



#### Meinberg Funkuhren

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## C28COM: DCF77 radio clock module

For connection via RS232 interface of computers

### **Important Note**

This product is no longer available. 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 Team 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 it's 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**

Receiver Type	Narrowband tuned radio frequency receiver with automatic gain control, reception frequency: 77.5 kHz, bandwidth approx. 40 Hz
Type of Antenna	Built-in ferrite antenna
Display	Bicolor LED for indication of synchronous state of the clock and the demodulated time marks
Reception Monitoring	DCF77 decoding and plausibility check by integrated microcontroller
Interface	Single serial RS-232 interface
Serial Time String Output	Baudrate: 9600 baud, data format: 7E2 Serial [2]Meinberg Standard Telegram including information regarding time, date and status of the clock
Electrical Connectors	Modem-cable (length 2 meters) for direct connection to a computer RS-232 Female ninepole SUB-MIN-D-connector
Operating Voltage	Via control lines of a computer RS-232-interface, no external power supply required
Form Factor	Unbreakable plastic case
Physical Dimensions	60mm x 50mm x 20mm (length x width 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
Contents of Shipment	Stick pad for mounting the case (e.g. on windows/furniture)
Options	[3]Driver software for Windows and Novell case sealed with silicon (IP53) female 25-pole SUB-MIN-D connector different length of cable
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: [4] Download (PDF)

#### Links:

- [1] mailto:sales@meinberg.de
- $\hbox{\cite{thm}$} \begin{tabular}{l} [2] https://www.meinbergglobal.com/english/products/specs/timestr.htm \end{tabular} \label{tabular}$
- [3] https://www.meinbergglobal.com/english/products/
- [4] https://www.meinbergglobal.com/download/docs/manuals/english/c28com.pdf