



Meinberg Radio Clocks

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RU226: DCF77 Receiver Unit

DCF77 Receiver Unit RU226

DCF77 Straight Receiver Unit RU226 with Automatic Gain Control

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This product is no longer available and may have been replaced by a newer product.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
- Demodulated Time Marks
- LEDs for Modulation and Field Strength Indication
- Power Down Mode
- Integrated Antenna

Characteristics

Receiver Type	Narrowband tuned radio frequency receiver with automatic gain control, reception frequency: 77.5 kHz, bandwidth approx. 40 Hz
Type of Antenna	Build in ferrite antenna
Control Elements	In case of stationary installation it is advisable to position the receiver in an optimal way. The case should be aligned at a right angle to the direction of the transmitter (Frankfurt). In normal applications it should be mounted with distance to solid steel and to TVs or computer monitors. When mounting the receiver near to metal the received signal may be deaden (attenuation), but the field-distortion causes an easier alignment of the antenna because of the "nearly-360°-character" In this case a function test is necessary.
Pulse Outputs	Demodulated time marks for further processing TTL level (when 5V supplied): V _{dd} - 1V (high) typ. 0.1V (low) Pulse width: 60...130msec (DCF-binary "0") 160...230msec (DCF-binary "1")
Electrical Connectors	4-wire cable The cable can be configured in all lengths
Operating Voltage	3.5 V ... 5 V
Form Factor	Unbreakable plastic case
Current Draw	1.2V...5.5V @ 10mA (both LEDs bright) @ 1mA in power down mode
Physical Dimensions	60mm x 50mm x 20mm (length x width x height)
Supported Temperature	0°C ... +50°C
Contents of Shipment	Stick pad for mounting the case (e.g. on windows/furniture) option: case sealed with silicon (IP54)
Warranty	Three-year warranty

Manual

The English manual is available as a PDF file: [2][Download \(PDF\)](#)

Links:

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

[2] <https://www.meinbergglobal.com/download/docs/manuals/english/ru226.pdf>