



Technology Brief:

Enhanced Local Logging

What it Means to You:

- Improves records management and security
- Supports regulatory compliance
- Supports Legally Traceable Time®

Enhanced Logging:

- Local log files, stored in ASCII, can be enabled or disabled.
- Logs can be copied from the unit via FTP, SFTP or SCP.
- Logs are rotated; a current log and three previous logs are stored on the system.
- Log messages are Syslog format, an easily compared industry convention.
- Each local log file message corresponds to a NetClock event.
- A new Auth Log records access activity. Up to 16 user accounts with unique passwords are supported.
- A new Journal Log records all user activity, such as configuration changes.
- A new NTP Log records synchronization events.
- A new NTP Status display provides NTP reference statistics.

Introduction

Spectracom products provide critical timing services and management across networks. As these products become more important in synchronizing critical operations®, and for providing Legally Traceable Time® (and associated time- and date-stamps) enhanced logging capabilities are necessary to provide an audit trail.



Why is Logging Necessary?

- Logging is a critical capability for IT security—the administrator needs to track and analyze activity on the network device—such as user Authorization Log entries.
- Logging is also necessary to comply with industry regulations—such as Sarbanes Oxley—to show that the common network time standard is valid.
- Logging of device application events is required. Examples of log entries are GPS signal acquisition or loss, and journal entries on user configuration setups.
- Logs are admissible as evidence in court, showing that the NetClock was operating normally and in synchronization with UTC, on the particular day in question.

Examples of Typical NetClock and SecureSync Logs

(Check the device's operating manuals for exact details on available logs.)

- System Status Log
- Auth Log
- Journal Log
- Alarm Log
- Event Log
- Event Relay Log
- NTP Log
- GPS Qualification Log
- GPS Signal Status
- Operational Log
- Timing Log
- Update Log