



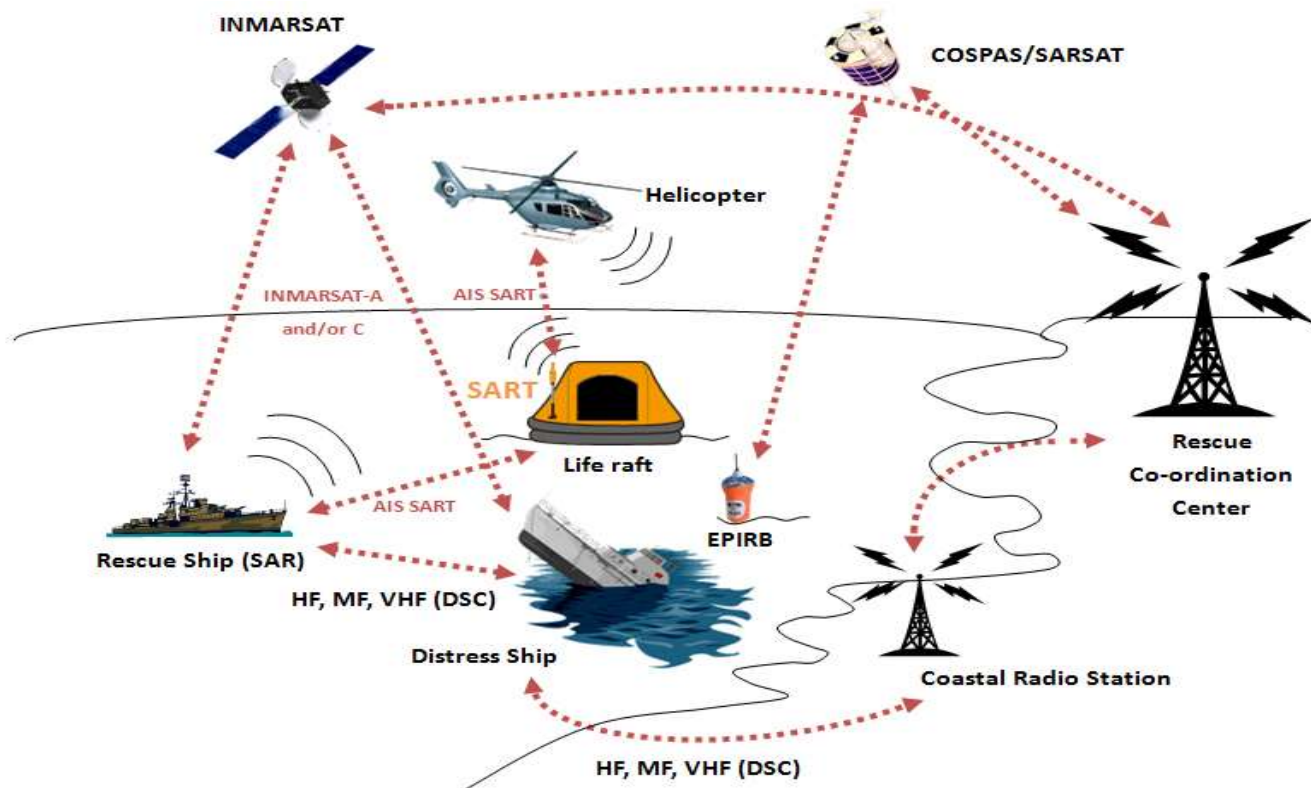
**WHEREVER LIFE TAKES YOU,  
TAKE GME.**



# **SR500 AIS SART**

## **Search and Rescue Transmitter**

# SART in Global Maritime Distress Safety System (GMDSS)



# What is an AIS SART?



- AIS **S**earch **A**nd **R**escue **T**ransmitter
- Can be carried by ships as a search and rescue **locating** device
- Able to transmit messages that indicate the position, static and safety information of a unit **in distress**
- The transmitted messages are **compatible with existing AIS** installations
- The transmitted messages can be **recognized and displayed** by AIS devices in the reception range

# Key Performance



- Signal transmission range up to 5 nm over water (EIRP = 1W)
- Battery operating time up to 96 hours.
- Support up to 100 times regular (maintenance) self-test.

# Easy To Use



- Pull & press: just 2 steps to activate!
- Can be easily activated by unskilled personnel.
- Visual LED to indicate correct operation.

## Technical Characteristics



- Can withstand drops from a height of 20 m into water without damage.
- Watertight at a depth of 10 m for at least 5 min.
- Capable of floating, with or without extension pole.
- Has a smooth external construction to avoid damaging the survival craft.

# Unique User ID



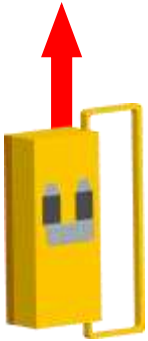
- A unique identifier (User ID) is pre-programmed on each unit to ensure integrity of the VHF data link.
- User cannot change the User ID of the AIS SART unit.

# Development Process



## Step 1:

Lift Carry Bag out of bracket on the wall.



## Step 2:

Bring Carry Bag and jump into a Life-Boat.



## Step 3:

Open Carry Bag and take AIS SART, Extension Pole and buoyant lanyard out



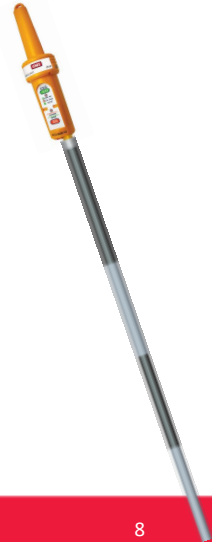
## Step 4:

Connect and rotate extension pole into SR500.



## Step 5:

Remove the bottom cover and extend pole up to 1 Meter





# Activating Process



## Step 1:

pull and break the red protection cover in order to reveal Activation Function Panel.



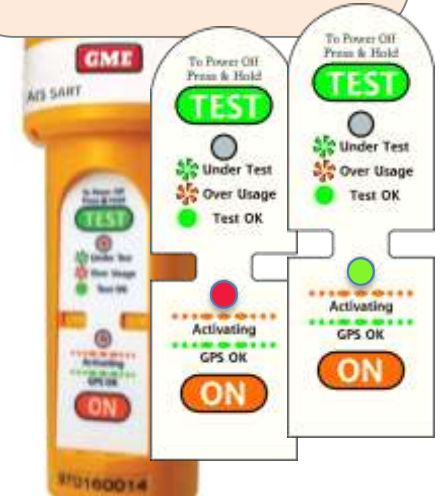
## Step 2:

Hold "ON" button for 2 seconds



## Step 3:

The indicator will flash ● Orange LED first for GPS searching and then flash ● Green LED while GPS position is fixed

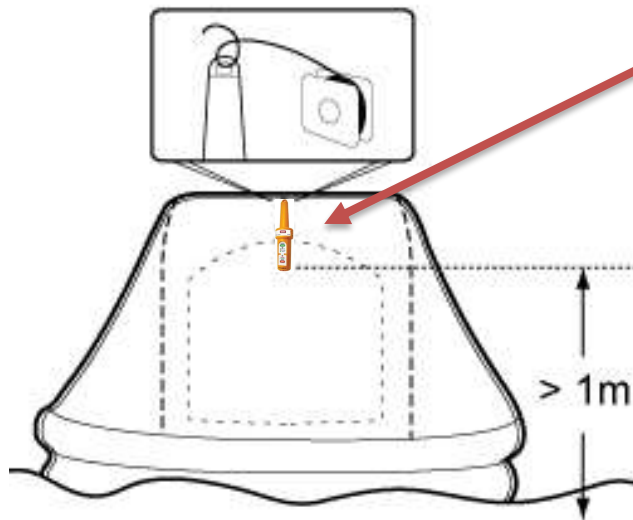


# Mounting Process



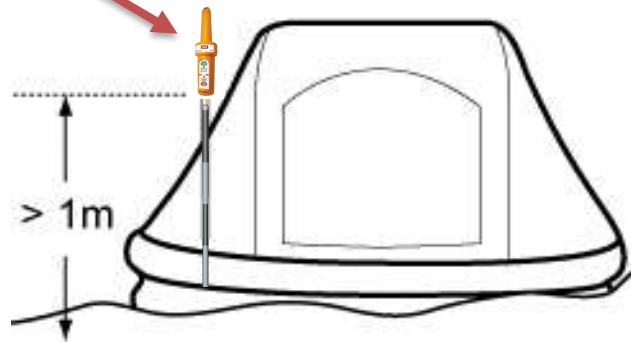
## Method 1:

Fix and position SR500 at the top of Life-Boat.



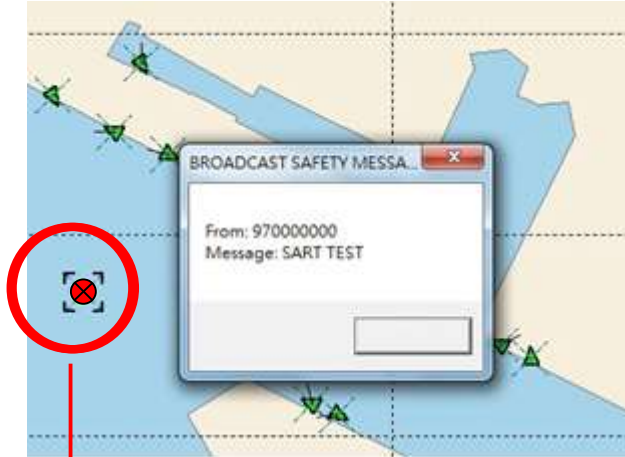
## Method 2:

Find the doorway entrance and locate the pole in vertical position at Life-Boat.



In both installation methods, the SR500 unit should be kept at least 1 meter above sea level. Generally, method 2 is more effective for transmitting AIS signals.

# Reception by AIS Receivers



**SART  
Symbol**

# Deactivating Process



## Step 1:

Hold "TEST" button over 3 seconds to power-off.



## Step 2:

Keep Holding "TEST" button until the Activating LED stops flashing. SR500 will then become deactivation.



# Self Test Process



## Step 1:

Hold "TEST" button over 3 seconds to power-off.



## Step 2:

The indicator will flash Green LED or Orange LED upon GPS position is fixed..



# Summary



- The unit is IEC 61097-14 compliant.
  - The unit has been approved by BSH and MED (Wheel Mark).
- AIS SART is technically more efficient and reliable than Radar SART.**
- AIS SART can replace Radar SART now.
  - SR500 is a great choice to ensure voyage safety.



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TAKE GME.



# SR500 AIS SART

## Search and Rescue Transmitter

*...Thank you*