

Business
Critical
Communications



DX-IS Series

Intrinsically Safe, Commercial Grade Marine Portables



EN60945 Marine Approval



UL913 Intrinsically Safe Certified



DMR Digital & Analogue modes



Submersible IP68



Tough | CRYSTAL
CLEAR
AUDIO
Submersible
Dependable



Technical Specification

General			
Frequency Range	VHF	156 to 163.275MHz	
	UHF	450-470MHz	
Channel Spacing	12.5KHz & 25KHz		
Operating Voltage	7.6v		
Battery	CNB450E-IS 2200mAh Lithium-ion		
Weight	Display model 269g Non display model 259g		
Overall Dimensions (HxWxD)	97mm x 59.5mm x 37mm (with CNB450E-IS)		
Channels	VHF	INT/USA/CAN mode plus private	
	UHF	up to 99	
Channels non display version		up to 16	
Battery Endurance (5/5/90)	Model	Analogue mode	Digital mode
	DX542/DX544	14 hours	n/a
	DX582/DX585	14 hours	21 hours
Transmitter			
Output Power UHF	1 & 4 watts		
Output Power VHF	1 & 5 watts		

Environmental

Operating Temperature	-20°C to +55°C
Storage Temperature	-40°C to +85°C
Thermal Shock	Compliant MIL-STD810 C/D/E/F/G
Humidity	
Shock & Vibration	
Packing Test	
Drop Test	
Water Ingress	IP68 2 metres, 4 hours submersible

For sale to outside of Europe and for foreign flag vessels.

Intrinsically Safe Certified to UL913 by SGS:

- ANSI/UL913 5th Ed
- Class I,II,III, Division 1, Groups C-G, T3
- Class I, Division 2, Groups A-D

UL913	Atmosphere	Class I II III	Class I – Gas, vapors; Class II – Dust; Class III – Fibers, Flyings
	Area Classification (Flammable material present time)	DIV I	Division 1: Gas/Dust normally present in explosive amounts
	Gas Types by Group:	Group C	C – Ethylene and related products
	Dust Types by Group:	Group G	G – Grain and non-metallic dust
	Operating Temperature	-30 to 55	-22°F to 131°F
	Temperature Class (Maximum device surface temperature)	T3	200°C

Accessories

Supplied package includes: Li-ion battery pack, drop-in charger, belt clip, high-efficiency antenna and quick-start user guide.



CSBHX
Intelligent six-pod rapid charger



CMP/DXS-IS
– simple version
CMP/DXE-IS
– with earpiece socket
Heavy duty speaker microphone



CLCDX2 – non display
CLCDX5 – display
A heavy duty leather carry case with swivel belt loop and strap



CHP450HS/DX*
Single sided ear defender headset for hard hat use



CHP450D/DX*
Double sided ear defender headset with headband



CXR5/DX*
Bone conductive skull mic with heavy duty PTT



CXR16/DX*
Throat mic / earpiece with heavy duty PTT



Submersible products are represented with a water droplet.

For the complete range of accessories please visit our website. All specifications are subject to change without notice.

* Submersible - PTT only

Full list of accessories available online.

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Sales Office:
Office 2A, Plot No.4,
St Martins Rd., Off Turner Rd.,
Bandra West, Mumbai,
Maharashtra - 400050. India

Aerial Services Pvt. Ltd.
Phone: +91 9819332776 | 9820106100
Email: aspl@asplindia.in | aml@asplindia.in
Website: <https://www.asplindia.in>

Registered Office:
Unit No.3, S. K. Industrial Park,
Darpan Compound, W.E.H. No.8,
Valiv, Vasai (E) - 401208.
India.