

# May 2019

Media	Context	Link
Boat US Magazine	Twist in Technology	Print
Boat US Online	Dockmate Allows You to Park Your Boat from Anywhere on Deck	<a href="#">Link</a>
Boating Magazine	Wireless Joystick Controls in Electronics	Print
Houseboat Mag Online	Next-Gen Wireless Docking in Eyes on the Prize	<a href="#">Link</a>
Marine Link Online	Dockmate at Seawork International	<a href="#">Link</a>
Maritime Propulsion E-News	Dockmate at Seawork International 5/10	N/A
Maritime Propulsion E-News	Dockmate at Seawork International 5/15	N/A
Maritime Propulsion E-News	Dockmate at Seawork International 5/17	N/A
Maritime Propulsion Online	Dockmate at Seawork International	<a href="#">Link</a>
Pacific Powerboat E-News (AU)	Ultraflex Interface Now Available	N/A
Pacific Powerboat Online (AU)	Ultraflex Interface Now Available	<a href="#">Link</a>
Passage Maker (Facebook)	Docking System Video at Trawlerfest	<a href="#">Link</a>
Passage Maker Online	Worry-Free Docking Video	<a href="#">Link</a>
Power and Motoryacht Online	Next-Gen Wireless System in Dock Magic	<a href="#">Link</a>
Sea Technology Magazine	Next-Gen Wireless System in Product Development	Print
SeaWork Magazine (EU)	Stress Free Docking Solutions	Print
Soundings Online	Next-Gen Wireless System in Beyond the Basics	<a href="#">Link</a>
Trade Only Today Magazine	Next-Gen Wireless Remote Control in New Electronics to the Trade	Print



## TECHNOLOGY 2019

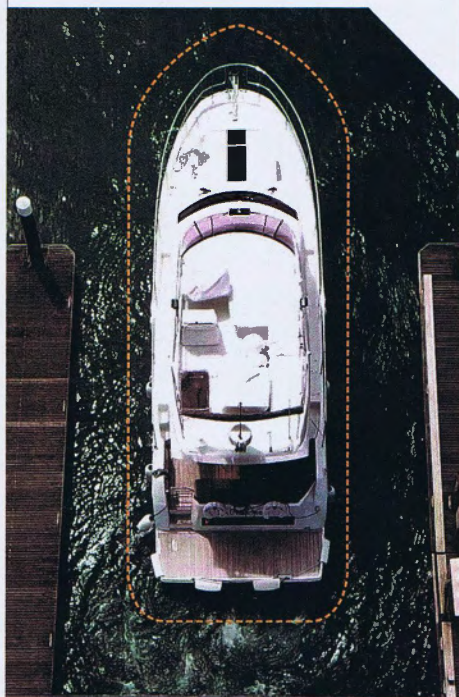
SHUTTERSTOCK/VEDEDESIGN

Today it's all about  
**SMART BOATS** that fully integrate  
the way we navigate, enjoy, and  
use our vessels to elevate our  
boating experiences to new levels  
of comfort and safety

**B**y leaps and bounds, technology is changing the way we boat, making boating easier, more comfortable, more connected, less stressful, and more fun. Newer generations were born into this age of high-tech everything, where instant communication from anywhere in the world is a given, cars can park themselves, and our houses know when we're home and can adjust our lights and temperature. Now these innovations are revolutionizing boating as well, driven by new smart technologies that make it more comfortable and convenient, easier to maneuver and dock, and allow our boats to monitor themselves. This month, let's take a look at what technology is doing to make boating better. Then, for fun, check out a special online story from our editors ([BoatUS.com/Magazine](http://BoatUS.com/Magazine)) where we each predict what boating and boats will look like in the future. Join us for a look forward.

# THE





restricted visibility. You may not be able to see the swim platform from the helm, on some boats a bow pulpit is hard to keep in view, or passengers can get in the way of your line of sight. In these cases, you might find yourself wishing for a joystick you could hold in the palm of your hand. And with a little advance planning, you can have it.

New systems from the likes of Dockmate (the Dockmate Twist) and Yacht Controller (the Fusion Wireless Joystick Remote) provide wireless handheld remotes about the size of a cell-phone, which incorporate a small joystick. Both can also integrate bow or stern thruster control on top of engine controls, and can interface with virtually any electronic engine-control system.

We had the opportunity to test a Dockmate Twist prior to its introduction to the market last fall and used it to pull a twin-engine diesel inboard boat with a bow thruster into and out of its slip several times. Bottom line: Maneuvering the boat was a piece of cake. In fact, we watched as a sailboat who had never docked a twin inboard diesel in her life took the joystick in hand and put the boat into its slip with-

out so much as rubbing a piling. A stress reliever? You bet.

### Future perfect


As easy as joysticks can make close-quarters boat maneuvering, manufacturers are in an arms race to constantly improve these systems. One of the most interesting developments comes via Evinrude's iDock system, which incorporates an aircraft gyroscopic sensor. This allows the system to sense when outside influences change the way the boat responds to your commands. If a big gust of wind grabs the bow and shoves it off course, with other systems you'd have to increase pressure on the joystick to counter the effect. But the iDock senses the change and applies power correspondingly to keep the boat on course and in position automatically.

We tested this function on a pontoon boat in 20-knot gusts – a situation ripe for docking disaster – and found that while it wasn't a silver bullet due to a microsecond of time delay, it did in fact erase the majority of the wind's influence and made docking far easier in the extremely difficult conditions.

What could be even better than joy-

**Opposite and above left: Volvo Penta's joystick system allows users to dock and maneuver boats simply with the touch of a finger. Above: At press time, Raymarine announced a new assisted-docking system called DockSense, which will integrate object-recognition and motion sensing via FLIR machine vision camera technology and video analytics with the vessel's propulsion and steering systems. Stay tuned; we'll report back after we have the opportunity to see with our own eyes how it works.**

stick handling? How about hands-off automatic docking? Volvo Penta has already demonstrated an early version of a self-docking prototype system that it claims is targeted for a 2020 launch. The system requires a number of sensors added to both the boat and to the dock it's heading for, but it's already been successfully demonstrated on a 68-footer for both entering and exiting a tight slip.

No, you can't enjoy the benefits of this system just yet, but it's close to being reality. And that will change the reality we see reflected time and time again in surveys and talk on the docks. Because when it comes to docking stress, time immemorial is drawing to a close. 



## Dockmate: Fingertip Docking

Dockmate allows you to park your boat from anywhere on deck, so you can always see from the best vantage point.



Dockmate is a wireless control system that allows the skipper to control the boat from anyplace on board — helm, bow, stern, midship. About the size of a large cellphone, the wireless controller has a range of 150 feet and allows the user to operate bow and stern thrusters, main engines, even the horn and windlass. Compatible with most electronically controlled engines, the system is available in four models: Single, Twin, Twist 3-axis joystick with proportional control, and Twist IPS for POD drives such as the Volvo IPS.

The compact receiver measures 8.75 x 8.75 x 2.5 inches, allowing for discrete installation, is compatible with both 12- and 24-volt systems with power redundancy for added safety, and sports a modular construction for quick customization and installation of additional control modules.

Watch the video to see Dockmate in action.





Dockmate is the only wireless control currently on the market that features Frequency Hopping Spectrum System (FHSS), a two-way, five channel wireless technology that spreads the signal over rapidly changing frequencies to prevent interference from other radio transmitting devices (e.g., cellphones, walkie-talkies) and is difficult to intercept. It has a range of 150 feet.

This is a pretty cool gadget that's likely to prove popular for the larger boat owner and remove some of the stress from docking, but we tested one out on a 24-footer and came away impressed with being liberated from the helm while docking. A five-function Dockmate system (two engines, thruster, anchor, and horn) has a suggested retail price of \$6,800. [Dockmate.us](http://Dockmate.us)

ADVERTISEMENT

**NEW**



Introducing Techron® Marine Fuel System Treatment

TRY IT TODAY >





### Topics

technology

electronics

### Mark Corke

A marine surveyor, and holder of RYA Yachtmaster Ocean certification, Mark has built five boats himself — power and sail. He was senior editor of Sail magazine's hands-on "Boatworks" publication, worked for the BBC, written four DIY books, skippered two round-the-world yachts, and holds the Guinness World Record for the fastest there-and-back crossing of the English Channel, in a kayak! He and his wife live on their Grand Banks 32.

### BoatUS Magazine Is A Benefit Of BoatUS Membership

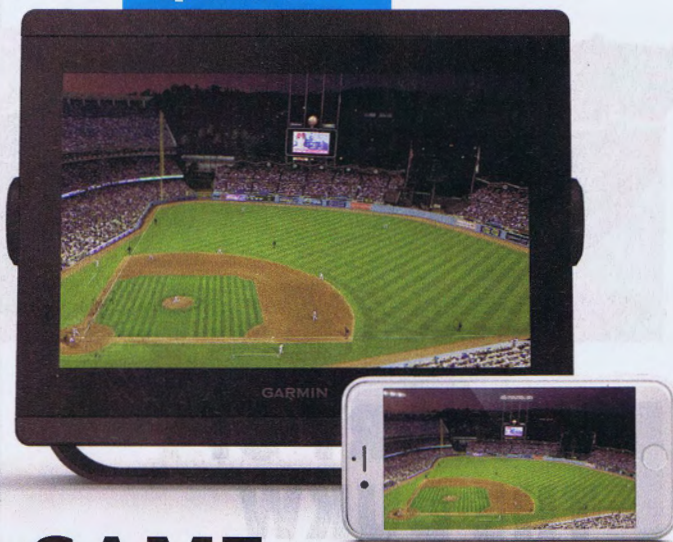
Membership Benefits Include:

- Subscription to the print version of BoatUS Magazine
- 4% back on purchases from West Marine stores or online at [WestMarine.com](http://WestMarine.com)
- Discounts on fuel, transient slips, repairs and more at over 1,200 businesses
- Deals on cruises, charters, car rentals, hotel stays and more...
- All for only \$24/year!

Join Today



By Jim Hendricks



## GAME ON!

As my buddy and I listened to a football game on the boat stereo last fall, it occurred to us that we might find a way to watch the game on my 12-inch multifunction display. The next day, I researched the details and discovered it's pretty simple to stream video to your MFD from a mobile phone.

A key is having an HDMI input port on your MFD — the same port found on the back of today's televisions and monitors. You'll find such ports on advanced displays from Garmin, Lowrance and Simrad. Furuno offers an HDMI input port on the black-box module for its TZTouch displays.

I was able to plug a 4-foot male-to-male HDMI cable into a Lowrance HDS-12 Live. But in order to connect the other end of the cable to my iPhone, I needed a special interface — a Lightning digital AV adapter (\$12.89, walmart.com).

This plugs into the little Lightning charging port at

the bottom of the iPhone. The female HDMI port connects to the end of the HDMI cable. The adapter also has a spare Lightning port so you can charge your iPhone while watching video. For Android devices, you can connect using a micro-USB male-to-HDMI female adapter (\$9.98, walmart.com).

The next step is to select the video window on the MFD (you might have to choose the HDMI input in the menu), then watch streaming video from your phone via apps such as YouTube. For live sports, you will need an app such as Fox Sports Go, and you might have to input your username and password for your TV provider to access the programming.

In my case, I stream the audio via Bluetooth through the boat's multispeaker stereo, but MFDs connected to the onboard sound systems can stream the audio without using the Bluetooth function.

All of this assumes you have stable cell service. Otherwise, you might have to access a satellite TV service, but that's another story.

Joysticks are ubiquitous, but wirelessly controlled joysticks are unicorns. Dockmate is one of two — and the most recently available — in the USA. The system connects in relatively simple fashion to your vessel, piggybacking (via the can bus) onto the electronic throttle, shift and steering, and bow and stern thrusters — putting them all in the palm of your hand.

In our recent test, we activated the controller and effortlessly powered forward (at up to 3,000 rpm) from the slip, pivoted to exit the tight quarters, returned to the slip, pivoted and backed in again, crab-walking

sideways to bring it up hard against the pier. And you can stand anywhere to use Dockmate, so your view is mostly unobstructed. For precise control, the installer can adjust the throttle and rate of steering settings to any level for any boat, for convenient, intuitive control.

The Bluetooth control system should prove safe too, thanks to a five-channel frequency-hopping transmitter and receiver, making it resistant to interference or interception. Once your vessel is positioned, tap the windlass control to drop anchor, or tap the joystick to sound the horn in celebration. —Randy Vance



## Ask KEN Q&A

### HOW CAN I PROTECT MY ELECTRONICS AGAINST THEFT?

Remove costly electronics and other items from the boat when not on board. DuraSafe's E-Locks (\$34.95, durasafelocks.com) can be used to safely secure electronics to their gimbal or yoke mounting brackets.

Mounting electronics inside a locked enclosure secures the equipment and keeps it out of sight.

Flush-mounted electronics are more difficult to remove. You can also use aircraft-type double nuts that take two people and more effort and time for thieves to unfasten, or use hardware that requires special tools to remove.

Security-alarm systems for boats can be the most effective theft deterrent. These can range from a simple door sensor and siren alarm to a more sophisticated system that calls your cellphone when an intrusion or other incident occurs.

Systems with live-video cameras can show you what is going on in and around your boat. Boat-alarm systems range from \$219 to more than \$9,000. Many boat-alarm systems qualify for an insurance discount of typically 10 percent. A list of boat-alarm systems and website links can be found at [boatingmag.com/askken](http://boatingmag.com/askken). —Ken Englert

### ASK KEN ONLINE

For more exclusive electronics content, visit [boatingmag.com/askken](http://boatingmag.com/askken).



## DOCKMATE WIRELESS JOYSTICK CONTROLS



**Give us a call!**  
(859) 885 - 5545  
thrusterman.com

**HydraNautics**  
We'll install thrusters on your boat in one day!

## Eyes On The Prize

PUBLISHED IN THE MAY 2019 ISSUE / MAY 2019 / MULTIMEDIA

SHARE

f FACEBOOK

NEWSLETTER

Are you ready to have the time of your life this summer? Of course you are! We here at *Houseboat* magazine searched high and low for products for your must-have list. Here are our top picks for safety, ease of use *and* for fun that you and your family are sure to enjoy!

### Dockmate Wireless Docking System



Dockmate offers an unparalleled number of accessories and, consequently, offers an unprecedented amount of customization for users. With an entire selection of remotes and compatible engines, thrusters, anchors, and horns, any houseboat user can easily operate the boat's controls from anywhere on board with an extension that fits in your pocket and has an enhanced range of 150 feet and a one-year battery life. The remote offers visual and audible confirmation to the user on the receiver's status. Each Dockmate system includes a rugged wireless, handheld transmitter with an easy-grip rubber finish, lanyard and wireless charger.

"Ideal for houseboats," Dockmate U.S. Spokesperson Brian Sheehan says. "Dockmate offers plug-and-play connectivity with common engine and thrusters controls to our wireless remote control system that allows the boater to remain in complete control of a boat's movement while away from the helm, where visibility is oftentimes very limited. This product relieves the stress from typical docking maneuvers in tight quarters and it opens up the possibility of docking a houseboat single handedly if ever necessary."

Also included is a plug-and-play receiver which is compatible with most brands of engines and thrusters. The Dockmate wireless remotes can either mimic a compatible accessory's response time and feel or be customized to meet the specific needs and preferences of individual boaters. Installers can make adjustments to the throttle to meet challenging docking conditions such as high winds or strong currents using the remote's included software. The Dockmate's wireless remote control system (starting at around \$6,800) is available in four models: Single, Twin, Twist 3-axis joystick with proportional control and Twist IPS for POD drives. ([www.dockmate.us](http://www.dockmate.us))

### FUSION ARX Wireless Remote Control

Download Latest Version Now



### 1 | Affordable New Boats - B1 From A Trusted Dealer

Get The Boat Of Your Dreams As Quickly As Possible. Call Yachting Solutions In Rockport [yachtingsolutions.com](http://yachtingsolutions.com)



### 2 | Auralex Sustain Metro Diffusor - 2...

**\$549.99**  
Studio Furniture & Acoustic Treatment - Wall-mounted Diffusion Panels If your mix... [Sweetwater.com](http://Sweetwater.com)



### 3 | Bahamas

Bareboat or Captained Charters  
Abaco Multihull Charters



### 4 | Kashkuli Gabbeh Blue 5x Area Rug

**\$103 \$258**  
Made in Turkey, this Kashkuli Gabbeh Collection rug is made of Polypropylene.... [eSaleRugs.com](http://eSaleRugs.com)





## Dockmate at Seawork International

Posted by Michelle Howard May 9, 2019



Photo courtesy of Dockmate

**Recently brought to the UK's shores, Dockmate is a future proof, wireless remote-control boat steering system that can be fitted in less than a day on any boat or yacht across the country from driveway to dry dock.**

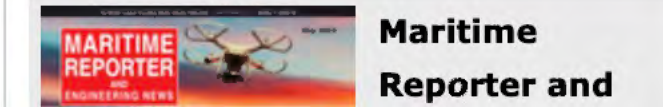
Designed to eliminate all the worry and uncertainty associated with docking, Dockmate has confirmed it will be exhibiting for the first time at this year's Seawork International - Quayside.

The team at Dockmate will demonstrate how its remote boat docking technology, with fingertip control, can facilitate a longer and more enjoyable life on the water, be used to steer a boat in a tight slip, negotiate challenging docking conditions and maneuver a boat single handedly, from anywhere on board with ease.

All boats with electronic engine control, regardless of the type or length of yacht, can be equipped with the Dockmate system which comes with a three-year warranty and full technical support. It ensures the wireless remote control of engines (to include boats with only one engine also, horn, bow thruster, stern thruster and one or two Anchor windlasses). Dockmate Twist also provides wireless joystick control for engines and thrusters including proportional thrusters and full function control of Volvo Penta IPS drives.

The transmitter, worn with a neck strap, has a signal which reaches up to 50 meters, is completely waterproof and floats.

In its most simple configuration, the transmitter sends a coded digital signal to the receiver which operates the gears and horn. The system can be modularly extended with a bow thruster, stern thruster and up to 2 windlasses. Dockmate requires installation and configuration to the vessel, works on both 12 and 24V boats as well as metal boats; and can be converted to work with engines that have mechanical push/pull cables. All handsets switch off after 30 minutes of non-use and have re-chargeable batteries and a USB cable for charging. In addition, the Twist handset has cordless inductive capability.





# MARITIME PROPULSION

Powering the Maritime Industry

News | Directory | Blogs

Niclas says:

"Connected systems will help ensure a protected engine"

[Learn more](#)



## Dockmate at Seawork International

Recently brought to the UK's shores, Dockmate is a future proof, wireless remote...

[Read more...](#)



## ABS Supports Ballast Water Compliance

American Bureau of Shipping (ABS), a global provider of classification and technical...

[Read more...](#)

World class support, anytime anywhere in the world



**ClassNK**



VTA is now Standard for



**SEA MACHINES**  
Marine Autonomy



**Modernize Your Fleet Today >>**

## News

**Danfoss Editron, LAVLE and Ockerman Sign MOU**

**Cox Powertrain: Seawork Demo Opportunity**

**Evinrude Named Official Engine Supplier of American Magic**

**Yacht Club de Monaco and Torqeedo Team Up**

**ARG Adapts Zinc-Free Engine Oil for Marine Use**



# MARITIME PROPULSION

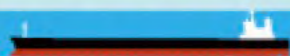
Powering the Maritime Industry

News | Directory | Blogs

World class support, anytime anywhere  
in the world



**ClassNK**



## New Shanghai Training Center for Alfa Laval

Recently, Alfa Laval inaugurated the Alfa Laval PureSOx Training Center in Shanghai, China.

[Read more...](#)



## Interview: Edmonds Brown, Cummins, Inc.

The May 2019 edition of Maritime Reporter & Engineering News features a eight-page...

[Read more...](#)



**Kahlenberg**

Marine Sound  
Signals



## MAN Releases First IMO Tier III Workboat Engine

551 to 1,213 kW engine power range now available; low-cost, SCR-only solution; technology...

[Read more...](#)

SAAB AT NOR-SHIPPING 2019 IN OSLO

## Securing positions.

Meet the future of AIS and maritime navigation.



Nor-  
Shipping  
2019

Visit us in Stand B03-31



**SAAB**

## News

**Wärtsilä to Power a Dozen COSL PSVs**

**Gibdock Converts Ferry to Run on LNG fuel**

**Norway Builds Drone Fleet for coastal "Sulfur Patrols"**

**IMO 2020: Total Lubmarine 'Road Show' in NYC**

**Dockmate at Seawork International**

**ABS Supports Ballast Water Compliance**

**VTa is now Standard for MAN 51/60DF Engine**



# MARITIME PROPULSION

Powering the Maritime Industry

News | Directory | Blogs

World class support, anytime anywhere  
in the world



**ClassNK**



## First MAN V12-2000 Delivered to AB Yachts

MAN Engines delivers its first MAN V12-2000 engine to AB Yachts, an Italian shipyard...

[Read more...](#)



## Seahawk Services Opens Singapore Ops

Seahawk Services is now offering marine fuel analysis and bunker quantity and investigation...

[Read more...](#)



## CYGNUS 2+ HANDS FREE ULTRASONIC THICKNESS GAUGE

- Accurate and simple to use
- Measures through coatings
- Accepted by Class Societies

[FIND OUT MORE](#)



## Marine Fuel Rules to



**SEA MACHINES**  
Marine Autonomy



**Modernize Your Fleet Today >>**

## News

### Topaz Installs FUELTRAX

### New Shanghai Training Center for Alfa Laval

### Interview: Edmonds Brown, Cummins, Inc.

### MAN Releases First IMO Tier III Workboat Engine

### MN100: The Best 100 firms in the Brown Water Sector





coastal “Sulfur Patrols”

IMO 2020: Total Lubmarine 'Road Show' in NYC

Dockmate at Seawork International



## Hamburg Police Receive New ProZero Boat

Tuco Marine Group closed a deal for new ProZero 8m Center Console Interceptor with...

[Read more...](#)



## Jan De Nul Launches Low Emission Vessel

Jan De Nul Group launched its fourth Ultra-Low Emission vessel last week in Singapore.

[Read more...](#)

Niclas says:

"Connected systems will help ensure a protected engine"

[Learn more](#)



## MAN Energy Solutions Signs Inks Service Pact

MAN Energy Solutions, Hong Kong has signed a service agreement with Pacific Basin...

[Read more...](#)



0

Like

Share

Tweet

Email

Posted by Michelle Howard May 9, 2019

## Dockmate at Seawork International

**Recently brought to the UK's shores, Dockmate is a future proof, wireless remote-control boat steering system that can be fitted in less than a day on any boat or yacht across the country from driveway to dry dock.**

Designed to eliminate all the worry and uncertainty associated with docking, Dockmate has confirmed it will be exhibiting for the first time at this year's Seawork International - Quayside.

The team at Dockmate will demonstrate how its remote boat docking technology, with fingertip control, can facilitate a longer and more enjoyable life on the water, be used to steer a boat in a tight slip, negotiate challenging docking conditions and maneuver a boat single handedly, from anywhere on board with ease.

All boats with electronic engine control, regardless of the type or length of yacht, can be equipped with the Dockmate system which comes with a three-year warranty and full technical support. It ensures the wireless remote control of engines (to include boats with only one engine also, horn, bow thruster, stern thruster and one or two Anchor windlasses). Dockmate Twist also provides wireless joystick control for engines and thrusters including proportional thrusters and full function control of Volvo Penta IPS drives.

The transmitter, worn with a neck strap, has a signal which reaches up to 50 meters, is completely waterproof and floats.

In its most simple configuration, the transmitter sends a coded digital signal to the receiver which operates the gears and horn. The system can be modularly extended with a bow thruster, stern thruster and up to 2 windlasses. Dockmate requires installation and configuration to the vessel, works on both 12 and 24V boats as well as metal boats; and can be converted to work with engines that have mechanical push/pull cables. All handsets switch off after 30 minutes of non-use and have re-chargeable batteries and a USB cable for charging. In addition, the Twist handset has cordless inductive capability.



Photo courtesy of Dockmate



### Police Say To Carry This

Police say everyone should carry this new safety device that protects against attackers

SafeguardPersonalAlarm

OPEN



### Franchises Under \$30,000

Search Top-Rated Franchises - Own Your Dream Business. Search Now!

BusinessBroker.net

OPEN

### Search Maritime Propulsion Jobs

#### Able Bodied Seaman (AB)

• Lake Michigan Carferry • Ludington, MI, USA

#### Cook Baker

• Military Sealift Command • Norfolk, VA,



# POWERBOAT

Magazine

GALEON  
460 FLY



*Innovation afloat*

## WEEKLY NEWS - 10 MAY 2019



### NZ's Premier Boat Show in great shape 64 years on!

The Hutchwilco New Zealand Boat Show, New Zealand's longest running, largest and most popular boat show is about to be held, in the same venue, for its 64th consecutive year!

[Read More](#)



Our latest magazine edition of  
**POWERBOAT** is out, get your copy  
in store or online





## DOCKMATE NOW ABLE TO INTERFACE WITH ULTRAFLEX

Dockmate, the wireless control system can now interface directly with popular Ultraflex electronic engine controls.

[Read More](#)



SERVICE FOR EVERY TYPE OF  
JET BOAT, JET UNIT, AND ENGINE



## LONGREEF YACHTS 60 SX DEBUT AT SCIBS



## DOCKMATE NOW ABLE TO INTERFACE WITH ULTRAFLEX



Barry 2019-05-10

Dockmate, the wireless control system can now interface directly with popular Ultraflex electronic engine controls.

The new CAN Bus interface, which directly connects the Dockmate system and Ultraflex electronic engine controls, enables complete, wireless, fingertip control over single or twin engines, gearboxes and throttle controls, bow and stern thrusters, anchor winches and even the ship's horn.

In addition, Dockmate's new wireless charging pad can wirelessly charge not only the handy Dockmate Twist remote but also later model Samsung and Apple phones.

Using "next generation," state of the art "fail safe" technology, Dockmate has a wide operating range. It can connect in three different ways: through analogue, digitally through CAN Bus technology or via the gearbox interface.

Dockmate is compatible with Volvo IPS and Zeus Pod systems and can also remotely control dynamic positioning functions.

Its modular design enables functions to be added at any time and Dockmate comes with a 3-year factory warranty.

There are four Dockmate wireless remote control systems: Single, Twin, Twist 3-axis joystick with proportional control and Twist IPS for Volvo Penta IPS or Zeus pods. All are now available through Lusty & Blundell.



We send Newsletters - Weekly.  
Get curated articles with only the best boat stuff.



First Name

Email Address

[SUBSCRIBE NOW](#)







## Passagemaker Magazine

@passagemakermag

Home

About

Photos

Events

Videos

Get E-Newsletter

Notes

Posts

Offers

Community

Create a Page

Like

Follow

Share



Sign Up

Send Message

### Posts



Passagemaker Magazine

Yesterday at 9:57 AM · 🌐

During Trawlerfest in Stuart, FL this year, we learned about the Dockmate remote controlled docking system.



Watch this video with your friends

Start Watch Party



Andrew Golden and 23 others

4 Shares

Like

Comment

Share



Passagemaker Magazine

May 23 at 2:58 PM · 🌐

Step aboard the latest Outer Reef Yachts 700 Classic Series Motoryacht, Rhapsody.



### Community

See All



Invite your friends to like this Page



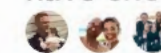
8,518 people like this



9,163 people follow this



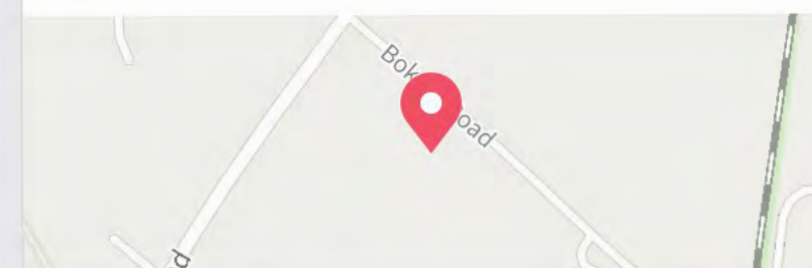
Rus Graham and 2 other friends like this or have checked in



11 check-ins

### About

See All



10 Bokum Rd (194.22 mi)  
Essex, Connecticut 06426

[Get Directions](#)



(860) 767-3200



[Send Message](#)



[www.passagemaker.com](http://www.passagemaker.com)



Magazine · Book & Magazine Distributor



Hours  
**Always Open**



[Suggest Edits](#)



Page Transparency

[See More](#)

Facebook is showing information to help you better understand the purpose of a Page. See actions taken by the people who manage and post content.



Page created - November 11, 2008

### Related Pages

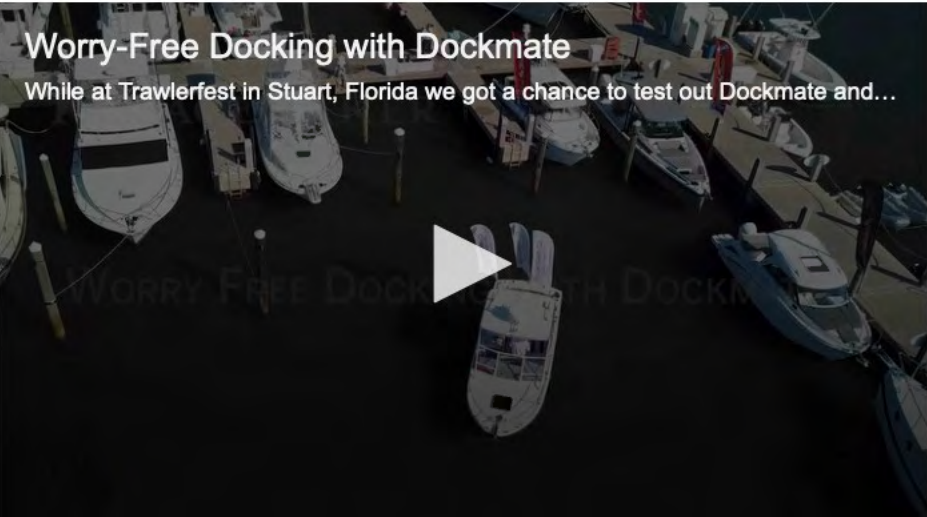


Power & Motoryacht ...





While at Trawlerfest in Stuart, Florida we got a chance to test out Dockmate and their "Docking Made Easy" remote docking system. With an intelligent design system and a simple remote, Editor in Chief, Andrew Parkinson, found docking in a stiff breeze to be a synch. Check out our video below.





## Tested: Dockmate Wireless Remote Docking

The Dockmate wireless remote allows the user to control engines, thrusters, windlasses and horn away from the helm.

BEN STEIN · MAY 22, 2019






### Dock Magic

**Our electronics editor didn't think he needed a Dockmate wireless remote—until he did.**

Many times I've wished I could step away from *Have Another Day's* helm and control the engines from a better vantage point, or from where I want to handle a line. Enter Dockmate, a device that lets you control your boat remotely.

Dockmate started distributing in the U.S. in 2018, but the company began selling systems worldwide in 2012. Several thousand have been installed to date. Their latest model is capable of controlling two engines, one or two windlasses, a bow and stern thruster and a horn. The package includes a receiver under the helm, which is connected to each of the items being controlled, and a wireless remote.





ADVENTURE AW **LEARN**






*The author can tend lines on the bow—and control the engines and thrusters—while his wife works the stern lines.*

This system has an array of options for integrating with engines, thrusters and windlasses to make the installation as simple and flexible as possible. On *Have Another Day* it controls my Volvo Penta QL bow and stern thrusters, twin Volvo Penta D12-EDC engines, horn and Maxwell 3500 windlass. According to the manufacturer, a five-function (two engines, thruster, anchor and horn) system with a twin remote will typically cost about \$7,500 installed. A six-function (two engines, two thrusters, anchor and horn) with a twist remote connected to CAN bus-controlled engines will run about \$12,500, but there is a litany of equipment-specific options that can influence pricing. It's best to get a quote from a Dockmate installer.

Ad

 PDF

PDF File Reader | Download Now

pdfmac.com

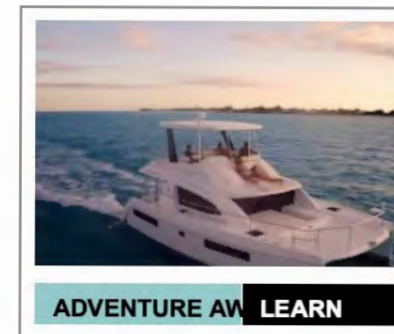
Download

Dockmate is designed to interface with electronically controlled engines. If you have mechanical engines with cable or hydraulic actuation of throttle and shift, Dockmate will refer you to Glendinning for a compatible mechanical-to-electronic retrofit. It also offers a transmission interface box to directly control transmission shift solenoids, thus bypassing proprietary engine control systems.

The receiver is a 9-inch-square box that mounts out of sight near one of the helms so that it can be connected to the various systems it will control. It contains a series of interface boards or relays to control each function. Critical ones like thruster and engine commands have double relays, both of which must close to engage the function. This safety mechanism avoids a stuck relay resulting in unintended actuation of an engine or thruster.

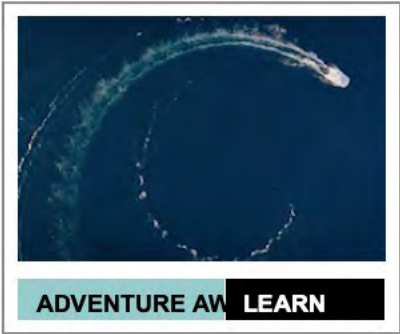
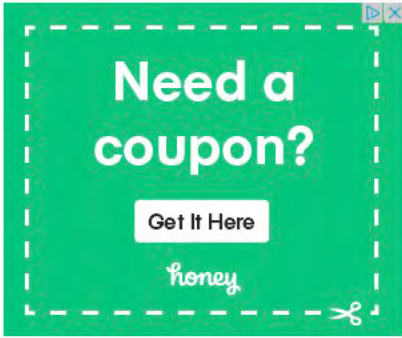


*The small Dockmate receiver mounts out of sight at the helm.*





In the event of any failure, out-of-range condition, dead batteries or other unexpected events, the system will return to neutral and the engine controls at the helm will be active. Either 12- or 24-volt power can be supplied to the receiver from two separate sources for further redundancy. The receiver has a series of LEDs on top of the enclosure that light up when a function is activated.



Dockmate offers two styles of remotes, one with membrane push buttons available for either single or twin engine installs—called the Dockmate Single and Dockmate Twin—or the Twist, which is a joystick-style remote for twin-engine and pod--driven boats. The Twist provides joystick control of the boat, so for example pushing forward and starboard will result in the boat moving in that direction while a twist of the remote’s stick will result in the boat twisting as well. All remotes are waterproof and float, though Dockmate also includes a neck lanyard to help you keep the remote from going overboard.

The Twist remotes have rechargeable batteries that are juiced up using a wireless charging pad; the Single and Twin remotes use alkaline batteries. The pad uses the Qi wireless charging standard, so I was pleased to find I could swap chargers with the Raymarine Ray90 wireless handset as well as charge a Samsung -Galaxy phone. The receiver and remote link wirelessly over an FM spread spectrum link utilizing five different 433mhz frequency channels at the same time to avoid interference, and in my testing that worked well.

Immediately after installation I walked the remote down the dock and tested the range using the horn. In a marina surrounded by homes and full of boats, I found range to be in excess of 300 feet, and in regular use I’ve never had a single control input fail to transmit and execute the command. Incidentally, if the remote does get out of range, it will beep when a button is pressed and the link light will blink to indicate a failure (something I only experienced when I walked hundreds of feet down the dock).



Easy to learn and operate remotes reduce the risk of fumbling.



Navigating your boat by remote control is a different experience than being at the helm. The Dockmate installer advised that it's best not to turn your body 180 degrees because it's difficult for your brain to handle the mismatch between the direction you push and the direction the boat moves. I'm not always good at listening to directions, so one of the first times I used the remote I found myself looking off the stern wanting to move away from the dock. I pushed the joystick away from the dock and of course—since I and the remote were facing the wrong way—the boat headed right for the dock.

I've had the system on board *Have Another Day* for a couple of months and have had the opportunity to use it while departing a slip, docking, anchoring and weighing anchor. We travel a lot and have worked out a good routine for each of these operations, so at first I wasn't sure how regularly I would use a remote. But I've found it to be a useful aid even in those circumstances where it's not an absolute must-have. When pulling out of a slip in high wind conditions, the ability to tend lines on the bow—and control the engines and thrusters—while my wife works lines at the stern is very helpful.

I also appreciate how I can stand at the bow while weighing anchor and carefully watch it come up while also keeping the bow in the right place. And when tightening lines it's helpful to be able to stand on the dock with the remote in hand and thrust the boat over. Finally, we could have set up the Dockmate to wirelessly control the tender crane, although mine is connected to the windlass.

I've also come to like how invisible the Dockmate installation is, with only a master power switch and the charging pad showing at the helm. I had wished for a helm display to duplicate the receiver's LEDs so that I could confirm received commands, but as I've used it more, I've gained more confidence that it will work.

Casual Sandals

Shop Now



50% OFF

Newchic

A Dockmate installer can customize nearly every aspect of the system's operation. Delays can be set for each function, throttle curves changed and for Twist systems, the propulsion components used for each maneuver can be highly tuned. For instance, *Have Another Day's* torquey motors and big props mean that I can pretty easily spin the boat on differential thrust alone. So I asked that the joystick's twist motion be set up to put one engine in forward and one in reverse while not using any actual thruster power. By contrast, I visited one of Dockmate's single-engine demo boats with bow and stern thrusters where the twist motion only uses the thrusters. The range of configuration options makes me think that Dockmate can be tweaked to handle nearly any type of propulsion.

I've always looked at remotes as something that might be nice to have, but that I was okay without. But now that I've had the Dockmate installed for a few months, I don't want to give it up. I am reminded of the value nearly every time we maneuver the boat. It may be a luxury, but it sure is a helpful and confidence-inspiring one.

0 Comments

Sort by Oldest



Add a comment...

Facebook Comments Plugin

This article originally appeared in the June 2019 issue of Power & Motoryacht magazine.

TAGS • DOCKING • DOCKMATE

BY BEN STEIN





are for use on diving bell and deck decompression chamber systems. They have an operating window of -40° to 60° C and working voltages of up to 500 V. They are ideal for applications in demanding seawater environments. Hydro Group plc.

### Rugged "Phablet"

Nautiz X6 is an ultrarugged phone-plus-tablet for industrial applications. It has dual cameras, an 8-core processor, the Android 8.0 operating system with the MaxGo Android software suite and an IP67 rating. Handheld Group.

### Ventilation Control System



P/T6 engine room ventilation controller automatically synchronizes intake and exhaust fans for optimal engine room airflow. It can interface with the ship's networked monitoring system, and additional screens are available for remote installation. Delta "T" Systems Inc.

### Nautical Chart Validation Tool

7Cs Analyzer Version 4.0 is based on S-100 ECDIS Kernel technology and can be used for both validation of S-57 and S-100/S-101 nautical chart products. It is compliant with edition 6.1 of S-58 ENC validation checks and capable of validating S-101 data sets. SevenCs GmbH.

### Ultra-Narrow Bandpass Filters

Thin-film, ultra-narrow bandpass filters optimize the performance of laser-based systems, ideal for use as laser line, laser cleanup or laser excitation filters. They can be customized for CWL at any wavelength from the UV to the mid IR and come in FWHM bandwidths as narrow as 0.1 nm. Alluxa.

### Wireless Docking System

Dockmate operates electronically controlled engines, bow and stern thrusters, anchor winches and

horns from anywhere on board with a handheld device. Available in four models: single, twin, twist three-axis joystick and twist IPS. Dockmate Inc.

### Electro Optical Testing Software



INFRATEST tests visible, NIR and IR cameras, ICCDs, goggles and laser rangefinders and can remotely monitor the temperature of black-body cooling fluid. It factors background temperature data into calculations of key functions. Electro Optical Industries.

### High-Power DC-DC Converters

A range of high-voltage input DC/DC converters for microgrid, data centers and industrial applications operate with an input voltage range of 180 to 425 V DC and deliver output power levels from 150 to 750 W, with a layout optimized for thermal conduction. Powerbox.

### Ultra-HD Bridge Display

An addition to the Series X MVD product line, the 43-in. display screen has 4K panel technology with 3,840×2,160-pixel HD display. Flexible inputs allow data display from navigation and automation systems. Hatteland Display AS.

### Unmanned Surface Vessel

APACHE 5 has an integrated single- or multibeam echosounder and collects and stores data from multiple sensors in real time. The system can be remotely controlled or autonomous and comes with digital radio and high-resolution wireless video. CHC Navigation Technology.

### Ship Design Software

The ShipConstructor R2.1 release allows users to manage welds and correct clashes globally, and work with multiple hulls. Lifting components and vectors can be added directly to model drawings. SSI. **ST**



enquiries@blueprintsubsea.com  
sound by design

## oculus

Multibeam Imaging Sonars  
Single and Dual Frequency Operation



## seatrac

Micro-USBL Tracking Beacons  
Bidirectional Acoustic Data Modems



## starfish

Portable Sidescan Sonars  
Towed, OEM, Hull and Pole Mounted



find out more  
www.blueprintsubsea.com





## MAXIMISE YOUR PRESENCE

Are you naming a vessel, launching a product, adding a new service? Seawork is just the place to do it.

To ensure you get your preferred slot in the Media Diary complete the Product Launch form or Demonstration Form in the Exhibitor Manual now. The earlier you let us know the more we can do to get your news out there.

From now, throughout the exhibition and beyond our news room produces stories on a daily basis for Seawork and its media partner Maritime Journal - in print, online, e-News and social media. To get your up to date news online now as part of the Seawork countdown contact [press@seawork.com](mailto:press@seawork.com)

## SALTWATER STONE TALK TECHNOLOGY

Specialist maritime communications agency Saltwater Stone has a long history of involvement with Seawork and is the official sponsor of the event's press office.

Saltwater Stone believes that Seawork 2019 is a huge opportunity for technology developers and suppliers. The company reports a significant growth in demand for knowledgeable and thought-provoking technical content.

Saul Trewern, Saltwater Stone's Director of PR, sees Seawork 2019 as a huge opportunity for technology developers and suppliers, "All areas of the maritime industry face new regulatory, environmental and economic challenges, making operational technology, digital transformation, smart shipping, autonomous vessels and Maritime 4.0 the hot topics of today."

## AUDIENCE & NETWORKS

Reach and influence commercial marine professionals

SEA  
WORK

**7,700+**

Seawork attendees from 70 countries

MARITIME JOURNAL  
INSIGHT FOR THE EUROPEAN  
COMMERCIAL MARINE BUSINESS

**22,800**

Average online unique visits to MJ every month

**33,150**

distributed Seawork Show News

**6,200**

Maritime Journal magazines printed

**30,300**

to Seawork eNews inboxes

**20,425**

to MJ eNews inboxes

## STRESS-FREE DOCKING SOLUTIONS

The team at Dockmate will be at this year's Seawork to demonstrate how the company's remote boat docking technology, with fingertip control, can be used to steer a boat in a tight slip, negotiate challenging docking conditions and manoeuvre a boat singlehandedly with ease.

Dockmate is confident that the product will appeal to marine distributors, suppliers, manufacturers and service providers.

All boats with electronic engine control, regardless of the type or length of vessel, can be equipped with the Dockmate system, which comes with a three-year warranty and full technical support. Dockmate Twist also provides wireless joystick control for engines and thrusters including proportional thrusters and full function control of Volvo Penta IPS drives.

The transmitter, worn with a neck strap, has a signal which reaches up to fifty metres, is completely waterproof and floats. In its most simple configuration, the transmitter sends a coded digital signal to the receiver which operates the gears and horn. The system can be modularly extended with a bow thruster, stern thruster and up to two windlasses.



## Live demos for Fischer Panda

Major supplier of the latest technology in air-conditioning systems, hybrid electric propulsion systems, integrated mobile power solutions and water makers, Fischer Panda UK will offer live demonstrations of its Lloyd's Type Approved generators and complete systems for the first time at this year's Seawork.

Celebrating its 25th anniversary year in 2019, Fischer Panda will introduce its upgraded display trailer to showcase a strengthened range of products for the commercial market, suitable for demanding applications including ROVs, disaster relief, offshore, workboat, fishing, tugs, military and light commercial vessels.

The new, customised Fischer Panda trailer offers the opportunity to learn about the market-leading range of generators, Village Marine water makers, Dometic air-conditioning systems, electric drive systems and battery management equipment in a more practical way. Specialists will also be available to discuss and advise on the most suitable and cost-effective options for specific vessels.

Fischer Panda UK's experienced engineers, sales and operational staff work with OEMs to develop integrated systems for custom vessels and offer specialist technical support and on-going aftercare to its customers.



◀ Tel: +44 1329 825335 | Email: [info@seawork.com](mailto:info@seawork.com) ▶



## Beyond the Basics

Dockmate's wireless remote system is helpful in surprising ways

BEN STEIN · MAY 30, 2019



*The author says navigating his boat by remote took some practice.*

*Ben Stein*

Many times, I've wished I could step away from the helm of my boat but still control the engines from a better vantage point, or from where I wanted to handle a line. I was, therefore, eager to try Dockmate's wireless remote system.

Dockmate has installed several thousand systems worldwide since 2012, but the brand just came to the United States in 2018. Its latest system can control two engines, one or two windlasses, a bow and stern thruster and a horn. A receiver is typically installed under the helm and then connected to each item, as well as to a wireless remote.

The system is designed to interface with electronically controlled engines. On my Carver, *Have Another Day*, Dockmate controls the Volvo Penta QL bow and stern thrusters, twin Volvo Penta D12 EDC engines, horn and Maxwell 3500 windlass. The receiver is about 9-by-9 inches and mounts out of sight near one of the helms.

### Switch gears and save on your next fill-up

A year of saving at the pump could be a phone call away. Learn how you save 25¢ per gallon at Irving Oil gas stations.

Sponsored by **Irving Energy** 



Critical functions such as thruster and engine commands have double relays, both of which must close to engage the function. This safety mechanism avoids a stuck relay and unintended actuation, such as thruster and engine commands. Also in the safety department: In the event of any failure, dead batteries or other unexpected event, the system is designed to return to neutral, with the engine controls at the helm active.



Dockmate offers two styles of remotes. The Twist is a joystick-style remote for twin-engine and pod-driven boats. The Dockmate Single or Dockmate Twin has membrane push buttons for single- or twin-engine installs. All the remotes are waterproof, float and include a neck lanyard.

Immediately after completing the system's installation, I walked the remote down the dock and using my boat's horn found its range is in excess of 300 feet. During two months of testing, I've never had a control input fail to transmit and execute a command.

Navigating my boat by remote control took a little practice. It's best not to turn your body 180 degrees because in your brain, the angle creates a mismatch between the direction you push the remote and the direction the boat moves.





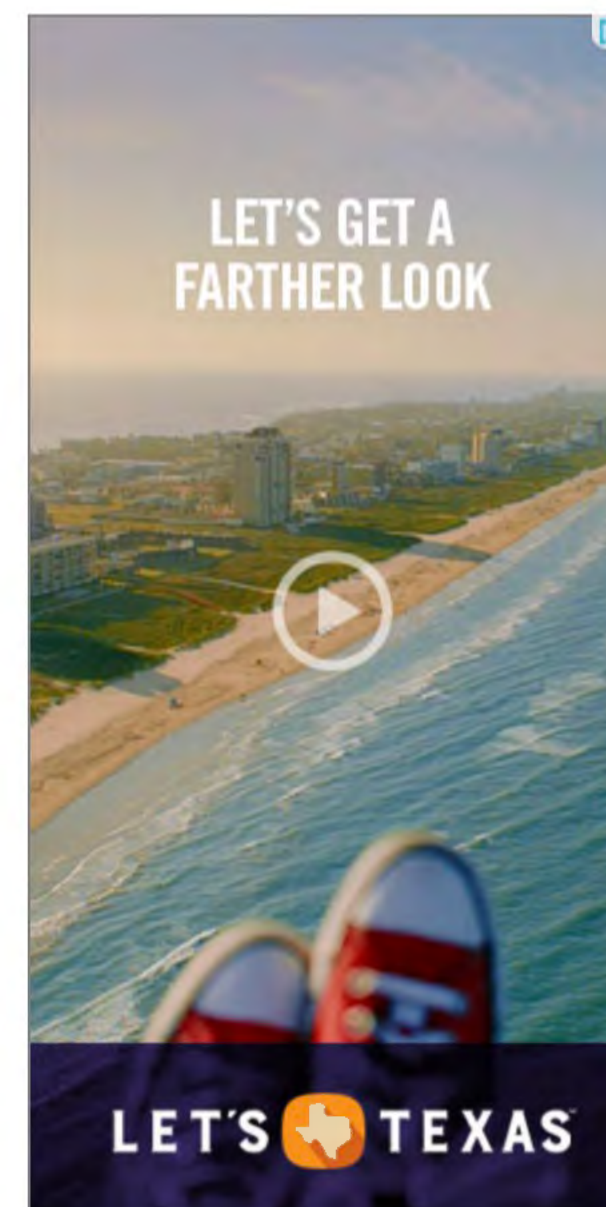
In general, while departing a slip, docking, anchoring and weighing anchor, I've found Dockmate to be a useful aid, even in circumstances where it's not an absolute must-have. When pulling out of a slip in high wind, the ability to tend lines on the bow —and control the engines and thrusters—while my wife works lines at the stern is helpful. I also appreciate how I can stand at the bow while weighing anchor and keep the bow in the right place. And when tightening lines, I can stand on the dock with the remote and thrust the boat over.



NOW PLAYING

< 1 of 22 > || 🔊 HD

Amazing Rescue of Orphaned Baby Bears Stuck in a Tree for Days



The Dockmate installation is virtually invisible, with only a master power switch and the charging pad showing at the helm. A Dockmate installer can customize nearly every aspect of the system's operation. My boat's torque motors and big props mean that I can pretty easily spin the boat on differential thrust alone, so I asked that the joystick's twist motion be set up to put one engine in forward and one in reverse while not using any actual thruster power. By contrast, a Dockmate single-engine demo boat has the twist motion use only the bow and stern thrusters.

Now that I've had the Dockmate on *Have Another Day* for a few months, I don't want to give up my loaner system. According to the manufacturer, a five-function (two engines, thruster, anchor and horn) system with a Twin remote costs about \$7,500 installed; a six-function (two engines, two thrusters, anchor and horn) setup with the Twist remote connected to CAN-bus-controlled engines runs about \$12,500. I'm reminded of the system's true value every time I maneuver my boat.

*This article originally appeared in the June 2019 issue.*



## Instrumentation

Standalone instruments are slowly migrating to higher-resolution, higher-contrast displays. Manufacturers face unique challenges here, because they must satisfy buyers in the retrofit market who demand lower costs.

However, as higher-fidelity screens become more affordable, expect more versatile instrument readouts to follow suit. Products like Yamaha's Command Link Plus CL7, which made its debut in 2017, has a single, high-quality touchscreen display that replaces multiple standard instrument gauges. NMEA 2000 and app integration are standard on the CL7, which joins MFDs from virtually every manufacturer that are already supporting digital instruments from Mercury, Suzuki, Honda and Volvo Penta.



## Mounts, Chargers, & More

It's difficult to find a modern boat without USB ports for mobile device charging, and the technology has taken a step forward by upping the amperage and reducing charge times. Waterproof USB sockets commonly retail from \$15 to \$50.

The world's most popular smartphones now come standard with wireless charging, and manufacturers of marine accessories have taken notice. Scanstrut's ROKK Wireless Surface Mount Phone Charger pairs IPX6 waterproofing with an ultra-grippy surface and a 12/24V Qi-certified charger that enables wireless charging in wet environments. Scanstrut bills the device — launched in May 2018 — as the world's first waterproof wireless charger.

Elsewhere in waterproofing, high-performance MFDs can have additional sealing through products like NavPod's PedestalPod. Designed to be fitted to the bow of a sportfishing boat, the swiveling, waterproof housing can accommodate MFDs up to 16 inches. And, Scanstrut's ROKK Mini has a quick-release system with multiple mounts to fit rails, gunwales or helms.

Significant advances have also been made in marine jump starters, where products like the Weego 22, 44 and 66 can boost large vessels or tow vehicles from battery packs that are not much larger than a smartphone or tablet, and that weigh just under 2 pounds. Lighter, lithium-based batteries are also finding their way into the marine market. These batteries charge faster than standard, acid-based batteries and can weigh around 70 percent less. Though marine batteries like those from Lithium Pros can cost up to \$2,000 per unit, decreased weight and charge time is making them a popular choice for serious boaters.

Dockmate's wireless remote control is another portable breakthrough that lets boaters operate electronically controlled engines, thrusters, anchor winches and horns from anywhere on the boat. The idea is to be able to dock confidently in the tightest quarters, but not necessarily at the helm. The system, available in four versions for different engine configurations, has a five-channel Frequency Hopping Spectrum System (FHSS) that spreads the signal over rapidly changing frequencies for uninterrupted transmissions. It's a smart, portable solution in this era of assisted docking.