



# 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

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## 1 Summary

Release	V3.09
Installer Name	SDRplay_RSP_API-Windows-3.09.exe
Release Date	23/November/2021

## 2 System Compatibility

Supported Operating System	Windows XP - 11 / 32 bit Windows XP - 11 / 64 bit
Software Prerequisites	Mirics MSi2500 USB Driver V5.22.11.16 Mirics MSi2500 USB Driver V5.22.11.16 EV *
Intended Hardware Platform	SDRplay RSP

\* Required for Windows 10 build 1607 secure boot

## 3 Enhancements and Bug Fixes

This release incorporates the following enhancements and bug fixes:

Start-up crashes.  
Other bug fixes.  
Low power state resumption fix.

### 3.1 API Release 3.09

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## 4 Known Issues

- None known

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

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