

Declaration of Conformity

Name of Manufacturer/Eu importer

Marine Rescue Technologies Ltd.
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United Kingdom
sales@mrtsos.com
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Declares that products:

AU9-D
Personal Locator Beacon

Conforms to the R&TTE Directive 1999/5/EC as attested by conformity
with the following harmonized standards:

EN 300 152-2 V1.1.1:

Electromagnetic compatibility and Radio spectrum Matters (ERM); Maritime Emergency Position Indicating Radio Beacons (EPIRBs) intended for use on the frequency 121,5 MHz or the frequencies 121,5 MHz and 243 MHz for homing purposes only; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive.

(Article 3.2)

ETSI EN 301 489-22 V1.3.1:

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 22: Specific conditions for ground based VHF aeronautical mobile and fixed radio equipment.

(EMC)

Conform to the Low Voltage Directive 2006/95/EC as attested by conformity with the following harmonized standard:

EN60950-1:2006:

Information technology equipment — Safety — Part 1: General requirements.

FCC ID – YFGAU9

Signed



Name

David Marshall

Position

Chairman

March 2013

SPECIFICATIONS

- Frequency: Live Beacon 121.5 MHz or 121.65MHz Test for training purpose
- Bandwidth 25KHz (in alignment with ETSI)
- Battery: user replaceable: 1x CR AAK pack for 500mW model
- Battery: 5 year shelf life (unarmed) Battery must be replaced if used in an emergency.
- Full power Endurance: 500mW = 24 hours
- Dimensions : Approx 95mm high x 80mm wide x 35mm deep.
- Antenna length: Approx 105cm
- Modulation: Continuous swept tone A3X
- Output power: 500mW depending on model.
- Temp. range (storage): -55°C to + 70°C;
- Approvals:
 - CE
- Automatic : When immersed in water for approx 2-5 seconds
- Depth Rating : 50 metres
- Antenna: 1m cable with flexible helical spring section, adaptable for lifejacket fitting
- Strobe: inbuilt LED strobe on antenna flashes 'SOS'.
- ILS: internal loudspeaker 80dB
- Weight: 250gms (approx)
- Environmental – the AU9 has passed the following environmental tests - Eurocae ED-14F
 - Temperature & altitude
 - Temperature variation
 - Humidity
 - Shock & crash safety
 - Explosive atmosphere
 - Waterproofness
 - Sand & Dust
 - Salt Fog
 - Magnetic Effect
 - RF – Susceptibility
 - Icing
 - ESD
 - Vibration Proof

MANUAL ACTIVATION ONLY– (A quick reference guide is also attached to the rear of your AU-D unit).

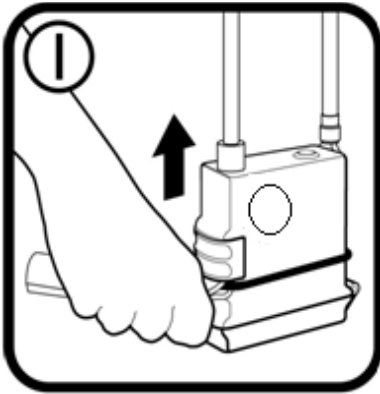


Fig 1 - Slide the side arming switch DOWN by lifting the rubber restrainer 'O' ring up and over the side switch

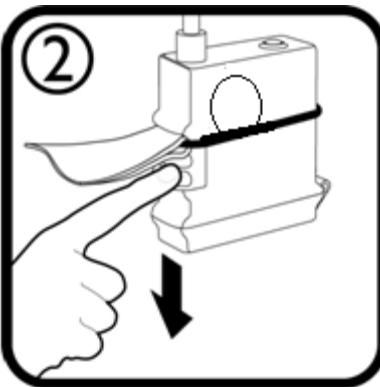


Fig 2 - Manually push the side switch down until it clicks, and ensure the 'O' ring sits back in the gap above the side switch

The unit is now ready for water immersion activation. When in water it will transmit on FULL POWER with a RED LED SOS sequence flashing every 30 seconds. (continuously).

SWITCHING OFF FROM MANUAL ACTIVATION



Fig 5 - Slide the side arming switch UP by lifting the rubber restrainer 'O' ring down and over the side switch and ensure the 'O' ring sits back in the gap below the side switch.

BATTERY TESTING ON LOW POWER

Curl up the antenna tightly into a spiral around your hand. This will reduce the signal strength. Slide the arm switch down and after approx a few seconds note LED function on antenna.

- Antenna Led flashes **GREEN** = Batteries **OK**
- Antenna Led not flashing = Batteries **DEAD**, replace/service required.
- Antenna Led flashes **RED** = Batteries **LOW** replace batteries.

AUTOMATIC LOW POWER INDICATOR

The unit has an automated battery status indicator, and in the OFF position it will automatically indicate it has a low powered battery by short 'BEEPS' (approx every 15-20 seconds), and by a **RED** flashing led. The batteries should be replaced immediately. It is recommended you TEST your units as indicated above before and after every use.

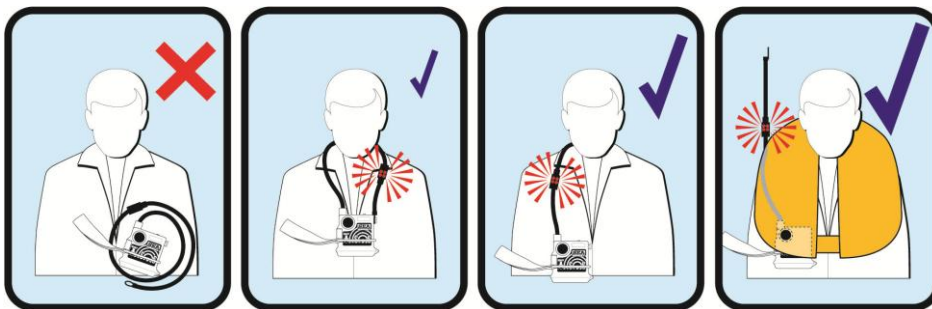
BATTERY CHANGE - A complete service/battery change pack is available from Marine Rescue Technologies or your local stockist.

Battery types: 500mW = CR AAK x1 6v pack with connector

- 1) Up end unit to reveal base screw.
- 2) Unscrew.
- 3) Lift base.
- 4) Check seal for damage.
- 5) Replace battery by disconnecting the cable and re-connect to the new battery pack
- 6) Close the base, tighten screw to 20n/cm torque to re-seal the unit*

The manufacturer cannot be held responsible for flooding caused by incorrect waterproofing)

WEARING THE UNIT OVERVIEW



Wearing the AU9 around the neck will reduce the tracking/alerting ranges to below the ranges listed herein. Also if the beacon is not securely fitted then there is a possibility that the beacon could become detached or float away.