

Software Release Notes: Linux Driver for TSync Family

## Software Version 3.3.1: Release Notes

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Rochester NY, USA  
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This document lists and briefly describes newly released features, enhancements and fixes for the Spectracom TSync family Linux Driver. The release notes are organized in a backwards chronological order, i.e. the most recent releases are captured first.

### Directions

Refer to the Driver Guide (1219-5001-0050) for detailed installation instructions.

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## Version 3.3.1

April 2017

### *Enhancements and fixes*

- Added support for Linux kernels. Tested up to 4.10
- Added `waitForTo` API to support a timeout parameter when waiting for an event. (-1 for infinite wait, or numeric value for timeout in milliseconds)
- Fixed rollover/backstep bug. This would occur during the rollover to the next minute.
  - 47.999992
  - 47.999995
  - 48.999999
  - 48.000003 (Rollback)
  - 48.000006

**Version 3.20**

**March 2016**

### *Release features*

- Added support for u-blox GNSS receiver.

### *Enhancements and fixes*

- Added support for Linux kernels. Tested up to 4.2
- Added support for Trimble Resolution SMT-GG upgrade
- Updated NTP install instructions

**Version 3.12****April 2014**

### *Release features*

- Added support for the TSync-PMC & TSync-PCI-104.

### *Enhancements and fixes*

- Added Driver Version information in Linux driver so when using the command "`modinfo tsyncpci`", the driver version will now be displayed.
- Removed old "TPRO" `.c` and `.h` files that are not used by the driver.

## Version 3.10

December 2013

### *Release features*

- Added support for the TSync-cPCI.

### *Enhancements and fixes*

- Added support for Linux kernels. Tested up to 3.12.x
- Added following API commands:
  - TSYNC\_CS\_getNextSec
  - TSYNC\_GO\_getSWotpPW
  - TSYNC\_GO\_setSWotpPW
  - TSYNC\_GR\_getConstSel
  - TSYNC\_GR\_setConstSel
  - TSYNC\_HW\_getIntTs
  - TSYNC\_XO\_getCalVal

## Version 2.51

February 2012

### *Enhancements and fixes*

- Removed the following API's:
  - none
- Added the following new API's:
  - `HW_GetTemperature` (for TSync cPCI boards only)

## Version 2.50

November 2011

### *Enhancements and fixes*

- Added support for kernels up to 2.6.39 and 3.0.0.
- Fixed bug in Linux makefile. Wrong ".rules" file was being installed on versions of Redhat 5 & 6.



## *Enhancements and fixes*

- Added support for kernels down to 2.6.9. Tested on RHEL 4.
- Removed the following API's:
  - ETP\_GetFormat
  - ETP\_GetMode
  - ETP\_GetOffset
  - ETP\_SetFormat
  - ETP\_SetMode
  - ETP\_SetOffset
  - FR\_GetOffset
  - FR\_SetOffset
- Added the following new API's:
  - ETP\_GetCfg
  - ETP\_SetCfg
  - GO\_GetSWTmAlgnEn
  - GO\_SetSWTmAlgnEn
  - GR\_GetRefId
  - IR\_GetRefId
  - PTR\_GetRefId

## Version 2.30

November 2010

### *Enhancements and fixes*

- Updated/tested to support kernels from 2.6.15 to 2.6.35.
- Added shared lib support (`libtsync.so`).
- Added new API's "HW\_ClrIntCount" & "HW\_GetIntCount".
- Updated NTP patch to support NTP revision ntp-4.2.6p2.
- Fixed NTP reference bug.
- Fixed many compile warnings.

## How to contact Spectracom Tech Support

Should you have any questions or comments regarding any of the above-mentioned features or fixes, please contact one of the global Spectracom Technical Support centers for more information:

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