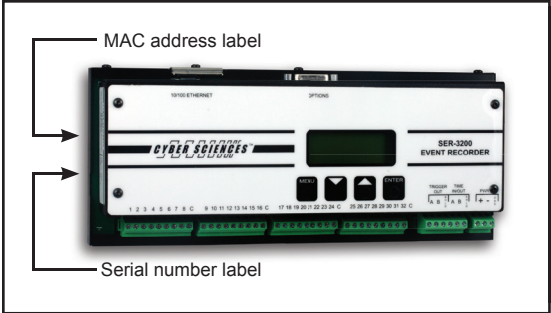


INSTRUCTION BULLETIN

PTP Field Upgrade Kit for *CyTime*[™] SER-3200 / SER-2408



CyTime[™] Sequence of Events Recorders, models SER-3200 and SER-2408, from Cyber Sciences, come with PTP (IEEE 1588) technology factory-installed (catalog suffix -PTP or -32GB). In addition, base models (suffix -P2X2) can be upgraded with PTP in the field by purchasing a PTP license. Existing units must have hardware version B1 or later, and the serial number and MAC address must be provided at the time of the upgrade order. (The PTP license key is generated from the MAC address and is unique to each SER.) The MAC address and serial number are found on the product label (pictured left) and are also displayed on the SER Diagnostics web page.

The PTP field upgrade kit consists of the following:

- License certificate with PTP key (32-digit)
- Instruction bulletin (this document)
- PTP upgrade label

UPGRADE INSTRUCTIONS

UPGRADE PROCESS OVERVIEW:

- 1) **UPDATE** firmware to latest version (v2.11 or later required).
- 2) **ENTER PTP KEY** via Setup-Admin web page.
- 3) **CONFIRM** upgrade and select desired PTP time setting via Setup-Time web page.

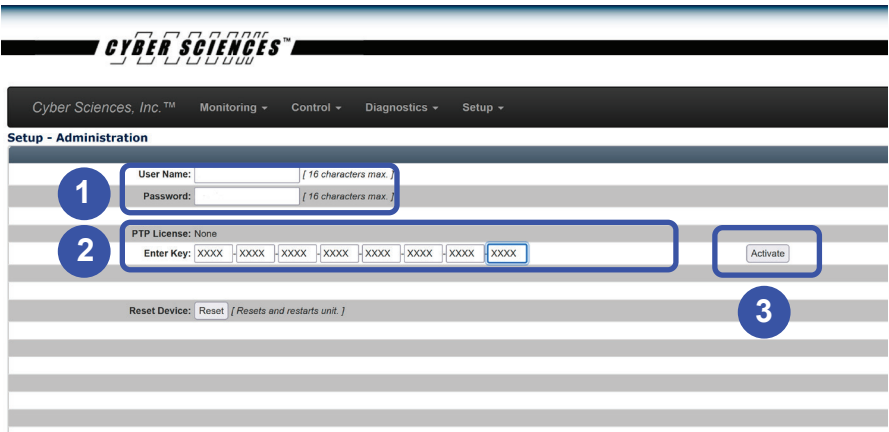
1) UPDATE firmware to the latest release (if needed):

- a. v2.11 or later (required).
- b. Get latest firmware, instructions and release notes: www.cyber-sciences.com/downloads

2) ENTER PTP KEY in Setup-Admin web page:

- a. Enter license key from certificate.
- b. Click "Activate" button. (A green check mark will appear to confirm valid key).

Step 1: Enter User Name / Password
Step 2: Enter PTP Key
Step 3: Click "Activate"



Setup-Administration web page (with field to enter PTP license key)

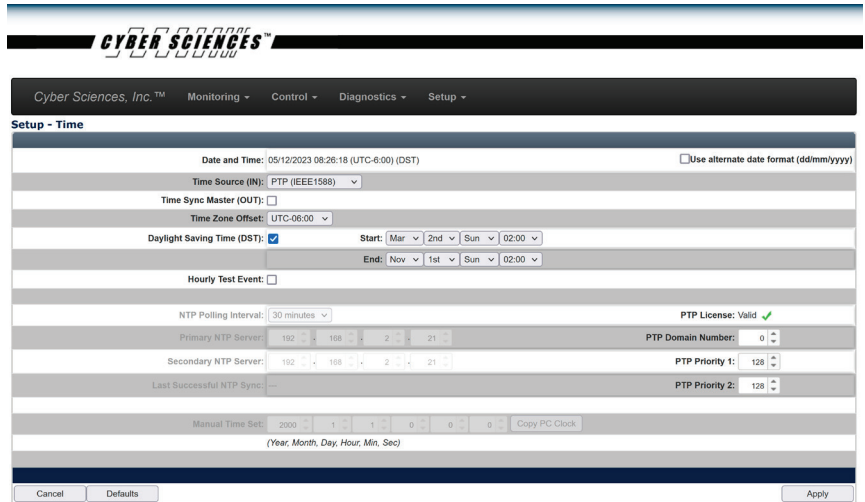
UPGRADE INSTRUCTIONS (cont.)

3) CONFIRM upgrade (green check mark) and select desired PTP time setting(s) via Setup-Time web page:

- a. Time Source = PTP (if PTP slave: time-sync over Ethernet from PTP master).
- b. Time-sync Output = PTP (if PTP master, to sync all other SERs over Ethernet).
- c. Set PTP domain number to match all other SERs (default = 0).

For More Information

- CyTime SER User's Guide (IB-SER-01)*
- CyTime SER Reference Guide (IB-SER-02)*
- EZC Instruction Bulletin (IB-EZC-01)*
- PLX Instruction Bulletin (IB-PLX-01)*
- Tech Note: Hi-res Time Sync using PTP/1588 (TN-100)*
- Tech Note: SER System Architectures (TN-101)*



Setup-Time web page (with fields to enter PTP settings)

The service marks, "Precision Timing for Reliable Power. Enabled." and "I-Heart-1588", CyTime, and the Cyber Sciences stylized logo are trademarks of Cyber Sciences. All other trademarks are the property of their respective owners.



Cyber Sciences, Inc. (CSI)
 229 Castlewood Drive, Suite E
 Murfreesboro, TN 37129 USA
 Tel: +1 615-890-6709



Doc. no: IB-SER-03 May-2023
 (Supersedes July 2016)