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Dear Leadtek's customers,

According to SiRF's latest announcement, we are pleased to announce the release of GSW 3.5P1.00 software for SiRFStarIII. GSW3.5P1.00 software release represents a significant improvement over the previously released production version GSW3.2.5 P3.00.

Software Information

Software	SiRF GSW3 series
Version	GSW.3.5.0_3.5.00.00-SDK-3EP1.00a

Changes and enhancements:

► Description of Software Changes

In addition to general improvements, the following major changes have been implemented in these new software versions:

- Builds on the previous GSW3.2.5 P3.00 Clear Release
- Improved cold, warm, and hot start TTFF
- Improved acquisition sensitivity for cold, warm, and hot start conditions
- Adjusted UTC Leap Second Default value and logic
- Common Navigation Library integration for higher quality experience

The following performance is enhanced as noted:

- Cold Start acquisition sensitivity has been improved to approximately -145 dBm (~25 dB-Hz*) from previous limit of -142 dBm (~28 dB-Hz*) [Note 1]
- Warm Start acquisition sensitivity has been improved to approximately -145 dBm (~25 dB-Hz*)
- Hot Start performance has been improved across a range of operating conditions. In general, the hot start TTFF for long receiver off times has been improved by up to 50%
- Natural Hot Start acquisition sensitivity been improved to approximately -155 dBm (~15 dB-Hz*)

*Note 1: Conversion between dBm and dB-Hz assumes 4 db of System Equivalent Noise Figure.

A Test Report for these releases is available upon request.

Leadtek reserves the right to make changes without further notice to any of its products. Actual performance may vary over time.

▶ **Additional Note:**

- This software release does not support the original SiRFStar III 2-chip implementation (*LR9805-III* , *LR9548*).
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GSW default configuration is as follows:

Item	Description
Core of firmware	SiRF GSW3
Baud rate	Default 4800 bps or 9600 bps
Code type	NMEA-0183 ASCII
Datum	WGS-84
Protocol message	GGA(1sec), GSA(5sec), GSV(5sec),RMC(1sec),VTG(1sec)
Output frequency	1 Hz

- ▶ **1-Second position update rate.**
- ▶ **Supports use of satellite-based augmentation systems like the US WAAS, European EGNOS ,and Japan MSAS system.**
- ▶ **The 1PPS is NOT suited to steer various oscillators (timing receivers, telecommunications system, etc.)**
- ▶ **Default baud rate will depend on model**