



## Meinberg Radio Clocks

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## C28COM: DCF77 radio clock module

For connection via RS232 interface of computers

### Important Note

This product is no longer available and may have been replaced by a newer product. We will, of course, continue to provide support for units that have already been purchased and are still in use. Please contact our [1][Sales Department](#) for further details.

### Key Features

- Straight receiver with automatic gain control
- RS232 time telegram
- Bicolor LED for indication of time marks and status
- Integrated microcontroller
- Integrated antenna
- Power supply via computer RS-232 interface

## Description

The radio clock C28COM was designed for operation in combination with RS232 interfaces. Besides the antenna and the DCF77 receiver, the module includes a microcontroller for decoding the DCF77 telegram. C28COM provides a Meinberg Standard Telegram that includes information on date, time and status of the clock via its transmission line. An integrated bicolor LED signals the synchronous state of the clock and the demodulated time marks. C28COM is powered by control lines of the RS232 interface, an external power supply is not necessary.

## Characteristics

<b>Receiver Type</b>	Narrowband tuned radio frequency receiver with automatic gain control, reception frequency: 77.5 kHz, bandwidth approx. 40 Hz
<b>Type of Antenna</b>	Built-in ferrite antenna
<b>Display</b>	Bicolor LED for indication of synchronous state of the clock and the demodulated time marks
<b>Reception Monitoring</b>	DCF77 decoding and plausibility check by integrated microcontroller
<b>Interface</b>	Single serial RS-232 interface
<b>Serial Time String Output</b>	Baudrate: 9600 baud, data format: 7E2 Serial [2] <a href="#">Meinberg Standard Telegram</a> including information regarding time, date and status of the clock
<b>Electrical Connectors</b>	Modem-cable (length 2 meters) for direct connection to a computer RS-232 Female ninepole SUB-MIN-D-connector
<b>Operating Voltage</b>	Via control lines of a computer RS-232-interface, no external power supply required
<b>Form Factor</b>	Unbreakable plastic case
<b>Physical Dimensions</b>	60mm x 50mm x 20mm (length x width x height)
<b>Supported Temperature</b>	Operational: 0 - 50 °C (32 - 122 °F) Storage: -20 - 70 °C (-4 - 158 °F)
<b>Supported Humidity</b>	Max. 85 % (non-condensing) at 40 °C
<b>Contents of Shipment</b>	Stick pad for mounting the case (e.g. on windows/furniture)
<b>Options</b>	[3] <a href="#">Driver software</a> for Windows and Novell case sealed with silicon (IP53) female 25-pole SUB-MIN-D connector different length of cable
<b>RoHS Status of Product</b>	This product is fully RoHS-compliant.
<b>WEEE Status of Product</b>	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: [4][Download \(PDF\)](#)

### Links:

[1] <mailto:sales@meinberg.de>

[2] <https://www.meinbergglobal.com/english/products/specs/timestr.htm>

[3] <https://www.meinbergglobal.com/english/products/>

[4] <https://www.meinbergglobal.com/download/docs/manuals/english/c28com.pdf>