PUWMA 2.0

PORTABLE UNDERWATER MAPPING AID

PRODUCT DATASHEET

DS-PUWMA2 · Rev A · October 2026



The fastest way to actionable sonar data.

A complete portable side and down imaging sonar in two rugged cases. Clamps to a RIB with no boat fit-out and is scanning in under five minutes. Built for search and recovery, police, military and port authority teams.

< 5 min
Case to scanning

10+ hrs
Runtime on internal battery

2 hrs
Full charge from mains

20+
SAR and mapping teams using PUWMA

SONAR & IMAGING

2D sonar	CHIRP digital sonar, 83 / 200 kHz
Side imaging	455 / 1200 kHz
Down imaging	455 / 1200 kHz
360° imaging	MEGA 360 transducer (optional upgrade)
Views	Side, down, 2D, chart, chart + sonar split
Tools	Waypoints, snapshots, live on-screen measuring

DISPLAY & NAVIGATION

Display	Humminbird XPLORE 10, 10″ high-definition
Positioning	Built-in GPS receiver
Charts	Full Navionics chart package included
Connectivity	Bluetooth link to the One-Boat Network app
Data export	Recordings and snapshots to microSD; waypoints, routes and tracks as .GPX

POWER

Internal battery	LiFePO4 lithium, 12 V 20 Ah
Runtime	Over 10 hours on internal battery
Charging	220 VAC smart charger; full charge in 2 hours
Charger monitoring	Bluetooth, via the VictronConnect app
External supply	9–36 VDC with voltage regulation; unlimited runtime from the boat's power. DC power leads supplied
Accessory power	Dual USB charging ports; voltage readout on panel

PHYSICAL

Configuration	Two rugged hard cases
Main unit	13.2 kg · display, battery, charging and power
Transducer case	11.5 kg · clamp mount, transducer pole and cables
Total kit weight	24.7 kg
Mounting	Clamp mount and pole; no permanent boat installation

SUPPLIED AS STANDARD

- Main unit case: 10″ XPLORE imaging display, internal LiFePO4 battery, smart charger, external power input, dual USB ports
- Transducer case: clamp mount, transducer pole, transducer and cables
- Full Navionics chart package
- DC power leads for external power sources
- Quickstart guides for deployment and first-time setup

OPTIONS & UPGRADES

MEGA 360 imaging	**Plug-and-play transducer, powered directly from the PUWMA 2.0**
Premium quick-fit RIB mount	**Stainless steel transducer mount; fits and removes in moments**
Towfish & cable reel	**Towed body for wider-area scanning behind a vessel**
ReefMaster 2.0	**Contour maps, side scan mosaics, volume calculations, KML export to Google Earth**
Crew training	**Tailored course, at your location or in Cork Harbour**
Annual service	**Yearly inspection and service by Mariteq engineers**

COMPATIBLE SOFTWARE

One-Boat Network	**Share waypoints, routes and tracks between phone and display (iOS, Android)**
VictronConnect	**Monitor charge state and history (iOS, Android, Windows, macOS)**
ReefMaster Sonar Viewer	**Free playback of recordings on a laptop (Windows)**
Navionics Chart Installer	**Chart updates and subscription renewals (Windows, macOS)**

TRAINING & SUPPORT

- Training delivered regularly to military and civilian operators
- Instructors with real operational experience
- Local support from Cork, with a full inventory of spares
- Annual servicing for complete reliability
- Support continues for owners of the original PUWMA

> “Ease of setup, runtime and quality of the sidescan image obtained, makes this unit a must have.”
>
> **Chris O’Donovan · Cork City Missing Persons Search & Recovery**

SUPPLIER DETAILS

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