Meinberg Radio Clocks
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USB5131: DCF77 Radio Clock for the Universal Serial Bus (USB)

The USB5131 is a DCF77 Radio Clock for USB in compact plastic housing with an integrated DCF77 antenna, an (optional) external antenna can be connected to compensate degraded reception quality. This device is a perfect alternative for synchronizing computer systems where no PCI slot or serial port is available for time synchronization.

Key Features

- Universal Serial Bus (USB)
- Receiver status LEDs
- Buffered hardware clock
- Powered by USB (no extra power supply required)
- Connector for external DCF77 antenna
- Plastic Case
- 2 years warranty

Description

The USB5131 shows the reception quality via its status LED and and uses a buffered real time clock to maintain the time while powered off. There is no power supply required, it is powered by the Universal Serial Bus.

The USB5131 provides a professional solution to your time synchronization requirements in mobile applications like field data aquisition with a laptop/notebook and can be deployed whenever you need to synchronize a standalone PC, laptop or server when no PCI or serial port is available.

The drivers package for **Windows** contains a time adjustment service which runs in the background and adjusts the Windows system time continously and smoothly. A monitor program is also included which lets the user check the status of the device and the time adjustment service, and can be used to modify configurable parameters.

Driver support for Linux will be available soon.

The Meinberg Single-Driver-Concept simplifies driver installation dramatically - there is only one driver who supports all Meinberg PCI and USB devices and if you use our API to access your Meinberg timing device from within your own applications, you can use the same sourcecode for both PCI and USB devices.

Characteristics

Type of receiver	Narrowband straight receiver with automatic gain control, Bandwidth: approx. 40Hz
Synchronization time	2-3 minutes after correct DCF77 signal reception
Physical dimensions	73mm x 117mm x 24mm (L x W x H)
Antenna connector	SMB-Subminiature-coaxial-connector
Current consumption	40mA
Ambient temperature	0 ... 50°C / 32 ... 122°F
Humidity	Max. 85%
Scope of supply	Radio Clock, 3 m USB cable
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

There is no online manual available for this product: [1]Contact us

Links:

[1] mailto:info@meinberg.de