WIRELESS YACHT REMOTE CONTROL SYSTEMS

PILOT-H PRO Wireless Remote Control

Proportional wireless yacht remote with calibrated two-stage engine response



SYSTEM TYPE	**Proportional wireless remote**
ENGINE CONTROL	**Two-stage proportional**
CONTROLS	**Engines, thrusters, windlass, horn**
WIRELESS RANGE	**100 m tested, ~500 m open area**
TRANSMITTER	**IP65, buoyant, 210 g**
BATTERY	**2 × AA, up to 12 months**
RECEIVER SUPPLY	**12 / 24 V DC**
OPERATING TEMP.	**−35 °C to +75 °C**

OVERVIEW

PILOT-H PRO is the advanced proportional version of the Maritronix PILOT-H wireless yacht remote control. It is built for boat owners, skippers, yacht builders, installers and boatyards who need **precise low-speed control** during docking, undocking, anchoring, mooring and stern-to berthing.

The skipper controls engines, bow and stern thrusters, anchor windlass and horn from the **best position on board**: aft deck, side deck, swim platform or bow.

TWO-STAGE ENGINE RESPONSE

Each engine button has **two pressure points**. A normal press (Stage 1) engages the gear smoothly at idle speed. Pressing further (Stage 2) gives a **stronger calibrated thrust**, set to a preset RPM during installation.

This suits heavier yachts, high windage, wind and current correction and tight marinas, where simple gear-in / gear-out control is not enough.

KEY FEATURES

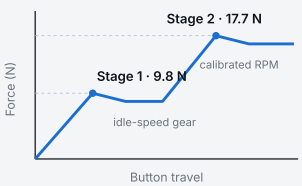
- **Calibrated two-stage proportional control**
  Gentle idle-speed positioning or stronger thrust from the same button.
- **Plug-and-play gateway integration**
  Prepared harnesses, gateway modules or analog interfaces. No cutting or splicing.
- **Industrial-grade safety architecture**
  Dual microcontrollers, two relays in series per output, ISO 13850-referenced emergency stop.
- **Browser-based setup wizard**
  Configure from any Wi-Fi device. No app, licence, special software or cable.
- **Works with the original controls**
  Added as a protected interface. Helm, throttles, joystick and engine diagnostics stay active.
- **Broad engine compatibility**
  Volvo Penta, Yanmar, Mercury, Yamaha, ZF, Twin Disc, MAN, Cummins and more.
- **Coded radio link**
  Hamming-code-based transmission resists interference and unintended activation.
- **Compact receiver**
  160 × 160 × 70 mm, fits behind crowded modern helm stations.



Complete system: transmitter, receiver, holder and plug-and-play harnesses



Compact receiver with antenna and pre-wired connection cables



Two-step engine button: Stage 1 at 9.8 N, Stage 2 at 17.7 N actuation force

SYSTEM	
System type	Proportional wireless yacht remote control
Engine control	Calibrated two-stage proportional
Stage 1	Smooth gear engagement at idle speed
Stage 2	Stronger calibrated thrust (preset RPM)
Controlled functions	Engines, bow / stern thruster, windlass, horn
Max. functions	Up to 6, depending on configuration
Supported vessels	Single-engine and twin-engine boats
Docking joystick	Optional Maritronix docking joystick

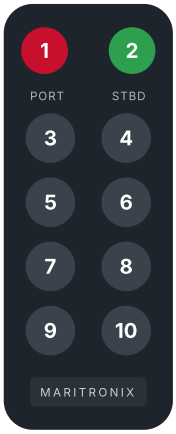
TRANSMITTER	
Dimensions	70 × 185 × 40 mm
Weight	210 g
Case material	PA6 GF30
Buttons	Two-step engine buttons, two pressure points
Power supply	2 × LR6 / AA, 1.5 V
Battery life	Up to 12 months, depending on use
Battery indication	LED on transmitter
Protection	IP65, buoyant in water
Operating temp.	−35 °C to +75 °C

RECEIVER	
Dimensions	160 × 160 × 70 mm
Enclosure	Industrial polycarbonate
Power supply	12 V / 24 V DC
Protection	IP65, depending on installation
Diagnostics	Status LEDs
Operating temp.	−35 °C to +75 °C

RADIO & SAFETY	
Wireless link	Coded signal, Hamming-code-based transmission
Range	Tested to 100 m before shipment
Open-area range	Up to approx. 500 m*
Controllers	Dual independent microcontrollers
Output relays	Two independent relays in series per path
Emergency stop	Designed with reference to ISO 13850

SETUP & INTEGRATION	
Configuration	Web browser via Wi-Fi, installation wizard
App / software	Not required
Programming	Not required for normal setup
Interfaces	Gateway, CAN-Bus, analog or plug-and-play harness**

TRANSMITTER BUTTON LAYOUT



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

Buttons 5–8: Stage 1 idle-speed gear, Stage 2 higher preset RPM. Anchor windlass in a typical setup: hold 2 + press 3 or 4. Assignment may vary with vessel configuration.

SUPPORTED ENGINE CONTROL SYSTEMS

Volvo Penta EDC / EVC · Yanmar VC · Suzuki SPC · Mercury SmartCraft DTS · Yamaha DEC / Helm Master · Honda iST · Cummins / Zeus · Caterpillar · MAN Marine · MTU · ZF Marine · Twin Disc · Glendinning · NHK MEC · Dometic SeaStar · Kobelt · Flexball / Ultraflex

Electronic and analog systems. Full list of supported controls available on maritronix.eu.

SCOPE OF DELIVERY

- Transmitter with lanyard, ×1
- Receiver with antenna, ×1
- Transmitter holder, ×1
- Emergency stop button, ×1
- Connection harnesses**
- Installation & user manual

TYPICAL APPLICATIONS

- Docking and undocking
- Stern-to berthing
- Anchoring and mooring
- Wind and current correction
- Single-handed manoeuvring
- Narrow marina operation

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* Depends on environment, antenna position and obstacles. ** Harnesses, gateway modules or analog interfaces are prepared for the specific engine control system and vessel. Specifications are subject to change without notice. Brand names are trademarks of their respective owners.

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