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## FLIR SYSTEMS AND NAVIONICS COLLABORATE TO DELIVER DOCK-TO-DOCK AUTOROUTING AND SONARCHART LIVE

Latest LightHouse OS Update brings Powerful Navigation Features and Personal Chart Creation to Raymarine Multifunction Displays

WILSONVILLE, OR – May 19, 2016 – Raymarine®, a brand of FLIR Systems, and Navionics®, the leader in content and location-based services for the recreational boating and outdoor markets, have collaborated to make several new features available on Raymarine's LightHouse II based multifunction displays, including Navionics' award-winning Dock-to-dock Autorouting, SonarChart™ Live and Advanced Map Options.

A breakthrough in marine navigation, Navionics Dock-to-dock Autorouting creates intelligent, detailed routes through narrow passages and channels where they're needed most. Raymarine users can choose their start and end points, then can take advantage of Navionics' sophisticated algorithms which calculate a detailed route that takes into consideration chart data, navigation aids, and water depth.

“Navionics Dock-to-dock Autorouting is truly ground-breaking in its ability to plot a course through the maze of variables that one considers when route planning,” said Don Black, Senior Vice President of Global Sales and Marketing at Navionics. “We're excited to bring this incredible feature to even more boaters through our longstanding partnership with Raymarine.”

“Once again we are excited to deliver new technology and features to our multifunction display customers with our LightHouse operating system,” said Grégoire Outters, Vice President and General Manager of FLIR Maritime. “By adding support for Navionics Dock-to-dock Autorouting and SonarChart™ Live, we are delivering a simplified and information-rich navigation experience.”

SonarChart™ Live works with Raymarine multifunction displays, allowing boaters to create personal 1 ft/0.5 m HD bathymetry maps in real time. With SonarChart Live, Raymarine users can engage their sonar to survey new areas or places where bottom conditions may have changed, and then create new bathymetric charts that appear on their device instantly. In addition, Raymarine users can upload their sonar data automatically and download updated charts easily via the innovative Plotter Sync capability of Navionics Boating apps. Other Navionics users can also benefit from the newly surveyed areas as the data is integrated within Navionics’ SonarChart™ library and made available through Navionics’ daily chart updates program.

Engineered with anglers in mind, the new Advanced Map Options give Raymarine users the ability to customize their view of Navionics chart presentation by highlighting shallow areas, selecting a fishing range, and adjusting SonarChart™ contour density.

All the new Navionics functionality is available for Raymarine a, c, e, eS and gS Series MFD models produced after 2011, updated with Lighthouse II Release 17 software. Additional compatibility requirements are listed at [www.raymarine.com/lighthouse](http://www.raymarine.com/lighthouse) and [www.navionics.com/R17news](http://www.navionics.com/R17news).

## About FLIR Systems

FLIR Systems, Inc. is a world leader in the design, manufacture, and marketing of sensor systems that enhance perception and awareness. FLIR's advanced systems and components are used for a wide variety of thermal imaging, situational awareness, and security applications, including airborne and ground-based surveillance, condition monitoring, navigation, recreation, research and development, manufacturing process control, search and rescue, drug interdiction, transportation safety, border and maritime patrol, environmental monitoring, and chemical, biological, radiological, nuclear, and explosives (CBRNE) threat detection. For more information, visit FLIR's web site at [www.FLIR.com](http://www.FLIR.com).

## About Raymarine:

Raymarine, a world leader in marine electronics, develops and manufactures the most comprehensive range of electronic equipment for the recreational boating and light commercial marine markets. Designed for high performance and ease of use, the award-winning products are available through a global network of dealers and distributors.

The Raymarine product lines include radar, autopilots, GPS, instruments, fishfinders, communications, and integrated systems. Raymarine is a division of FLIR Systems, a world leader in thermal imaging. For more information about Raymarine please go to [www.raymarine.com](http://www.raymarine.com).

## About Navionics®

For more than 30 years, Navionics® has developed and manufactured electronic navigation charts and systems for marine, inland lakes and rivers, and outdoors use. Navionics, based in Viareggio, Italy, operates its US headquarters in Wareham, MA, and worldwide offices in the UK, India, Australia, Estonia and Russia