



Software Defined Radio API Release Notes

SDRplay Limited.			
Software Defined Radio API Release Notes			
Applications			
Revision History			
Revision	Release Date:	Reason for Change:	Originator
1.0	03/Jun/2013	First Release	IH
1.1	31/July/2014	Hardware & 1.1.0 API	APC
1.2	16/October/2014	API 1.2.0 release & tidy	APC
1.3	13/February/2015	USB3 compat hw driver	APC
1.4	13/August/2015	New API & HW Driver	APC
1.5	23/August/2015	Driver fixed for tablets	APC
1.6	22/December/2015	DC/IQ compensation & new gain map (API 1.8.0)	APC
1.8.1	11/January/2016	Reduce minGR value (API 1.8.1)	APC
1.94	11/July/2016	Range of new functions	APC
1.95	12/July/2016	Fixed PPM function	APC
1.97	19/September/2016	New AGC + DC offset schemes	APC
2.04	22/November/2016	Update for RSPII	KA
2.05	30/November/2016	Modified return from mir_sdr_GetDevices	KA
2.06	1/December/2016	Added mir_sdr_ReleaseDeviceldx, modified gain callback parameters	KA
2.07	2/December/2016	Modified SetGr functions	KA
2.08	15/December/2016	Fixed issue in IQ compensation	KA
2.09	22/December/2016	Modification to AGC loop (no external API mods)	KA
2.10	11/April/2017	RSPII Refclk o/p stay on when device stop streaming	APC

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2.11	15/November/2017	Added support for RSP1A	APC
2.13	18/June/2018	Added support for RSPduo (single tuner operation)	APC
3.0	19/June/2018	Service/Daemon based API (RSPduo dual tuner support)	APC
3.01	24/August/2018	Updates for stream error handling	APC
3.02	14/March/2019	New AGC scheme, fixes to RSP1 & RSPduo control	APC
3.03	9/April/2019	Updated heartbeat & comms systems	APC
3.04	8/July/2019	Update for diversity and other performance improvements	APC
3.06	24/November/2019	Added RSPdx Support and extra error reporting	APC
3.07	8/June/2020	Added DisableHeartbeat, fixed RSP1A Bias-T & IQ comp.	APC
3.08	13/September/2021	Added valid element to DeviceT struct + bug fixes	APC
3.09	23/November/2021	New RSPdx band, bug fixes including start-up & low power mode resumption	APC
3.10	10/May/2022	User mode (WinUSB) driver + ARM64 support	APC
3.11	5/Sep/2022	Fixes to surprise removal and service start-up	APC
3.12	8/Nov/2022	Updates to fsChanged and grChanged flags	APC
3.13	10/Aug/2023	Internal	APC
3.14	26/Jan/2024	Added RSP1B Support	APC
3.15	10/May/2024	Added RSPdxR2 Support	APC

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1 Summary

Release	V3.15
Installer Name	SDRplay_RSP_API-Windows-3.15.exe
Release Date	10/May.2024

2 System Compatibility

Supported Operating System	Windows 7 - 11 / 32 bit Windows 7 - 11 / 64 bit
Software Prerequisites	Hardware driver (included) for Windows 7 + 8.1 WinUSB driver (included) for Windows 10 + 11
Intended Hardware Platform	SDRplay RSP

3 Enhancements and Bug Fixes

This release incorporates the following enhancements and bug fixes:

Added RSPdxR2 Support

3.1 API Release 3.15

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4 Known Issues

- Fixes to the surprise removal function and to the service start-up procedure.

For more information, contact: <https://www.sdrplay.com/support>

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