GPS-DS

Release 3.4d (November 2013)
- Minor GUI fixes

Release 3.4c (September 2013)
- Fixed LCD clock update

Release 3.4 (September 2013)
- Updated software libraries

Release 3.3 (August 2013)
- Differentiated PPS and CLOCK traps

Release 3.2d (July 2013)
- Implemented trap filter

Release 3.2c (June 2013)
- SNMP community string user definable
- Increased settings size

Release 3.2b (June 2013)
- Added traps to notify GPS-MODULES events

Release 3.2 (June 2013)
- Added NTP status variables

Release 3.1 (April 2013)
- Added support for NTP (required hw version >= 3)

Release 3.0e (October 2012)
- Improved traps handling on case of network loss

Release 3.0d (February 2012)
- Added self-test page

Release 3.0c (September 2011)
- Immediate switch in case of module removal

Release 3.0 (May 2011)
- Allows to save serial number of GPS modules
- Added support for PPS holdover

Release 2.8 (March 2011)
- Show positioning hold data used by the GPS module (need GPS module >= 2.5)
- Inroduced possibility to reset the almanac of the GPS modules from Web (need GPS module >= 2.4)
- Firmware update of GPS modules has become more robust (need GPS module >= 2.5)

Release 2.7 (January 2011)
- Introduced quality factor (need GPS module >= 2.4)
- Introduced possibility to change positioning mode from web
- Improved flash handling though double bank in order to have redundant saved settings
- Change gps radio settings independently of each other

Release 2.6 (March 2010)
- Fixed bug that was preventing SNMP to properly function (introduced in version 2.5)

Release 2.5 (November 2009)
- Improved automatic switch feature
- Force a switch if the selected module is removed (ignoring the holdover timeout)

- Increased priority of the network update thread
- Added fix to avoid erasing netowrk variables
- At boot the device always starts in remote mode
- Added support for auto-discovery

Release 2.4 (September 2009)
- At boot the device does not start in manual switch but remember the saved setting

Release 2.3 (September 2009)
- Fixed bug that was preventing the change of the switchMode from Web

Release 2.2 (June 2009)
- Added Spansion flash support

Release 2.1 (March 2009)
- Implemented timezone and reboot feature
- Fast scroll through keyboard

GPS Modules

Release 2.8 (June 2013)
- Support for holdover values different than 7200 seconds

Release 2.7 (May 2011)
- Introduced serial number
- Introduced holdover limit to mute the PPS after a certain amount of time

Release 2.6 (April 2011)
- Memory for firmware upgrade allocated only when needed

Release 2.5c (April 2011)
- Speed-up in synchronization time after warm boot (usually < 2 minutes)

Release 2.5b (March 2011)
- Firmware upgrade has been made more robust by copying to RAM the whole firmware and by writing to flash in a later time, after integrity check has been performed
- Added possibility to reboot the GPS module

Release 2.4 (January 2010)
- Distance limit set to 100 ns (instead of 150 ns)
  until 100 ns frequency adjustment is carried on, over 100 ns the PPS is aligned back to the one received from GPS
- Drift limit based on distance (and not time)
  in order to recover the PPS phase there are some speed limits that would prevent the clock to drift too much. Usually this limit is 0.25 ns/s, but can grow to 3 ns/s in the worst case (unusual)
- Stable vtune is gradually restored
  After the phase has been recovered the stable vtune is gradually applied in order to avoid an abrupt change of speed (steps are usually 0.25 ns/s)
- Speed-up in synchronization time
- Added support for quality factor
- Added possibility to reset the GPS radio

Release 2.3 (August 2010)
- Fix to recover from spurious synchronizations

Release 2.2 (April 2010)
- No more than 2 resyncs are done in normal operative conditions (a resync is performed after a long holdover > 2 days)

Release 2.1 (November 2009)
- Limited maximum allowed frequency drift when recovering phase

Release 2.0 (August 2009)
- Initial release