

# SafetyMOB

## Wireless Kill Cord



## SafetyMOB

Wireless kill cord - emergency stop

Every year there is several serious boating accidents where the driver falls overboard and the kill cord has not been used. If you fall overboard there is a great risk that the boat automatically turns and you get run over, or it continues straight ahead while maintaining speed.

The SafetyMOB system consists of a helm unit attached to the life jacket or the driver and a boat unit that is mounted in the boat. The helm unit communicates constantly with the boat unit which is connected to the boat's existing emergency stop - hold to run, if you fall overboard the communication is interrupted and the engine stops. It is possible to set the system in slow speed (fishermans) mode, this will increase the time until the engine is stopped if the communication is interrupted, so you have time to move closer to the boat unit to regain communication.

After the system is triggered for man overboard, the engine can be restarted by switching off the SafetyMOB system and after that start the engine as usual. If you have forgotten to bring the helm unit you can run the boat as usual, the system is not activated until a helm unit are in close proximity to the boat unit on startup.

The SafetyMOB system works on both outboard and inboard engines, gasoline and diesels with electronic stop. A detailed installation and user manual can be downloaded from [www.safeportmarine.se](http://www.safeportmarine.se)

### Specification boat unit

- Operating voltage: 10-16V DC
- Current consumption: 10mA
- Dimensions: 80x40x20 mm
- IP66 protection class

### Specification helm unit

- Battery: CR2032 3V
- Operating time: exceeding 1 year
- Dimensions: 66x30x11mm
- Weight: 25 gram
- IPX7 protection class



## Ease of installation

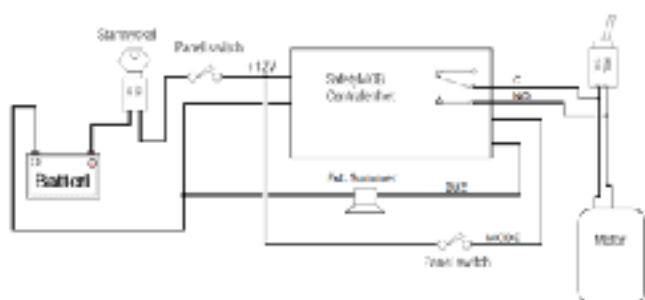
Installing a SafetyMOB boat unit is relatively easy and can be performed by "DIY".

The boat unit's cabling for emergency stop is connected in parallel or in series with the existing emergency stop. The boat's existing emergency stop will continue to function as normal. It is possible to connect an indicator light showing the current state of the system. It is also possible to connect an external relay, this can be used for instance to stop an electric motor (trolling motor). To use slow speed mode an external switch needs to be connected to the BLUE cable and +12V to select between normal and slow mode.

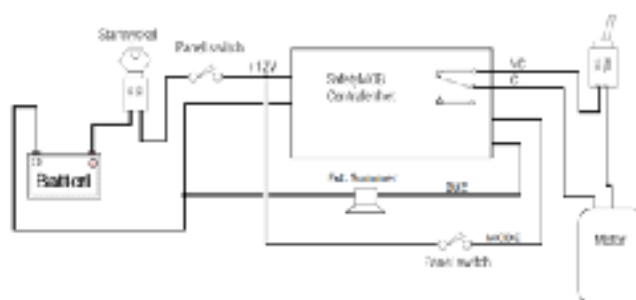
The boat unit is preferably mounted close to the steering wheel so that the distance to the driver is minimized, this makes the system less sensitive to radio interference.

## System configuration

When deploying a new system, the helm unit must be recognized by the boat unit. The system will automatically start the search for helm units. To ensure that the helm unit is transmitting you should give it a shake. When the boat unit 'chirps' 2 times a helm unit has been registered and the system is ready for use. This procedure is only necessary when you want to register a new helm unit to the system. The supplied helm unit is registered to the system.



Installation in a boat with short-circuit kill switch system.



Installation in a boat with breaking-up kill switch system.

## Technical specification

### Boat unit

Operating voltage: 10-16V DC  
 Current consumption: 130 mA  
 Connections: 1.25mm<sup>2</sup> cables  
 External relay: 12V/1A  
 Indicator light: 80mA/12V  
 Environmental resistance: IP66  
 Dimensions: 76x53x13 mm

### Helm unit

Battery: CR2032 3V Lithium  
 Operating time: exceeding 1 year  
 Range: 10-15m  
 Operating temp.: -20 to +50 deg C  
 Weight: 25g  
 Environmental resistance: IPX7  
 Dimensions: 60x30x11 mm