



Meinberg Radio Clocks

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LANTIME M200: Compact NTP Time Server with integrated Reference Clock

LANTIME M200 time servers can be installed to provide accurate time to small and medium sized computer networks. This entry level time server synchronizes all systems either NTP- or SNTP-compatible utilizing a built-in MEINBERG radio clock as its primary reference time source. A stable and precise oscillator is capable of bridging interferences or a temporary loss of reception.

Key Features

- Selectable Reference Sources:
 - * [1][GPS](#): Satellite receiver for the Global Positioning System
 - * [2][GLN](#): Combined GPS/GLONASS satellite receiver (L1 frequency band), can also be used for mobile applications
 - * [3][PZF](#): DCF77 correlation receiver for middle europe
 - * [4][MSE](#): Long wave receiver for Great Britain
 - * [5][WWVB](#): Long wave receiver for the US time signal

- Synchronization of NTP and SNTP compatible clients
- Web based status and configuration interface [6][\(Demo\)](#) and console based graphical configuration utility
- Supported net protocols: IPv4, IPv6, NTP, (S)NTP, DAYTIME, DHCP, HTTP, HTTPS, FTP, SFTP, SSH, SCP, SYSLOG, SNMP, TIME, TELNET
- Alert-Notification system of status change by Email, WinMail, SNMP or an external connected display
- Full SNMP v1,v2,v3 support with own SNMP-daemon for status and configuration and SNMP Trap messages
- USB Port for installing firmware updates, locking frontpanel menu access and backup/restore of configuration and log files
- Meinberg [7][GPS Antenna/Converter Unit](#) connected with up to 300m of standard coaxial cable RG58

Operating System of the SBC	Linux with nano kernel (incl. PPSkit)
Network protocols OSI Layer 4 (transport layer)	TCP, UDP
Network protocols OSI Layer 7 (application layer)	TELNET, FTP, SSH (incl. SFTP, SCP), HTTP, HTTPS, SYSLOG, SNMP
Internet Protocol (IP)	IP v4, IP v6
Network Autoconfiguration Support	IPv4: Dynamic Host Configuration Protocol - DHCP (RFC 2131) IPv6: Autoconfiguration Networking - AUTOCONF
Network Time Protocol (NTP)	NTP v2 (RFC 1119), NTP v3 (RFC 1305), NTP v4 (RFC 5905) SNTP v3 (RFC 1769), SNTP v4 (RFC 2030) MD5 Authentication and Autokey Key Management
Time Protocol (TIME)	Time Protocol (RFC 868)
Daytime Protocol (DAYTIME)	Daytime Protocol (RFC 867)
IEC 61850	Synchronization of IEC 61850 compliant devices by using SNTP
Hypertext Transfer Protocol (HTTP)	HTTP/HTTPS (RC 2616)
Secure Shell (SSH)	SSH v1.3, SSH v1.5, SSH v2 (OpenSSH)
Telnet	Telnet (RFC 854-RFC 861)
Form Factor	Desktop housing (335 x 45 x 240 mm)
Ambient temperature	0 ... 50°C / 32 ... 122°F
Humidity	Max. 85%
Scope of supply	Included in delivery is a MEINBERG outdoor antenna incl. mounting kit, pre-assembled antenna cable (except MRS, TCR and RDT models) and product documentation on USB storage.
Technical Support	Meinberg offers free lifetime technical support via telephone or e-mail.
Warranty	Three-Year Warranty
Firmware Updates	Firmware is field-upgradeable, updates can be installed directly at the unit or via a remote network connection. Software updates are provided free of charge, for the lifetime of your Meinberg product.
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.

Additional Information Additional information about the Meinberg LANTIME family of NTP time servers and other LANTIME models can be found on the [8][LANTIME NTP Time Server Family Page](#)

Manual

There is no online manual available for this product: [9][Contact us](#)

Links:

- [1] <http://www.meinberg.de/english/products/>
- [2] <http://www.meinberg.de/english/products/>
- [3] <http://www.meinberg.de/english/products/>
- [4] <http://www.meinberg.de/english/products/>
- [5] <http://www.meinberg.de/english/products/>
- [6] <http://www.meinberg.dehttp://demo.meinberg.de/>
- [7] <http://www.meinberg.de/english/products/>
- [8] <http://www.meinbergglobal.com/english/products/ntp-time-server.htm>
- [9] <http://www.meinberg.demailto:info@meinberg.de>