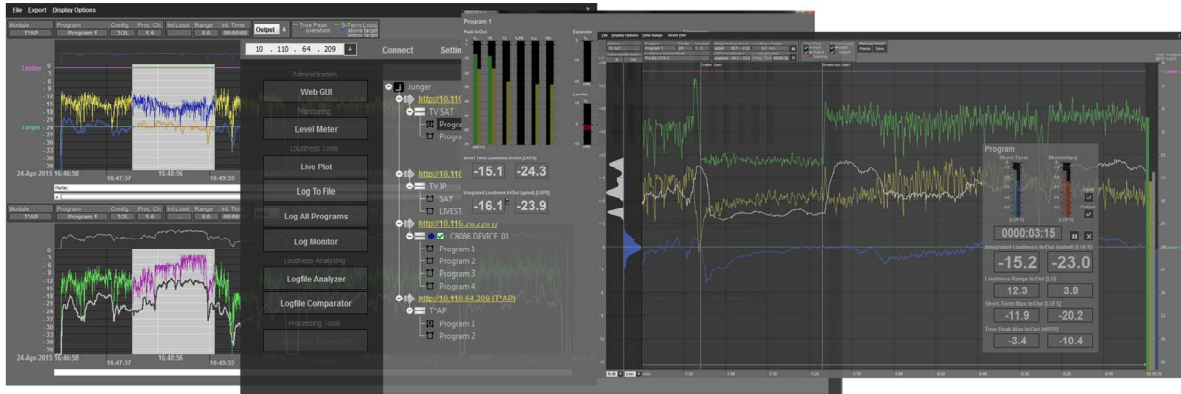jünger

J*AM – Application Manager Software, Loudness Logger & Analyzer

All current Jünger Audio devices are compatible with the J*AM Application Manager Software, a Windows platform that provides network based real-time measurement and logging of loudness and true peak values.

As loudness based normalization is rapidly being adopted around the world, broadcasters are required to measure loudness values to ensure compliance with local regulations, and often to maintain a log of historical values.

Overview
The Jünger Audio J*AM Application Manager is a Windows software package that allows real-time monitoring and measurement of loudness and true peak input and/or output values. When coupled with the optional Loudness Logger license, all measured values can be stored in files anywhere on the network for future analysis.
All current broadcast audio loudness standards are supported including ITU-R BS.1770 (1 to 4) and recommended practices ATSC A/85, ARIB TR-B32, Free TV OP-59, Portaria 354 and EBU R128.

J*AM Application Manager
Available as a free of charge download, the J*AM software can be installed anywhere on the network and communicates via Ethernet with multiple Jünger Audio devices simultaneously.
Setup and configuration is straightforward through an intuitive user interface. All connected devices are listed in the main control window. An onscreen level meter displays bar graphs of peak input and output for both stereo and surround processors, along with an indication of the gain changing activity of the leveler, dynamics and limiter sections.

Loudness Logger License
The optional Loudness Logger license gives access to long-term loudness logging, real-time measurement and advanced analytical tools.
Bar graphs and numerical readouts display short term, momentary and integrated loudness values.

A separate window can be opened which displays a live plot of short term loudness and true peak input vs output values. Further, a loudness distribution graph shows the evolution of pre-treated compared to post-treated signals over time. The license also allows for logging of measured data from all channels of each connected device to a folder location anywhere on the network. The frequency and duration of the log files can be easily customized. The log files themselves are stored in csv format, but to aid future interpretation, a comprehensive log file analyzer tool is included. This opens the selected log file and rebuilds the stored data into its original graphical plot format. The date and time stamp makes it easy to look back any specific point within the file. A zoom function allows precise analysis of the selected region whilst a log file comparator can display two plots side by side for comparison.

Key Features

· Loudness measurement according to: ITU-R BS.1770 (all revisions), EBU R128, ATSC A/85, ARIB TR-B32, Free TV OP-59 and Portaria 354
· User interface for control and communication with all connected devices
· Level meter displaying peak input and output bar graphs and processing parameter activity
· Optional bar graphs for input/output loudness parameters
· Optional live plot of input/output loudness and true peak
· Optional network based logging and analysis

Versions and Options

· Application Manager Software for D*AP, Compact, C8000 and MMA units
· License J*AM – Loudness Logger, Monitor, Analyzer