



Meinberg Radio Clocks

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mbgNMS: Meinberg Network Management System

Manage, Control, and Monitor your Entire Meinberg Ecosystem

Jointly developed in a partnership between Skyline Communications and Meinberg, this centralized platform automatically detects, provisions, and monitors all your Meinberg applications. mbgNMS is designed as a Network Management Solution based on [1][Skyline's DataMiner Network Management System](#) and is specially tailored to Meinberg

Key Features

- Inventory and Device Management Auto-discovery function via network scan Overview of models and modules in use Serial numbers and firmware status
- Configuration Management Backup and restore configurations Modify parameters on one or multiple devices Transfer configurations from system to system when replacing a device
- Monitoring Query status values for synchronization, network, etc.. Definition of custom alarm rules for customizable alerts (alarm templates) Trend values (visualization of values such as CPU load, number of satellites locked in, etc.)
- Firmware Management Roll out firmware updates to multiple devices
- A web-based frontend is also available to provide access to the most important features & functions without requiring the installation of client software.

Description

Belgium-based Skyline Communications is the leading international manufacturer of a multi-vendor network management and monitoring solution for the HFC broadband, satellite, IPTV, and broadcasting sectors.

DataMiner, which provides the underlying core of mbgNMS, is a Network Management Platform that has already a number of prestigious awards. DataMiner can be integrated end-to-end in existing network infrastructure and has been successfully used by many leading broadcasters, cable operators, and IPTV providers to manage their complex infrastructure more conveniently.

DataMiner is based on a wholly open architecture and supports over 5,500 drivers from almost every leading device and system vendor. It offers a vast range of features such as extensively customizable alerts, email and SMS messaging, long-term trend monitoring, professional reporting, advanced automation, smart correlation, root cause analysis, service management, real-time SLA monitoring, user-definable process flows, spectrum monitoring, mobile system access, CPE management, and much more.

The underlying DataMiner platform has been reconfigured to meet the unique needs of Meinberg systems, with the Meinberg Element Manager plugin integrated into the DataMiner framework providing all of the Meinberg-specific functionality. With the extensive feature set of mbgNMS, you can efficiently manage all of your Meinberg devices, wherever they are physically, and however big your network may be.

For more information about the Meinberg Network Management System, please visit the [Dataminer Meinberg partner page](#).

Also see [mbgNMS datasheet \(PDF\)](#).

Characteristics

Hardware Requirements

Server hardware has to comply with the following requirements:

- * Processor: 8 cores; CPU passmark > 10K
- * Memory: 32 GB
- * Hard disk: 250 GB SSD + 1 TB disk for Cassandra database
- * Network: Throughput: 100 Mbps
- * Latency:

Client hardware has to comply with the following requirements:

- * Processor: Min. 4 physical cores and 5000+ PassMark CPU benchmark
- * Memory: 8

Software Requirements

Server OS has to comply with the following requirements:

- * Operating system: Windows Server 2012 R2 or higher
- * Microsoft .NET Framework 4.6.2 or higher

The **client app** for the Meinberg Element Management System is available as a standalone application that can be installed on any computer that meets the following requirements:

- * Operating system: Windows 8 or Windows 10
- * Microsoft .NET Framework 4.6.2 or higher

Supported Models

Non modular Systems

LANTIME M100, M200, M300, M400, M600, M900

Modular Systems LANTIME M1000(S), M2000S, M3000(S), M4000, M500, XHE-Rb Chassis

IMS Modules CPU, ACM, PWR, CLK (GPS, GNSS, PZF, TCR), RSC, HPS, VSG, FDM, LIU, ESI, VSI, SCG, CPE, BPE, PIO, REL, LNE, MRI, LNO

Manual

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

Links:

[1] <https://www.meinbergglobal.comhttps://skyline.be/>

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