

VHF RADIOTELEPHONE

Simrad AXIS Series

SIMRAD



**GMDSS VHF Handheld radios
for everyday and survival craft use**

A reputation that speaks volumes

Since they were first launched, AXIS radios have become internationally recognised as outstanding examples of design and performance in handheld VHF.



Recharging Unit



It is because of such high standards that AXIS has found favour with some of the most demanding users in the world, including the British Royal Navy, the French Navy, the RNLI and the US Navy Seals as well as major shipping companies worldwide.

Impact resistant

Careful choice of case materials, the internal construction and a flexible antenna, means any AXIS handheld will withstand being dropped from a height of 1 meter onto a hard surface.

Speaker-Mike, Holster, and Shoulder Strap



With modern, high-impact materials, the latest micro electronics, and designs that are thoroughly practical in every detail, the AXIS range are the toughest, most efficient and most user friendly handheld VHF radios on the market.

High performance

With their advanced electronic circuitry, all models surpass global requirements for receiver sensitivity and sustained power output.

AXIS 30 – floats in sea water



Simrad has the widest range of GMDSS handhelds to suit every need. The basic AXIS 30 is for GMDSS emergency use only, the AXIS 50 GMDSS provides a cost effective handheld for safety and on board use, while the AXIS 150 and 250 GMDSS models meet the requirements of the most demanding users.

Waterproof

All models are fully sealed, and waterproof to a depth of 1 meter, with 45°C thermal shock.

AXIS 150/250 GMDSS

When fitted with rechargeable batteries, the AXIS 150 and 250 GMDSS serve as excellent handheld radios for on board use, as well as meeting all the requirements for emergency use with the lithium battery pack.

The AXIS 250 provides all the required channels and has push button controls of all functions, making it easy to use with a gloved hand in all weather conditions.

The AXIS 150 has 16 channels with rotary control for primary functions.

Both models feature illuminated channel indicators to enable effective use in total darkness.

AXIS 30

The AXIS 30 is purpose designed as a GMDSS compliant handheld for survival craft use. Large, clear controls ensure easy operation by untrained personnel.

AXIS 50 GMDSS

As the latest addition to the range, the AXIS 50 provides a competitive solution for both on board and emergency use.

Although smaller than its predecessor, the AXIS 50 provides a similar level of performance. Its high efficiency antenna gives the best possible range, whilst maximising battery life. All the features expected on a modern handheld are provided. The clear LCD shows channel, operating and battery status, and can be illuminated for night time use.



FEATURES	AXIS 250	AXIS 150	AXIS 50	AXIS 30
CHANNEL CAPACITY	All simplex channels. Duplex and national channels may also be programmed	16 channels including CH16	All simplex channels. Duplex and national channels may also be programmed	Channels 06, 13 and 16
DUAL WATCH	Channel 16 and working channel	-	Channel 16 and working channel	-
TRI WATCH	-	-	Channel 16, working channel and user selected channel	-
MEMORY SCAN	√	√	-	-
MEMORY MODE	√	-	-	-
PUSH BUTTON OPERATION	All functions	Illumination, Tx power and squelch	All functions	Channel select, volume and squelch
ROTARY CONTROLS	-	-	-	-
CLEAR LCD DISPLAY	Shows channel, signal, battery strength and operating status	-	Shows channel, battery condition and operating status	-
LED INDICATORS	-	Receive, transmit and battery status	-	Channel, transmit status
ILLUMINATED DISPLAY	√	Channel indicator	√	-
ACCESSORY SOCKET	√	√	-	-
BATTERY OPTIONS	700 and 850mAh NiCd rechargeable and lithium	700 and 850mAh NiCd rechargeable and lithium	850 mAh NiCd rechargeable	Lithium
POWERSAVE MODE	√	√	√	-

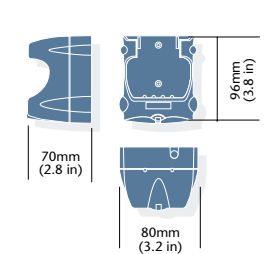
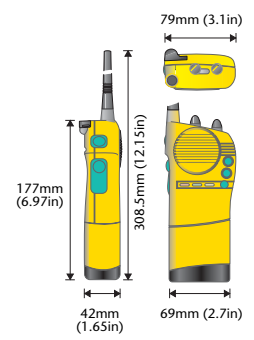
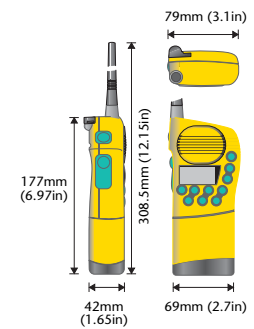
Technical Specifications

	AXIS 150/250	AXIS 50	AXIS 30
TYPE APPROVAL			
GMDSS models	ETS300-225 plus IMO, ITU, SOLAS, and FCC CFR47 part 80 GMDSS rules	ETS300-255 plus IMO, ITU, SOLAS and FCC CFR47 part 80 GMDSS rules	ETS300-255 plus IMO, ITU, SOLAS and FCC CFR47 part 80 GMDSS rules
GENERAL			
Weight	0.6 kg (1.32 lbs)	0.4 kg (0.88 lbs)	0.4 kg (0.88 lbs)
Temperature Tolerance	-20° to +60°C	-20° to +55°C	-20° to +55°C
Battery Options	700mAh NiCd rechargeable 850mAh NiCd rechargeable Lithium primary battery	Lithium primary battery	Lithium primary battery (non rechargeable test battery)
Frequency Range	155-163MHz	155-163MHz	Ch06, Ch13 and Ch16 only
Channel Spacing	25KHz (12.5KHz on request)	25KHz	25KHz

	AXIS 150/250	AXIS 50	AXIS 30
TRANSMIT			
Output Power	4 Watts/1Watt switchable	2.5Watts 1Watt switchable	0.5 watts ERP
Power Consumption	1.4A at 4W, 0.8A at 1W	0.95A at 2.5W, 0.6A at 1W.	0.35A

	AXIS 150/250	AXIS 50	AXIS 30
RECEIVE			
Audio Output Power	1Watt max	0.4 watts	0.4 watts
Power Consumption	125mA (typ)	0.2A (typ)	150mA at 0.4W 10mA squelched
Sensitivity	<0.5µV for 20dB SINAD	<0.5µV for 20dB SINAD	<0.5µV for 20dB SINAD
Rejection of Unwanted Signals	75dB	70dB	70dB
Spurious Emissions	<1nW	<2nW	<2nW

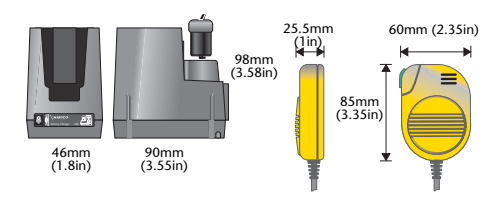
	AXIS 150/250	AXIS 50	AXIS 30
ACCESSORIES			
700mAh NiCd	NCB700		Not Available
850mAh NiCd	NCB850	NC08	Not Available
Lithium Battery	LTB1:Y	LTB3:Y	LTB2:Y
Test battery (non rechargeable)	Not Available	Not Available	TSTB1
Trickle Charger	TCH12	TC50	Not Available
Rapid Charger	CTC1 (Mains Voltage Supply)	RC50	Not Available
Mains Adaptor for Trickle Charger*	MAD230	MAT50	Not Available
Mains Adaptor for Rapid Charger*	RAD230	MAR50	Not Available
Waterproof Speaker Mike	WPSP1:Y	Not Available	Not Available
Lanyard	LYD1	LYD1	Not Available
Leather Carrying Case	LC1		Not Available
Shoulder Strap	SSI		Not Available
Flotation Collar	FLT1		Not Available
Hand Strap	HS1	Not Available	Not Available



*Contact your local sales office for regional variations of these mains adaptors.
Note: Specifications are subject to change without notice.

Manufacturer:

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