Raymarine announces New Autopilot and Engine Integration with Yanmar Propulsion System

New Evolution™ Drive-by-Wire autopilot control for Yanmar Joystick system plus simplified access to Yanmar engine data

June 11, 2014

Raymarine is pleased to announce that two of the company’s ground-breaking products are now compatible with selected Yanmar engine systems. Fully tested and certified by both parties, the Evolution™ DBW brings autopilot control to vessels equipped with Yanmar VC10 and JC10 (Joystick) Control Systems; connecting direct to provide unrivalled steering control of the Yanmar propulsion systems. The ECI-100 Universal Engine and Control Interface gives access, via Raymarine multifunction displays (MFDs), to Yanmar engine data.

Evolution™ autopilots perceive their environment and then instantly calculate and evolve steering commands to maximize performance. This breakthrough in autopilot intelligence uses Evolution AI™ control algorithms to give precise and confident course keeping, regardless of vessel speed or sea conditions. The easy-to-install Evolution™ DBW is supplied complete with the EV-2 9-axis sensor, p70R control head and cabling, and connects directly to the Yanmar control system. Once integrated into the system Yanmar owners can control the Evolution™ autopilot with the p70R or via touch screen using any Raymarine multifunction display powered by Raymarine’s LightHouse II user interface.

Bridging the gap between engine instrumentation, drive-by-wire propulsion systems, and Raymarine network navigation systems, the ECI-100 is an innovative device that collects and connects engine information to give the user simple and immediate access to engine performance data, fuel consumption and alarms via a full range of customizable information screens on Raymarine’s MFDs.

Raymarine’s ECI-100 makes engine and navigation integration an affordable reality for virtually any size boat. A space-limited vessel can access vital engine data alongside Raymarine’s
industry-leading radar, sonar and navigation technologies via a single touch screen display. Each data port on the ECI-100 is independently powered and isolated, ensuring reliable and worry-free performance from both navigation electronics and engine systems.

Raymarine is committed to delivering seamless integration with leading marine engines. ECI-100 engine compatibility is constantly updating. Please see www.raymarine.com for the most up-to-date list of compatible engines.

Connecting an ECI-100 to a compatible Yanmar engine system couldn’t be simpler. Depending on the type of engine, a single NMEA2000 (Devicenet) cable and NMEA2000 T-piece connector is all that is needed to link the ECI-100 to a Yanmar engine system; the NMEA2000 T-piece is inserted into the Yanmar system network with the NMEA 2000® (Devicenet) cable running from the T-piece direct to the NMEA 2000® (Devicenet) connector on the ECI-100, which is then connected to a Raymarine MFD.

Using the ECI-100 to connect to compatible Yanmar engine systems, the following engine data can be displayed on Raymarine’s latest generation of multifunction displays;

Engine Speed (RPM)

Engine Hours

Engine Oil Temperature

Engine Coolant Temperature

Engine Oil Pressure

Engine Coolant Pressure

Engine Fuel Delivery Pressure

Engine Fuel Rate

Engine Boost Pressure

Battery Voltage

Transmission Oil Pressure

Transmission Oil Temperature

Fuel Level

Engine Alarms
Over Temperature

Low Oil Pressure

Low Oil Level

Low System Voltage

Low Coolant Level

Water in Fuel

Fully tested and certified by both Yanmar and Raymarine, the **Evolution™ DBW** autopilot connects direct to the Yanmar VC10 and JC10 (Joystick) control system; a Yanmar autopilot cable and autopilot ID key, supplied by Yanmar, completes the network.

**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 FLIR Systems:**

Pioneers in all aspects of infrared technology, FLIR designs, manufactures, and supports thermal imaging systems and subsystems for industrial, scientific, government, commercial, and firefighting applications. With almost 50-years of history in infrared innovation, over 100,000 systems in use worldwide, and development centres and sales offices in over 60 countries, FLIR is the world leader in thermal imaging technology. Visit the company's website at [www.FLIR.com](http://www.FLIR.com).

For further information contact Fiona Pankhurst, +44 1329 246 734 or +44 7808 730132 or by email at fiona.pankhurst@raymarine.com. For high resolution images please go to [www.raymarine.com/media](http://www.raymarine.com/media)