

SAFETY



THE MAN OVER BOARD DETECTION SYSTEM

NKE proposes an EXCLUSIVE Man Over Board Detection System, as **SAFETY SHOULD NEVER BE AN OPTION !**

The Crew Transmitter not only allows you to detect when someone has fallen over board but also to warn the rest of the Crew members! The crew is alerted and can manoeuvre to rescue the MOB, with the added advantage of having the distance and bearing to the Man Over Board. When connected to the GPS, you have the exact position of the Man Over Board either directly on the Datacom or using the Universal Radio Receiver contact closure to trigger an external GPS. The contact closure connections can be also wired to an engine circuit-breaker, an EPIRB or any other safety equipment...



THE MAN OVER BOARD FAMILY



Equipped or not with nke instruments, you can benefit from the Man Over Board Detection function!

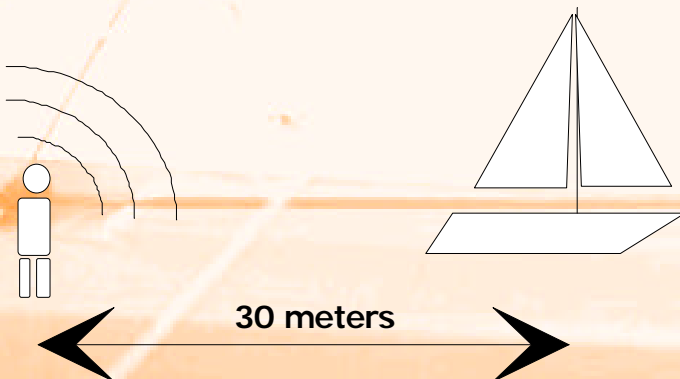
Your children, you'll equip them with a **Crew Transmitter**,

If you have a Gyropilot, you will select the **Gyropilot Wireless Remote Control**,

Using nke mast-displays? You will prefer the **Multifunctions Wireless Remote Control...**

It is as you want, but always with SAFETY in mind!

How it works...



If the holder of the transmitter falls overboard, the alarm automatically starts once he/she is out of range of the receiver, i.e. at 30 meters from the boat.

The triggering is AUTOMATIC and therefore the system CAN NOT MISS A MAN OVER BOARD!

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*NMEA 0183 sentence sent by the Universal Radio Receiver to the GPS or a Navigation Software

MAN OVER BOARD DETECTION

nke provides a UNIQUE Man Over Board Detection system, available in three different products :

The Crew Transmitter



The Gyropilot Wireless Remote Control



The Multifunctions Wireless Remote Control



The package consists of a **watertight portable transmitter** that can be worn around the neck or strapped to the wrist, and a **Universal Radio Receiver** mounted on the boat.

The receiver can handle up to 8 transmitters simultaneously. I.e. it insures the safety of 8 people on the boat!

The Man Over Board detection principle is simple : the remote control or Crew Transmitters permanently transmit their watchdog message.



If someone falls over board and is out of range of the receiver (30 m), the Man Over Board procedure is automatically triggered.

Technical characteristics :

| | |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmitters | The transmitters range is of 30 meters. Battery life of approximately 4 years* (*100 days/year for 4 years). |
| Receiver | The receiver has a rigid antenna and a BNC 50 ohms plug to connect to the internal antenna supplied or an external antenna for optimum performance everywhere on the boat. Powered in 12 volts. |

Triggering of the Man Over Board function :

In all configurations :

The receiver will "beep" for 7 seconds and then output a continuous alarm which will undoubtedly wake up everybody on board! The NMEA output will send the MOB message which can be processed by some GPS sets (MLR) as well as the major Navigation softwares.

The contact closure connections will be activated (one immediately, the second one after 10 mn), therefore triggering the safety devices to which they may be connected (i.e. engine circuit-breaker, EPIRB, VHF with the DSC channel (channel 70) or a GPS MOB input, ...).

If the receiver is connected to the nke's Topline Bus :

The Man Over Board channel appears on all nke multifunction displays, automatically displaying bearing and distance to the Man Over Board (dead-reckoning).

The GPS, if connected to the bus, automatically records the MOB position and displays Bearing and Distance to the Man Over Board.

If the receiver is connected to an nke Gyropilot :

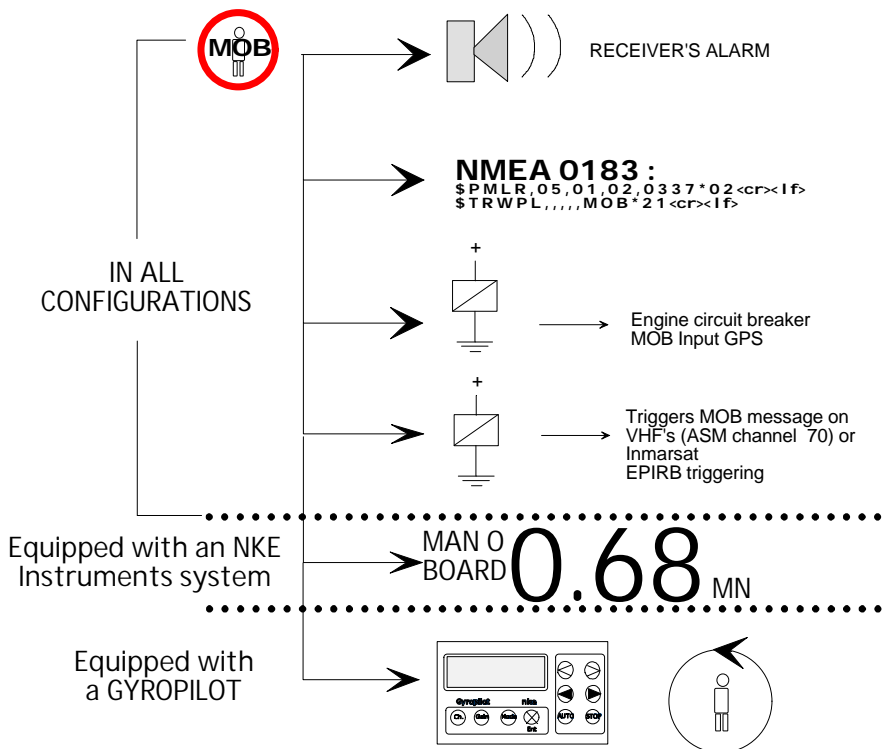
The Gyropilot is on STOP : It doesn't react but all the functions described in the section "In all configurations" occur.

The Gyropilot is engaged : In addition to the alarm functions, the **Gyropilot will stop the boat** on the MOB zone,

- If the system includes a masthead unit : the rudder is moved to bring the boat head to the wind.
- If the system does not include a masthead unit, the rudder is pushed hard over to initiate a heave to.

To sum up...

- WARN THE CREW
- RECORD THE MOB POSITION
- DISPLAY BEARING AND DISTANCE TO THE MOB
- STOP THE BOAT
- LEAVE THE BOAT ON THE MOB ZONE
- WARN THE RESCUE GUARDS



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