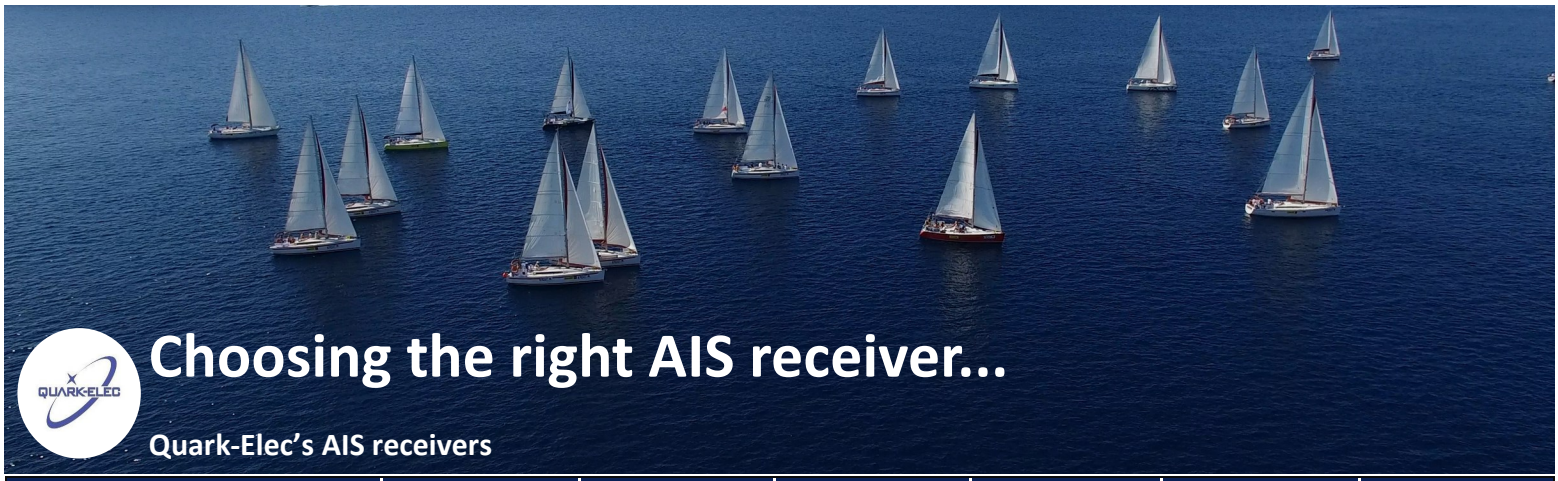

Choosing the right AIS receiver...

Quark-Elec's AIS receivers

	Features	A021	A024/026	A026+	A027	A028	A051T
							
Description	Function	Entry level AIS Single channel auto-hopping USB dongle	Dual channel AIS receiver (+GPS in A026) **Combines** AIS (+GPS) and NMEA 0183 input **Outputs** Wi-Fi, USB and NMEA 0183	QK-A026-plus NMEA 2000 AIS Receiver with NMEA Multiplexer+N2K Converter + Wi-Fi + GPS **Outputs** to USB/Wi-Fi/ NMEA 0183/NMEA 2000	Dual channel AIS+GPS receiver, with SeaTalk™ to NMEA converter **Combines** AIS, GPS and SeaTalk™ input **Outputs** Wi-Fi, USB and NMEA 0183	NMEA 2000 AIS receiver + GPS **Outputs** USB, NMEA 0183 and NMEA 2000	Wi-Fi AIS Transponder Class B **Outputs** Wi-Fi, USB and 2 x NMEA 0183
INPUT connections	AIS dual channel		✓	✓	✓	✓	✓
	AIS channel hopping. (a single channel receiver that 'hops' between two AIS channels)[1]	✓					
	AIS sensitivity (@30% PER)	-104dBm	-105dBm	-110dBm	-104dBm	-105dBm	-109Bm
	Typical AIS range[2]	12nm	22nm	45nm	20nm	20nm	40nm
	AIS antenna connection	SMA (+BNC adaptor)	BNC	SO239	BNC	BNC	SO239
	NMEA 0183 input		✓	✓			
	SeaTalk™ bus input (SeaTalk converting)			✓	✓		
	GPS module integrated (requires GPS antenna)		✓ SMA (A026 only)	✓	✓ SMA	✓ SMA	✓ TNC
OUTPUT connections	USB (NMEA 0183 format)	✓	✓ 2 way	✓	✓	✓	✓
	NMEA 0183 output (RS422)		✓	✓	✓	✓	✓ x2 RS422 + RS232
	NMEA 2000 network			✓		✓	
Power source	Powered through	USB	USB	12V - 15V	SeaTalk™ bus (12V)	N2K bus (12V)	12V - 35V
Multiplexing	Multiplexing		✓(A024) AIS+NMEA (A026) AIS+GPS+NMEA	✓AIS+GPS+SeaTalk+ NMEA 0183	✓ AIS+GPS+SeaTalk	✓ AIS and GPS	
Wi-Fi	Ad-hoc and Station modes		✓	✓	✓		✓
	Option to disable Wi-Fi		✓ 2 way	✓			✓
Configuration	Configuration through USB port. Windows PC required	✓	✓	✓	✓	not required	✓
Compatible devices and software	Windows / Mac / Linux through USB	✓	✓	✓	✓	✓	✓
	Chart Plotters		✓	✓	✓	✓	✓
	Android / iOS	USB OTG	Wi-Fi	Wi-Fi	Wi-Fi		Wi-Fi

[1] Manually adjustable hopping interval rates (0.25 seconds, 1 second, 30 seconds and auto-hopping) Channel hopping will increase the number of messages received, in comparison with single channel receivers. However, part of some multi-AIS messages may be lost, due to the hopping nature of the product. If both the quantity and the completeness of AIS messages is important to you, we recommend the dual channel receivers.

[2] Mounted on a masthead, 20 feet above sea level.

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