dockmate®

Docking Made Easy !

Wireless remote control trusted by the leading brands
of thrusters and electronic controls.

dockmate.eu

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With industry leading technology the Dockmate® system provides a safe and stress free docking experience.

You are able to leave the helm and get a closer look at your surroundings while still in complete control of the boat's movement, resulting in total control during typical manoeuvring in marinas and tight quarters.

THE SAFEST DOCKING SOLUTION AVAILABLE

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“

The advantage that the installation of Dockmate® provides cannot be overemphasized:

Enabling me to remotely control my motor boat whilst standing on deck when docking, and then being able to step directly ashore and get a rope secured before the tide/wind carries me away again.

The ability to:

- see all of your boat and your surroundings clearly;
- slip in and out of gear both ahead and astern at a click of a button or the push of a joystick;
- control the bow and stern thrusters on the same control pad makes manoeuvring a piece of cake.

Whether it is:

- coming alongside or leaving a pontoon;
- tying up to a buoy;
- mooring in a box berth;
- going through a lock;
- picking up or dropping the anchor

All of which I have done repeatedly, partly single-handedly, with ease and without worry due to the installation of a Dockmate® , during my 700 mile summer cruise to Friesland in the Netherlands this year.

Well worth every penny.

”

Paul Woodward - Owner of a Saga 315 (2010)

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A Remote Control for every Boat

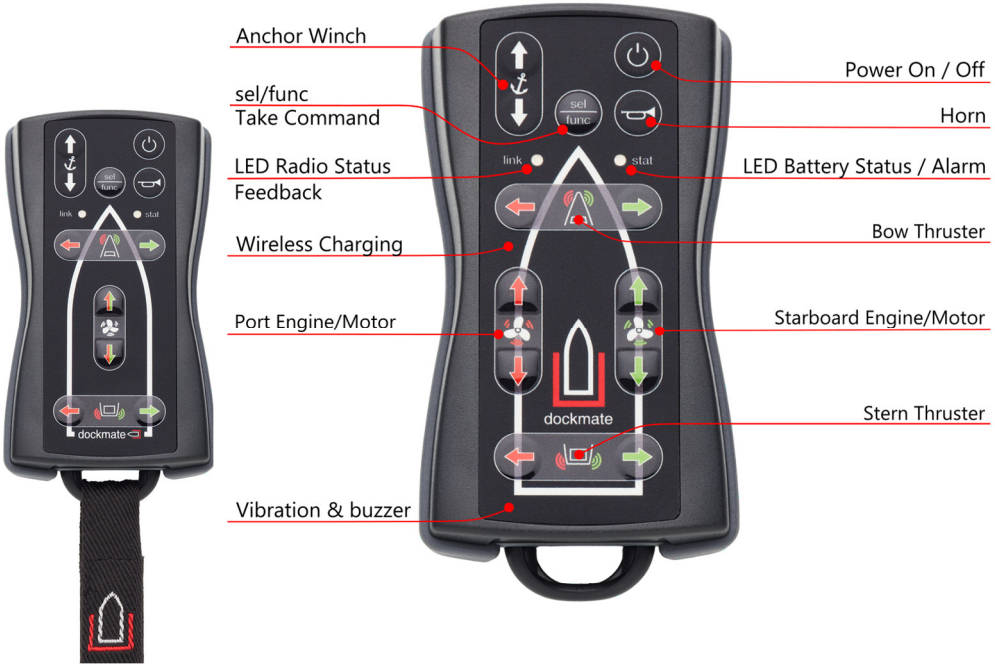
The SINGLE+ & TWIN+ wireless remote controls are our basic tools.

The SINGLE+ & TWIN+ remotes send a coded digital signal to the Receiver which operates the engine(s) and horn. The system can be extended modularly to also control the bow thruster, stern thruster and windlass.

Operation is easy, accurate, safe and reliable, and can be done from any location aboard the boat. If the SINGLE+ and TWIN+ remotes somehow slip out of your hands, then all systems immediately drop to neutral. There is also an automatic shut off after 30 minutes of non-use.

They charge automatically when placed in their Cradle.

Last but not least, SINGLE+ & TWIN+ are waterproof (IP67) and float.



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TWIST

The most sophisticated yet simple to use wireless remote control on the market!

The TWIST can be fully customized to combine engine- and thruster control in 1 joystick. Moreover, the TWIST's proportional 3-axis joystick can provide **fully proportional speed control** of the boat's engines and thrusters which offers the exact same feeling and response time as the boat's engines and thrusters.

Winch or windlass and horn can also be controlled from the TWIST.

The TWIST remote can be used as a remote control or as a fixed joystick (when clamped in its charging Cradle).

TWIST is also waterproof (IP67) and floats.

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VECTOR

If you have a boat with a CAN bus joystick system, then the VECTOR remote is the one for you.

- The Dockmate® VECTOR offers a wireless extension of your boat's joy-stick with the exact same feeling and response time.
- Control POD systems with the fully proportional joystick.
- Operates Dynamic Positioning Systems (DPS), when installed.
- Allows you to engage High Mode.
- VECTOR can also be used on the Volvo Penta inboard joystick for Aquamatic Sterndrives and shafts.
- VECTOR is waterproof (IP67) and floats.

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Fixed joystick or wireless remote control?

No need to choose! Dockmate® TWIST or VECTOR, combined with its Cradle — a wireless charger —, provides the best of both worlds.

Mounted anywhere inside or out, like on the flybridge.

Waterproof (IPX6), UV-resistant, anodized aluminium chassis.

Multiple units can be installed for optimal convenience.

The Dockmate® Cradle is specially developed by

SCANSTRUT®
outdoor . technologies .

ROKK™
WIRELESS.

to accommodate the Dockmate® remotes.

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Dockmate® Receiver

The device our Dockmate® remotes talk to. The Receiver translates the commands given through the remote and relays them to your boat's controls. The Receiver is in essence the link between the Dockmate® remote and your boat.

- The Dockmate® Receiver is a modular system. Every Receiver is assembled and programmed for a specific boat. The boat's equipment and the customer's wishes determine which modules are installed in the Receiver. This means every Dockmate® is built to order.
- The Receiver is connected directly to all the necessary controls of your boat.
- The Receiver is made out of aluminium and completely waterproof to IP67 rating.
- The Receiver supports all electronic controls, both analogue and digital (CAN bus).

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Dockmate® Gearbox Driver

The Dockmate® Gearbox driver is a specially developed interface that allows Dockmate® to connect directly to the boat's gearbox(es).

This Interface allows Dockmate® to by-pass the ship's CAN bus system, thus avoiding any possible protocol incompatibility or problem.

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DOCKCONTROL

Dockmate®'s DockControl software offers the ultimate
in remote control customizability!

Dockmate® combined with our DockControl software offers customers a remote-control solution that can be tailored to the real-world capabilities of their vessel and their own boating style.

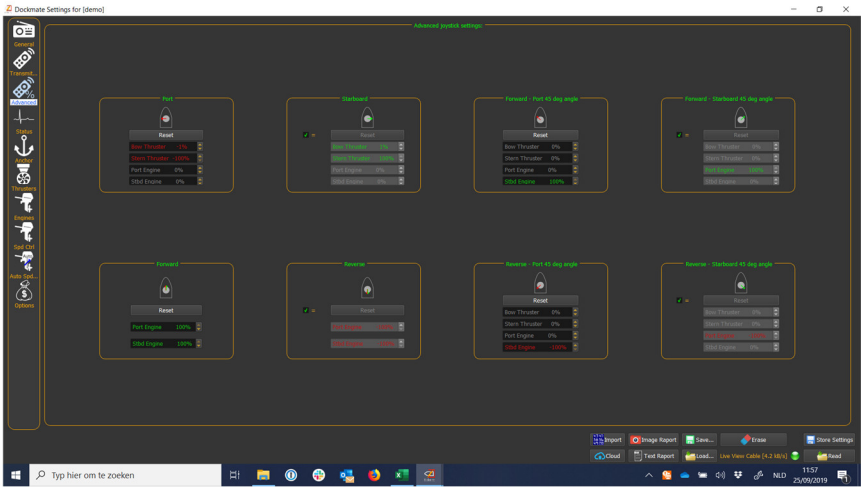
DockControl gives the installer the ability to program the remote control by choosing any combination of engine(s) and thruster(s) activation(s).

It allows for:

- adjusting the sensitivity and behaviour of the Dockmate® TWIST and VECTOR joystick;
- choosing which functions are activated by each joystick direction;
- adjusting the size of the joystick's dead-zone to avoid accidental activation

It can add functionality that was previously unavailable on a boat, like:

- moving a boat with 2 engines and a bow thruster sideways parallel;
- moving a boat with 2 on/off thrusters sideways parallel



Example 1 of flexibility and added functionality:

Lots of boats have 2 engines but only 1 bow thruster (no stern thruster).
A skipper can “walk the boat sideways parallel” by just pushing Dockmate®’s TWIST joystick to the left or right.

→ This will engage the boat’s engines (one forward, one astern) and bow thruster simultaneously.

Example 2 of flexibility and added functionality:

Lots of boats have 2 on/off thrusters (bow and stern).
When you have 2 non-proportional thrusters, one thruster is more effective than the other. This makes moving the boat sideways parallel not as straightforward as you may think.
A skipper can still “walk the boat sideways parallel” by just using Dockmate®’s TWIST joystick.

→ When you push the joystick a little bit sideways, only the weakest thruster activates.

→ When you push the joystick completely sideways, both thrusters activate.

→ By alternating between those 2 states, the boat moves sideways parallel.

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Dockmate® features

Waterproof (IP67) remotes, with a rubber finish, that float

Waterproof (IP67) modular Receiver with waterproof connectors

Waterproof (IPX6) wireless charging Cradle

Proportional 3-axis joystick with a twist function

Plug-and-play cables for most brands

Automatic take command via the remote to make it the active station

Highly reliable 2-way (FHSS) communication between remote and Receiver

Visual, audible and tactile alarm on the remote

Visual and audible alarm on the Receiver

Large operational range (50m / 165ft)

Support for electronic controls, both analogue and digital

Proportional throttle control
(the more you push on the joystick, the more throttle is provided)

Redundant “fail-safe” technology with multiple relays.

Analogue or Digital connection

Custom made cables for plug-&-play connection.

3 year manufacturer’s warranty with 30 day satisfaction
or money back guarantee

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Technical Details

Federal Communications Commission (FCC) certified

CE certified

Dockmate uses a proprietary wireless communication protocol: DockLink™. DockLink™ is a state-of-the-art bidirectional (2-way) FHSS (Frequency Hopping Spread Spectrum) communication, with gaussian frequency-shift keying and FM modulation on the 868MHz or 433MHz band, between the remote and Receiver, thus ensuring superior range. The rolling code changes more than 6x per second over a unique set of 6 different channels. Suffice it to say that DockLink™ is designed to virtually eliminate any possible chance of interference.

Dockmate can be powered from a 12V or 24V power supply.

Dockmate® is available in 433 or 868MHz, depending on local regulations.

The Dockmate® system can control up to 7 functions!

- Horn
- Anchor windlass or winch - 1 or 2 anchors
- Port engine/motor
- Starboard engine/motor
- Bow thruster
- Stern thruster

The Dockmate® system has redundant “fail safe” technologies built into both the hardware and software.

Receiver dimensions: 23,8 x 20,5 x 8,6cm OR 9,4” x 7,9” x 3,2”

Operational range: 50m / 165ft

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FAQ

Is dual band better than single band?

Simply stated, NO! Dockmate® uses its proprietary DockLink™ protocol, which is an infinitely superior technology, state-of-the-art bidirectional (2-way) FHSS (Frequency Hopping Spread Spectrum) communication, with gaussian frequency-shift keying and FM modulation on the 868MHz or 433MHz band that provides superior range.
The rolling code changes more than 6x per second over a unique set of 6 different channels, thus virtually eliminating any possible chance of interference.
Dual band units use only one channel on 433 MHz and one channel on 868 MHz, in one direction. The transmission alternates between the two single channels, allowing for possible interference and dead spots.

How do I know if the batteries in my remote remote are running low?

There is a battery indicator/status LED that will illuminate RED if your batteries are running low. If the batteries are too low, the Dockmate® will not transmit, therefore the boat will not go into gear and all functions will default to OFF or NEUTRAL. All normal engine controls can be used if the battery in the Dockmate® remote is dead.

Are there any safety features built into the Dockmate® system?

YES, the Dockmate® system has redundant “fail safe” technology. In order for the engines to go into gear 4x relays contactors MUST activate.

If the Dockmate® remote is dropped, the engines and thrusters will immediately go into neutral.

The main engine controls can be used immediately if the Dockmate® remote falls overboard or is lost.

Can other remotes interfere with my boat?

NO, due to the type of RF communication we use, it virtually eliminates any possible interference from other systems. See question: Is dual band better than single band?

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FAQ

Will Dockmate® work with my boat's POD system?

Dockmate® is compatible with the Volvo Penta IPS system. The Dockmate® VECTOR joystick feels like an exact replica of the Volvo IPS joystick offering proportional throttle control for EVERY function of the joystick.

Does Dockmate® have throttle control?

YES, Dockmate® offers optional PROPORTIONAL throttle control on the TWIST remote (the more you push on the joystick, the more throttle is provided) and incremental throttle with the SINGLE+ and TWIN+ remotes (push a button and the throttle jumps up to a predetermined RPM).

How do I know if my Dockmate® remote has lost communication?

The Dockmate® has a range of approximately 150 ft. In the unlikely event that the Dockmate® loses communication with the Receiver, the remote will sound an alarm and start vibrating when a button is pressed. ALL functions will immediately default to the OFF or NEUTRAL setting.

Why is Dockmate® so much less expensive than the competition?

As technology improves over time, costs will typically come down with the advancements. Remember when plasma TVs were first introduced into the market? In 2002 a 42" SONY plasma TV was the BEST technology you could buy and cost €13,999! Now, you can buy a 43" SONY 4K UHD Smart TV for €650!

Many technologies today are light years ahead of where they were in the early 2000's and the cost is significantly less. While a competitor's price has gone up over the years, the Dockmate® price has gone down!

We are continually improving our product. Hardware & software updates are readily available to provide the newest advanced features, even to most older units that are already in the field.

The product as illustrated and the technical specifications are subject to modification without prior notice.

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Advanced technology, customizable software, and fail-safe technology give Dockmate® the successful ingredients for the wireless remote control system of the future.

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