WIRELESS YACHT REMOTE CONTROL SYSTEMS

PILOT-H Wireless Yacht Remote

Control engines, thrusters and anchor windlass from anywhere on deck



FUNCTIONS	**Engines, thrusters, windlass, horn**
MAX. FUNCTIONS	**Up to 6**
ENGINE CONTROL	**Gear in / out at idle**
VESSELS	**Single & twin engine**
RANGE	**100 m tested, ~500 m open**
TRANSMITTER	**IP65, 210 g, 2 × AA**
BATTERY LIFE	**Up to 12 months**
RECEIVER	**IP65, aluminium, 12/24 V DC**
OPERATING TEMP.	**−35 °C to +75 °C**

OVERVIEW

PILOT-H is the standard Maritronix wireless yacht remote for **docking, undocking, anchoring, mooring, stern-to berthing** and close-quarters manoeuvring.

The skipper engages the engines at idle speed and operates thrusters and windlass from outside the main helm, with a clear view of the quay, the lines and the crew.

WORKS WITH YOUR HELM

PILOT-H integrates with the **original helm system without bypassing the manufacturer's control logic**, using gateway modules, analog interfaces or plug-and-play harnesses depending on the engine system.

Setup runs in a **browser-based installation wizard**: no app, licence key or special software required.

KEY FEATURES

- **Idle-speed engine control**
  Gear-in / gear-out forward or reverse in one calibrated, low-speed step.
- **Dual-channel safety architecture**
  Two independent microcontrollers and two relays in series per control path.
- **Coded wireless link**
  Hamming-code-based transmission; range tested to 100 m on every unit.
- **Wide engine compatibility**
  Volvo Penta, Yanmar, Mercury, Yamaha, ZF, Twin Disc, NHK MEC and more.
- **Engines, thrusters, windlass, horn**
  Up to 6 functions on single- and twin-engine boats, depending on configuration.
- **Emergency stop**
  Dedicated STOP button, designed with reference to ISO 13850 principles.
- **Floating, rugged transmitter**
  IP65, buoyant in water, battery status LED, up to 12 months on 2 × AA.
- **Individually tested**
  Every system is tested before shipment. Optional Maritronix docking joystick.



Handheld transmitter with STOP / START and safety lanyard



IP65 aluminium receiver with status LEDs and sealed cable glands



Transmitter rear with serial number and IP65 / CE / FCC label

SYSTEM	
System type	Wireless yacht remote control
Supported vessels	Single- and twin-engine boats
Controlled functions	Engines, bow / stern thruster, windlass, horn
Max. functions	Up to 6, depending on configuration
Engine control	Single-stage, calibrated idle command
Integration	Gateway, analog interface or harness
Setup	Browser-based wizard; no app or licence
Options	Maritronix docking joystick

TRANSMITTER (HANDHELD)	
Dimensions	70 × 185 × 40 mm
Weight	210 g
Housing	PA6 GF30, buoyant in water
Power supply	2 × LR6 / AA, 1.5 V
Battery life	Up to 12 months, depending on use
Protection	IP65
Indicators	Battery status LED

RECEIVER	
Dimensions	260 × 167 × 82 mm
Weight	2,500 g
Housing	Aluminium
Power supply	12 V / 24 V DC
Protection	IP65 with hydrophobic vent
Diagnostics	Status LEDs

RADIO, SAFETY & ENVIRONMENT	
Signal encoding	Coded, Hamming-code-based
Range, tested	Up to 100 m (every unit)
Range, open area	Up to approx. 500 m*
Control logic	2 independent microcontrollers
Output stage	2 relays in series per control path
Emergency stop	With reference to ISO 13850
Operating temp.	−35 °C to +75 °C (both units)

TRANSMITTER LAYOUT



1 STOP / OFF (emergency stop)
2 START / function button
3 Bow thruster left
4 Bow thruster right
5 Port engine forward (idle)
6 Starboard engine forward (idle)
7 Port engine reverse (idle)
8 Starboard engine reverse (idle)
9 Stern thruster left
10 Stern thruster right

Anchor windlass: hold START and press a bow thruster button.

Button assignment varies with the system configuration.

COMPATIBLE ENGINE & PROPULSION CONTROLS

Volvo Penta · Yanmar · Suzuki Marine · Mercury / MerCruiser · Yamaha · Honda Marine · Cummins / Zeus · Caterpillar · MAN Marine · MTU / Rolls-Royce · ZF Marine · Twin Disc · Glendinning · NHK MEC · Dometic / SeaStar · Kobelt · Flexball / Ultraflex

Including Volvo Penta EVC / IPS, Yanmar VC, Suzuki SPC, Mercury DTS, Yamaha Helm Master, ZF MicroCommander and NHK MEC KE series. Integration depends on vessel configuration and is confirmed by Maritronix. Full list: **List of supported controls** (PDF).

TYPICAL APPLICATIONS

- Docking and undocking
- Stern-to berthing
- Anchoring and mooring
- Close-quarters manoeuvring
- Pleasure yachts
- Working and fishing vessels

DOCUMENTATION

- User instruction manual
- List of supported controls
- Warranty policy · PILOT-H catalogue

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* Open-area range depends on conditions and installation. Specifications are subject to change without notice. All brand names are trademarks of their respective owners.

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