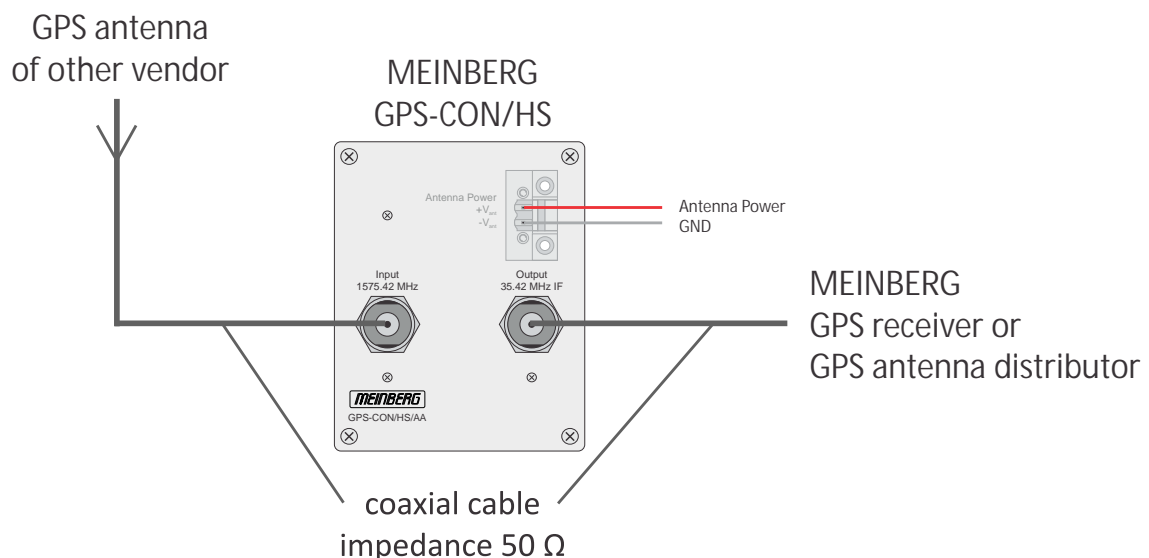


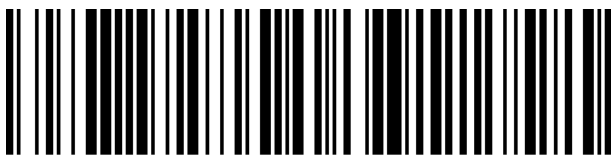
### 3 Technical Specifications GPS CONVERTER

The Meinberg GPS converter allows the connection of a GPS L1 antenna (1575.42MHz) of other vendors to a Meinberg GPS receiver.

The module doesn't provide any DC voltage for powering active antennas, the DC voltage has to be applied externally via the 2-pin screw terminal.

INPUT:	receive frequency: 1575.42 MHz Input Level: -75dBm...-130 dBm
CONVERTER:	mixture frequency: 10 MHz Intermediate frequency: 35.4 MHz  Power supply of converter is provided by the connected Meinberg GPS receiver via the coaxial cable
CONNECTORS:	female type N connector for GPS antenna (option: femal SMA connector) female type N connector for Meinberg receiver 2-pin Phoenix screw terminal for an <u>active</u> antenna
AMBIENT TEMPERATURE:	<b>Note:</b> The power supply which is to be connected depends on the active antenna. Please note exactly the manufacturer's specifications of the antenna! 0 ... +50°C
FORM FACTOR:	Aluminium housing for 35mm DIN mounting rails (Height: 105mm, Width: 85mm, Depth: 104mm)  Aluminium case for wallmount (bracket holes fit for 19 inch mounting rack) (Height: 44mm, Width: 105mm, Depth: 166mm)





GPS-CON\_140211