Lothar of The Hill People's SDR and LNA Roundup.

Nov. 2025 R10	Color	Case	Heatpad	Topology	LNA	Filter	Source	Notes
SDRs						(T) = Taisaw		
ADSB Ex / Airframes 1090	Blue	Metal	No	LNA>FILTER	Skyworks 7150	(T)AS970	Lothar of the Hill People	
ADSB Ex / Airframes	Orange	Metal	No	LNA	Skyworks 7150	No	Lothar of the Hill People	
Airplanes Live	Blue	Metal	No	LNA>FILTER	Skyworks 7150	(T)EK1.09	James / Lothar	
Airplanes Live	Orange	Metal	No	LNA	Skyworks 7150	No	James / Lothar	
Generic China	Blue	Metal	No	LNA>Filter	Skyworks 7150	(T) EM1.09	Sitting Duc NZ	As low as $20 ea. on AliBaba. Lothar Recommended
Flight Aware Pro Stick	Orange	Plastic	No	LNA	Skyworks 7150	No	Web Pix	
Flight Aware Pro Stick Plus	Blue	Plastic	No	LNA>Filter	Skyworks 7150	(T) AY or AN970	Web Pix	
AirNav RadarBox Flightstick 1090	Green	Plastic	No	Filter>LNA	T504 (No data avail)	(T) EY 1.09	Web Pix	
AirNav RadarBox Flightstick 978	Red	Plastic	No	UNK	Mini Circuits PSA4-5043+	C61P (Unknown)	Kerfuffle	
AirNav Ship Explorer AIS	Blue	Plastic	No	UNK	UNK	UNK		
AirNav RadarBox VHF (AM Voice)	Yellow	Plastic	No	UNK	UNK	UNK		
RTL-SDR Blog V3	Black	Metal	Yes	NA	NA	NA	Web Pix	
RTL-SDR Blog V4	Black	Metal	Yes	NA	NA	NA	Web Pix	Obsolete / discontinued tuner chip
LNAs								
Unlabeled Amazon	Purple PCB	No	No	Filter>LNA	Qorvo TQP3M9009	(T) AD 970	The Bald Geek	23 dB Gain / 2.135 NF
Nooelec SAWBIRD+ADS-B (1090)	Black	Metal	No	LNA>Filter>LNA>Filter	Qorvo QPL9547	LW1Z (X2) (UNK)	Fatal & Dziban	NF of 0.8 dB is suspect
Nooelec SAWBIRD+ADS-B (978)				LNA>Filter>LNA>Filter	Qorvo QPL9547	7Y1T or M (X2) (UNK)	Fatal & Dziban	
Uputronics 1090 Preamp (2023)	Aluminum	Metal	No	LNA> Filter	Mini Circuits PSA4-5043+	(T) EB 1.09	The Bald Geek	18.4 gain / .75 dB NF
Nooelec SAWbird+ io	Black	Metal	No	LNA>Filter>LNA	Qorvo TQP3M9008	C36d (Unknown)	The Bald Geek	22 gain / 1.1 dB NF - Semi obsolete chip
Nooelec LaNA	Black	Metal	No	LNA	Qorvo TQP3M9035	NA	The Bald Geek	16.5 gain / .65 dB NF
Nooelec LaNA WB	Black	Metal	No	LNA	Mini Circuits LHA 83W	NA	Taclane	16.7 gain / 2.8 dB NF (No curve available)
RTL-SDR Blog Triple filtered 1090 LNA	Aluminum	Metal	No	LPF>LNA>SAW>LNA>SAW	Avago MGA-13116	UNK	Web Pix	Discontinued LNA chip
RTL-SDR Blog Wideband LNA	Aluminum	Metal	No	LNA	Qorvo SPF5189Z	NA	Web Page	Discontinued LNA chip . 9/2021 18.7 Gain / 0.6 dB NF
Generic Ebay 1090 (TZT China)	Green PCB	NA	NA	LNA>SAW>LNA>SAW	Qorvo TQP3M9008	(T) aZ 970 (X2)	Web Pix	Semi obsolete chip. As cheap as $12 !
Nooelec 1.542 LNA	Black PCB	NA	NA	LNA>SAW>LNA	Analog Devices MAX12000	C36X (UNK)	The Bald Geek	Really OLD GPS chip. 2006!
Nooelec ??? Sonde 403 new?	UNK PCB	NA	NA	LNA>SAW	Qorvo TQP3M9037	KW7L (UNK)	KV5QI	Prototype
Nooelec ??? Sonde 403 old?	UNK PCB	NA	NA	LNA>SAW>LNA	?	?	KV5QI	Prototype
HT004 - TQP3M9037 LNA	Aluminum	Metal	No	LNA	Qorvo TQP3M9037	NA	Lothar of the Hill People	Also has an internal battery option! 0.45 nF at 1090.
HT004 Continued								Gain - 28.3 @128 M, 23@978M, 22 gain at 1090, 20 @ 1.5G. 54 mA draw at 5V.
LNA4All	Yello PCB	NA	No	LNA	Mini Circuits PSA4-5043+	NA	ExplodingLemur	Same performance as the Uputronics