



Meinberg Radio Clocks

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SDU-R/SIN/NET/RPS: 1 - 25 MHz Frequency Sine Distribution Unit

The SDU-R/SIN/NET/RPS is a distribution unit, designed to provide 16 buffered 1 - 25 MHz sine wave signals with low additive phase noise.

* SDU-R/SIN/NET/RPS: Rackmount distribution unit for 16 x sine outputs with redundant input signals, redundant power supply and signal changeover unit

* Option: SDU/SIN - single input distribution unit without redundancy and without remote functionality

Key Features

- 16 outputs in an 1U chassis
- Internal switchover, 2 Error inputs and alarm relay
- Status LEDs of power supplies and switch card (selected input source, remote function, initialisation)
- One or two distribution modules
- Compact 1U housing, 19-inch rack mount option
- Redundant input signal and power supplies
- System monitoring via Meinberg Device Manager

Description

The SDU-R/SIN/NET/RPS distributes the input signals, which is provided to one or both inputs. If the unit is used in redundant mode, the internal decision logic, monitors both signals and chooses one input for distribution automatically.

The input signal can also be selected manually with the switch on the front panel.

The monitor programm Meinberg Device Manager, shows the level of all inputs and outputs, status of the power supplies and the internal system temperature.

Characteristics

Input signal	1 - 25 MHz sine wave, - 8 to + 8 dBm, BNC female
Output signal	1 - 25 MHz sine wave into 50 Ohm, BNC female Gain 0 dB
Physical dimensions	483mm x 43,7mm x 285mm (width x height x depth)
EMC Directives	IEC/EN 61000-6-3 Emission standard for residential, commercial and light-industrial environments IEC/EN 55032 Electromagnetic Compatibility of Multimedia Equipment IEC/EN 61000-6-2 Immunity standard for industrial environments IEC/EN 55024 Immunity standard for information technology equipment - limits and methods of measurement
Power supply	PWR-AD10: 100-240 V AC (50 - 60 Hz) / 100-200 V DC PWR-DC20: 20-60, V DC Also available as redundant combination
Power Supply Unit	<p>PSU AD10 UN 100 - 240 V AC U_{max} 90 - 264 V AC P_{max} 15 W</p> <p>-----</p> <p>UN 100 - 200 V DC U_{max} 90 - 240 V DC P_{max} 15 W</p> <p>PSU DC20 UN 48 V DC U_{max} 20 - 60 V DC P_{max} 15 W</p>
Form Factor	19 inch multipac metal case 1U/84HE
Protection	IP30

Ambient temperature	0 ... 50°C / 32 ... 122°F
Humidity	Max. 85%
Technical Support	Meinberg offers free lifetime technical support via telephone or e-mail.
Warranty	Three-Year Warranty
RoHS-Status of the product	This product is fully RoHS compliant
WEEE status of the product	This product is handled as a B2B category product. In order to secure a WEEE compliant waste disposal it has to be returned to the manufacturer. Any transportation expenses for returning this product (at its end of life) have to be incurred by the end user, whereas Meinberg will bear the costs for the waste disposal itself.

Manual

The english manual is available as a PDF file: [1][Download \(PDF\)](https://www.meinbergglobal.com/download/docs/manuals/english/sdu-sine.pdf)

Links:

[1] <https://www.meinbergglobal.com/download/docs/manuals/english/sdu-sine.pdf>