



# TESLA LITE Power System Recorder

## Firmware v1.1

### Release Description

#### DESCRIPTION

This release of the TESLA LITE firmware adds feature enhancements and addresses some issues.

#### FEATURE ENHANCEMENTS

- Moved TCP port used for TESLA Control Panel interface from 2000 to 7631 (IANA registered).
- Added configurable alarm output contact for time sync loss.
- Changed minimum harmonic threshold from 3% to 1% to allow triggering and recording below 3%.

#### CORRECTIONS TO ISSUES

- **Major:** Corrected issue with date not incrementing correctly on some units when no IRIG reference is available.
- **Major:** The DNP3 Binary Input (Object Group 1, 2) states all changed to default after a unit power cycle or reboot.
- **Minor:** Updated messages during firmware update to provide clearer instructions.
- **Minor:** Corrected issue with Sequence of Events reporting conditionally suspended for masters 2 and 3 in multiple DNP3 master applications.
- **Minor:** Improve system diagnostic file retrieval via network ports.

#### COMPATIBILITY:

Compatible TESLA Control Panel Software	v2.7 or above
Compatible RecordBase Central Station Software	v2.0 or above

Minor releases, designated with a revision (e.g. v3.4 Rev 1), maintain the same compatibility as their base version (e.g. v3.4 Rev 0).

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## CLASSIFICATION OF CHANGES MADE

The issues fixed in software / firmware upgrades are classified as defined below. While the decision to upgrade installed products is the user's, these classifications provide a guideline for the need and priority of the upgrade.

**Critical:** Critical changes fix issues/problems that prevent the basic operation of the device and have no workaround. Critical changes merit a product upgrade as soon as possible, if that function is being used under the conditions causing the issue

**Major:** Major changes fix problems that prevent the basic operation of the device but do have a workaround. Any major changes merit a product upgrade as soon as possible if the function is being used under the conditions causing the issue and a workaround is not acceptable.

**Minor:** Minor changes fix non vital issues that do not prevent the basic operation of the device and may or may not have a workaround. Product upgrades for such changes are not necessary unless they apply to and are needed by the user.

**Feature Enhancement:** Feature enhancements add a capability or extend existing capabilities of the product. Upgrades for such changes need be made only if and when that feature enhancement is desired.

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