SDRplay ExtIO Release Notes

Overview

This document provides an overview of the modifications, changes and enhancements made to the SDRplay ExtIO controller.
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Version 3.9.1 (Released 12th July 2016)

Bug Fixes

- Fixed unsigned integer being sent as set point value to AGC.

Updates.

Known Issues

- # 3.1.1 Graphic distortion in high DPI modes

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Version 3.9 (Released 11th July 2016)

Bug Fixes

- Fixes memory issues with the station lookup feature on Windows XP.

Updates

- Updated functionality and performance improvement based on API 1.94 (requirement).
- Sample rate now uses decimation in the new API.

Known Issues

- # 3.1.1 Graphic distortion in high DPI modes

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Version 3.8.3 (Released 23rd February 2016)

Bug Fixes

- Fixed work offline setting being incorrectly programmed.

Updates

Known Issues

- # 3.1.1 Graphic distortion in high DPI modes

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Version 3.8.2 (Released 23rd February 2016)

Bug Fixes

- Replaced CSV download function as it caused exceptions on certain machines.

Updates

- Database now only downloads once a day.
- The time filter is now applied to all stations found, not just where more than one is found.
- Splash screen appears when database is being downloaded.
- Changed location of downloaded CSV file to user's temporary directory.
- Added work offline switch.

Known Issues

- # 3.1.1 Graphic distortion in high DPI modes

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Version 3.8.1 (Released 21st February 2016)

Bug Fixes

- Fixed memory allocation error in station lookup system.

Updates

Known Issues

- # 3.1.1 Graphic distortion in high DPI modes

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Version 3.8 (Released 19th February 2016)

Bug Fixes

Updates

- Added station name lookup feature from online resource.

Known Issues

- # 3.1.1 Graphic distortion in high DPI modes

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Version 3.7 (Released 9th January 2016)

Bug Fixes

Updates

- LNA Switch functionality changed so that the overall gain reduction is maintained instead of jumping by the LNA Gain Reduction step. This is done by adjusting the IF gain reduction.

Known Issues

- # 3.1.1 Graphic distortion in high DPI modes

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Version 3.6 (Released 26th December 2015)

Bug Fixes

- LNA switch wasn't programmed during initial load of the EXTIO plugin so had to be switch on/off before it work correctly.

Updates

Known Issues

- # 3.1.1 Graphic distortion in high DPI modes

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Version 3.5 (Released 22nd December 2015)

Bug Fixes

Updates

- Enable/Disable DC/IQ compensation
- Changes to the GUI to support new gain map (LNA switch & IF gain display/slider)
- Only works with API 1.8.0 (Installer 1.6.0) or later

Known Issues

- # 3.1.1 Graphic distortion in high DPI modes

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Version 3.4 (Released 17th November 2015)

Bug Fixes

- Fixed crash in Windows XP
- Fixed installer allowing blank software location entry

Updates

Known Issues

- # 3.1.1 Graphic distortion in high DPI modes

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Version 3.3 (Released 11th November 2015)

Bug Fixes

Updates

- Added support for profiles and the new Profiles panel
- Added Help panel with link to online user guide
- Added hotkey support (current hotkeys defined in the user guide)

Known Issues

- # 3.1.1 Graphic distortion in high DPI modes

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Version 3.2 (Released 28th October 2015)

Bug Fixes

Updates

- Same as version 3.1 built on the correct code base.

Known Issues

- **# 3.1.1**   Graphic distortion in high DPI modes

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Version 3.1

Bug Fixes

Updates

- Fixed bug in Load Defaults which prevented sample rate initializing properly.
- Fixed multiple instances of the advanced dialog box
- Added post tuner DC offset compensation to remove spur in the centre of filter.
- Changed frequency compensation to floating point for finer resolution.

Known Issues

- **# 3.1.1** Graphic distortion in high DPI modes

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Version 3.0

Bug Fixes

- Fix for #2.1.1
- Fix for #2.1.2

Updates

- Addition of an *Advanced* dialog box for additional Settings
- Implementation of a selectable 1st LO frequency for the block converter. This will apply to frequencies below 60MHz (up-converted) and between 250MHz and 420MHz (down-converted). This allows full coverage between 100kHz and 2GHz in AUTO mode or the re-position of interferes at the expense of coverage range
- Added a down conversion routine to convert Low IF modes to Zero IF modes for compatibility in SDR interfaces. IF bandwidths below 1.536MHz supported choice of IF Frequency and sample rate are restricted.
- Added Options to control the DC offset compensation mode used by the tuner. Available modes are Static, Periodic, One-Shot and Continuous
- Improved robustness when dynamically changing between IF modes and sample rates.

Known Issues

- **# 3.0.1** – Aliasing artifacts around the filter band edges when using low IF modes

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Version 2.1

Bug Fixes

- Fix for #2.0.1
- Fix for #2.0.2

Updates

- Added a load default button to set all box's back to a defined preset condition.
- Added an Exit button to close the dialog box
- All SDRplay settings now saved/ recalled from file to enable recall of existing state
- Virtual sample rates below 2.0MHz added to allow correct bandwidth scaling for lower bandwidths

Known Issues

- **# 2.1.1** – Below 30MHz the input is not begin reconfigured correctly unless a Stop/Start is issued

- **# 2.1.2** – Fast changes to the frequency by scrolling of the mouse cause glitches in audio

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Version 2.0

Bug Fixes

- None

Updates

- Baseline version

Known Issues

- **# 2.0.1** - When selecting an IF bandwidth below 1.536MHz a stop and start needs to be issued to force a bandwidth update.

- **# 2.0.2** - When in IF mode some sample rates updates cause a hardware error

For more information contact support@sdrplay.com

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