



SMRT V300

QUICK START GUIDE

AIS

VHF
DSC

121.5
MHz

M
CLASS-M

GNSS

WHAT IS THE sMRT V300?

The sMRT V300 is a commercial-grade Maritime Safety Locator Device (MSLD) featuring AIS, VHF DSC, and the 121.5 MHz emergency frequency for improved localised alerting, tracking, and recovery. With both manual and automatic water-activated activation, on immersion for 2 seconds, it enhances the speed and efficiency of MOB recovery.

MOBILE APP COMPATIBILITY

Test, check and maintain all sMRT devices in one mobile application. The 'sMRT Beacon Management App' has been designed to give you peace of mind that your device is ready when you need it most and is compatible with all new sMRT devices.

APP FEATURES

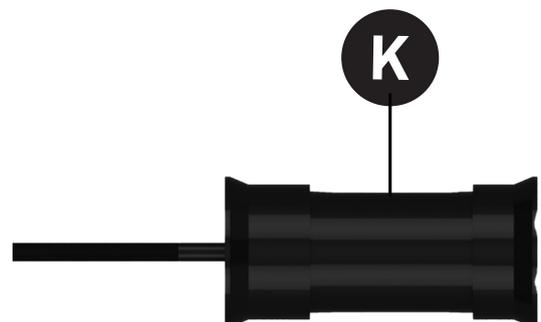
- ✓ Check beacon status
- ✓ View test history
- ✓ Monitor battery level
- ✓ Pair MMSI number

Please see user manual for further details on how to use the sMRT mobile app.



FEATURE LIST

- A** Antenna
- B** Lanyard Attachment Point
- C** Strobe Light
- D** TEST Button
- E** Arming Door
- F** Left LED
- G** Right LED
- H** ON/OFF Button
- I** GNSS Zone (inc GPS & Galileo)
- J** NFC Zone
- K** Water Sensor



CONTENTS

In your sMRT V300 box you will receive the below accessories. If you believe that anything is missing please contact your retailer as soon as possible.

sMRT V300

P/N: MOA-50075

Life Jacket Bladder Attachment Clip

P/N: 713020300

Oral Tube Mounting Clip

P/N: 713020301

Tether

P/N: 713000134

PERFORM SELF TEST

To perform a test of the sMRT V300, ensure the **ARMING SWITCH** is **[OFF]** and hold the **TEST BUTTON** for more than 3 seconds.

During operation, the **LEFT LED** indicates device test status and the **RIGHT LED** indicates GPS test status.

The **LEDs** may display the following indications:

STATE	LEFT LED	RIGHT LED
Test start (good battery)	Green Solid ●	Green Solid ●
Test start/waiting for GNSS lock (good battery)	Green slow flash alt ●	Green slow flash alt ●
Test transmitting (AIS burst)	Purple fast flash alt ●	Purple fast flash alt ●
Test transmitting (DSC)	Purple fast flash alt ●	Purple fast flash alt ●
Test (waiting for DSC acknowledgement)	White slow flash ○	Off
Test (DSC acknowledgement received)	Green 3 flashes ●	Green Solid ●
Test time out	Red 5 flashes ●	Red solid ●

Please refer to user manual for full list of LED indications.



IMPORTANT NOTE: During any test, if a **RED LED** is displayed, please try again. If the issue persists, remove from service and return to an authorised service center.

Ack = acknowledgement

Alt = alternating

Rx'd = received

Txing = transmitting

ACTIVATION METHODS



HOW TO ARM

1. Open the **DOOR COVER**
2. Slide the **ARMING SWITCH** to **[ARMED]**
3. Close the **DOOR COVER**



HOW TO ACTIVATE

1. Ensure the device is **[ARMED]**
2. Press the **ON BUTTON** for 5 seconds
3. -OR- Immerse in water for 2 seconds



HOW TO DE-ACTIVATE

1. Hold the **ON BUTTON** for 3 seconds
2. -OR- Slide the **ARMING SWITCH** to **[OFF]**

LED PATTERN



STATE	LEFT LED	RIGHT LED
Arming (good battery)	Green 3 flashes ●	Green 3 flashes ●
Return to idle	Red 1 flash ●	Red 1 flash ●
Alerting (no GNSS)	Purple slow flash ●	Off
Alerting (GNSS lock)	White slow flash ○	Off
Alerting (DSC received)	Green slow flash ●	Green Solid ●
Alert cancelling	Red 1 flash ●	Red 1 flash ●

TECHNICAL DETAILS

WEIGHT	190g
BATTERY TYPE	9V Lithium battery
BATTERY SHELF LIFE	5 years
OPERATING LIFE	Minimum of 12 hours at -20°C
ACTIVATION METHODS	Manual or Water Activation (2 seconds immersion)
OPERATING FREQUENCIES	VHF DSC, AIS, 121.5 MHz
GNSS RECEIVER	GPS and Galileo
TEMPERATURE RANGE	-20° to +55°C (-4° to +131°F) as per IEC 60945:2002
STORAGE RANGE	-30° to +70°C (-22° to +158°F) as per IEC 60945:2002
DIMENSIONS	-20° to +55°C (-4° to +131°F) as per IEC 60945:2002
VHF TRANSMISSION FREQUENCIES	VHF DSC Channel 70: 156.525 MHz AIS Channel 1: 161.975 MHz AIS Channel 2: 162.025 MHz
RED Article 3.1 (a)	IEC 62368-1:2018 EN IEC 62368-1:2020+ A11:2020 CSA/UL 62368-1:2019 AS/NZS 62368-1:2022
RED Article 3.1 (b)	EN 301 843-8 Draft: V1.1.1_0.0.5 EN 301 843-1 Draft: V2.3.1_0.0.8 EN 60945:2022
RED Article 3.2	EN 303 132 V2.1.1 IEC 63269:2022 IEC 61108-1:2003 EN 302 152-1 V1.1.1 EN 303 098 V2.2.1
RED Article 3.3 (g)	RTCM 11901.2:2022



BATTERY SHIPPING INFORMATION: UN3901 Lithium metal batteries contained in equipment in compliance with IATA PI: 970 Section II.

WARRANTY REGISTRATION

This product has a warranty period of 1 year from the date of purchase. Sign in or create a sMRT account to register your warranty for your product at **warranty.smrtsos.com**. You will be required to list the serial number from the product(s) purchased.

Failure to complete registration could delay any warranty claim.

Please check the user manual for full warranty information.

DECLARATION OF CONFORMITY

This Marine Rescue Technologies LTD confirm the sMRT ALERT, Model Number(s) MOA-50070, complies with the essential requirements of the applicable European Directives, and carry the CE mark accordingly. Please visit the product web page on www.smrtsos.com for full approvals & the EU Declaration of Conformity.

IMPORTANT WARNINGS

WARNINGS

- The sMRT V300 is a local area Man Overboard Beacon (MOB), that transmits emergency messages via VHF DSC and AIS as well as a local homing signal via 121.5 MHz.
- Before first use, perform a full system test to confirm that the device functions correctly as per manual.
- The sMRT V300 should **ONLY** be used in an emergency. It is not intended for routine tracking of persons or property **DELIBERATE MISUSE MAY INCUR A PENALTY.**
- When used in a commercial environment, annual inspection and recertification of the sMRT V300 by an authorised service partner is recommended every 12 months.
- Do not dismantle the sMRT V300 as it contains no user serviceable parts. Authorised service partners offer a full and comprehensive service and repair facility for recertification of units and battery replacement.
- Water activation is designed for salt water environments and may not function as intended in fresh water.

Please check the user manual for full safety information.

Marine Rescue Technologies Ltd. and authorised service agents offer a full and comprehensive service and repair facility for recertification of units and battery replacement. Please visit smrtsos.com to find your nearest service agent.



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VIEW FULL USER MANUAL

Scan the QR code to view the
product user manual online

FR: Scannez le code QR pour consulter le
manuel d'utilisation du produit en ligne.

DE: Scannen Sie den QR-Code, um die
Bedienungsanleitung des Produkts
online anzuzeigen.

ES: Escanee el código QR para ver el
manual de usuario del producto en línea.

