



DAMM TetraFlex[®] Voice and Data Log System

The DAMM TetraFlex Voice and Data Log System instantly provides comprehensive and accurate voice and data recording facilities, as well as a wide range of logging facilities for call data records

The DAMM TetraFlex Voice and Data Log System consists of three parts: the DAMM TetraFlex LogServer for recording and storing voice, data and Call Data Records (CDR), the DAMM TetraFlex LogClient for retrieving and playing back voice and data and the Log API for passing real-time call data to third-party logging systems.

Reconstruction of emergency incidents

For the reconstruction of emergency and mission-critical situations the user-friendly functionalities and comprehensive set of CDR deliver rapid and accurate incident reconstructions. Whether you wish to look up SDS content or play back voice recordings, the comprehensive search criteria allow you to search for specific subscribers or groups, user-defined intervals or selected priorities. Information about registered subscribers and positions of mobiles at the time of a specific incident is also available.

The flexible solution

The LogServer and LogClient can be connected anywhere in the DAMM TetraFlex Infrastructure network through the IP connectivity. The DAMM TetraFlex System supports attachment of more log servers to one system, and each log server can be set up individually to log independent groups of data or be used as a redundant log server.

The LogServer can be run directly on the base station. The possible feature set may be limited by the CPU power of the controller.

Each log server can be configured to serve individual needs and can be accessed by multiple LogClients or third-party logging systems through the Log API.

Radio network optimization

As an additional standard feature, the DAMM TetraFlex LogClient enables automatic logging of network status and statistical data, which provides an efficient tool for optimization and fault-finding of your network. These status and statistical data can also be accessed through the DAMM TetraFlex Network Management.

Multi-technology support

The Voice and Data Log System includes multi-technology support – this means that even if you are running a mix of TETRA, DMR and analog technologies, you only need one log system.



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Key features



The screenshot displays the TetraFlex software interface with several active windows:

- Call Statistics:** Shows a pie chart titled "Group vs individual calls" with a total of 20 elements. It indicates that 75.5% of calls are group calls and 24.1% are individual calls.
- MS Registrations:** A table listing the latest MS registrations with columns for MS, User No, MS Description, MS organization, Node, Update Type, and Timestamp.
- Status:** A "Radio Cell Configuration" table listing various radio cells with columns for Node, Timestamp, Status, Active, AIE, Sync, SCCH, Fallback, TX PWR, RX Lev, Access, RDT, SRT, FRT, SRH, FRH, Sub. Class, and more.
- Network alarm:** A "Network alarm overview" table showing alarm events with columns for Start time, End time, Node, Node status, Common status, and Sub. Reg. status.

The default language in the user interface is English. Other languages are supported.

Incident logging

- Call Data Records for
 - Group and individual calls
 - SDS messages
- Voice recording of group and individual calls
- Position of subscribers (terminals)
- Historical registration data for subscribers
- Logging priorities for selected individuals and groups
- User-defined setup of recording
- Detailed backward tracing
- Support for TETRA, DMR and analog technologies
- API connection to subscriber register enables viewing of names
- LTE-connected clients are logged in the same way as radio terminals

Log API

- Voice, CDR and SDS to third-party log system
- Real-time user datagram protocol (UDP) dataflow
- Voice stream in G.711 or TETRA coding

Security

Log data provider – integrated in the Log Server, providing:

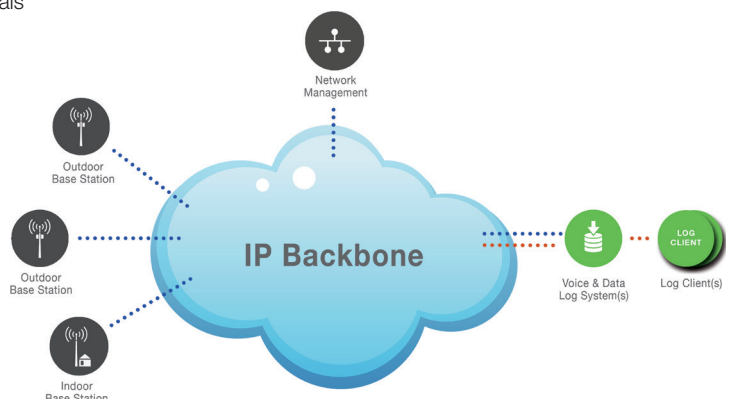
- Authentication of the LogClient based on user login
- Authorization – filtering data based on Windows access rights
- Dongle-imposed access restrictions
- Log server restrictions to certain organizations/profiles or subscribers; set up in Subscriber Register or Log Server

Network performance statistics

- Radio cell alarm, timeslot distribution and availability
- Voice gateway alarm, channels and availability
- Packet data gateway alarms
- Application gateway alarms and availability
- Improved graphical display of statistics in pie charts
- New alarm flags

Playback options

- User-defined comprehensive search criteria
- Voice is stored and played back as separate wave files
- Access to playback function from DAMM TetraFlex Network
- Statistical views with flexible time intervals



Specifications subject to change without notice

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