

# Helm Master® Set Point™

**NEW**
**EFFECTIVE  
FEBRUARY 16, 2017**

## Helm Master® Integrated Boat Control System Offers Greater Control with Set Point™ and CL7™ Display



Yamaha's Helm Master integrated boat control system changed the way boaters think about controlling large outboard-powered boats. Helm Master made docking less stressful and fishing on the open water more enjoyable. It was revolutionary when introduced four years ago. Helm Master Set Point is the second revolution, offering even greater functionality and boating ease unparalleled in the industry.

### THE HELM MASTER SET POINT DIFFERENCE

Imagine integrating boat control systems and then adding the capability to guide them with global positioning system (GPS) navigation technology. That's what Set Point does. The result is a suite of satellite-guided capabilities designed to improve the boater's ability to fish, maneuver, and just enjoy life on the water. Set Point uses a unique dual-antenna GPS to provide Helm Master's operating system more navigational information, resulting in greater ability to provide precise control.

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# Helm Master® Set Point™

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## THE THREE MODES OF SET POINT

Set Point has three primary modes: Stay Point™, Fish Point™, and Drift Point™. Each Set Point mode provides a solution to the sometimes tricky maneuvering challenges boaters encounter every day. Here is how it works:

### STAY POINT™



## STAY POINT

Stay Point keeps the boat positioned near a particular spot; it maintains a selected position and heading.

### When is Stay Point helpful?

There are times when a boat must hold a position and heading, for example waiting to dock, in line at a fuel dock, or at a bridge opening. To engage Stay Point, the boater approaches a position, holds the heading and sets the throttle levers to neutral, enters Joystick Mode, then presses the Set Point control button on the Helm Master Joystick Control. Set Point marks position and heading, then uses Helm Master's independent outboard articulation and thrust to maintain that heading and that position within ten feet of the chosen point. In adverse weather or high currents, Helm Master uses higher RPM and greater engine activity to keep the boat as close to the mark as possible (within a seventy-five foot circle of the set point).

### FISH POINT™



## FISH POINT

Fish Point enhances fishing options; it maintains a selected position, but not a heading, and primarily uses only idle RPM to do so.

### When is Fish Point helpful?

The Fish Point mode makes use of a captain's knowledge in heading a boat into the current or wind, bow upstream or downstream, to maintain a heading. Under normal conditions, the Set Point function will use no more than idle RPM to hold the Fish Point position, which means Fish Point operation is less likely to scare the fish. In stronger seas, Fish Point will attempt to keep the boat on the point selected using no more than the requested Fish Point RPM to do so (2,500 RPM max.). Yamaha's Shift Dampener System™ propellers play a role in keeping the boat on point quietly, too.

### DRIFT POINT™



## DRIFT POINT

Drift Point allows the boater to drift the boat with the wind or the current; it maintains a selected heading, but not a position.

### When is Drift Point helpful?

Drift Point is particularly useful to maintain a heading when drift fishing or kite fishing. To engage Drift Point, the boater steers into the desired heading for the drift, sets the throttle levers to neutral, enters Joystick Mode, then presses the Set Point control button on the Helm Master Joystick Control. Drift Point allows the boat to drift with the wind or current, but stay pointed in the heading chosen.

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## NEW HELM MASTER SET POINT HARDWARE

Each Set Point mode is activated with the touch of a button. The Set Point control buttons are integrated into the new Helm Master joystick and use Yamaha's new CL7 touch screen display to initially configure the operator's preferences. Each of the Set Point functions are user defined for the needs of individual boaters. Helm Master Set Point hardware includes a dual-antenna GPS.

## THE NEW HELM MASTER JOYSTICK CONTROL

The new Helm Master Joystick Control works as before, but now incorporates one-button operation to engage the three new Set Point modes: Stay Point, Fish Point, and Drift Point.

The Helm Master Set Point function continues to use the now familiar Helm Master Digital Electronic Control, which serves as a throttle for up to four outboards and provides functions including:

- Speed Control
- Trim Assist
- Station Selector
- Single Lever
- Center Engine
- Free Throttle



## YAMAHA CL7 DISPLAY

The Yamaha CL7 display has a seven-inch touch panel screen with full multi-function display (MFD) capability and connectivity. It offers precise engine and boat systems data for up to four outboards on one screen, along with other MFD functions, such as maps, fish finder, and graphing capabilities. The display is offered in two models: one with detailed fresh and saltwater maps built-in, and the other with basic maps that are easily upgradeable. Both models include detailed fuel flow and other operator-defined functions.

It is the primary display for Yamaha's fully-integrated Helm Master boat control system and is the required point of access to Yamaha's new Set Point boat positioning function. It also features an internal gateway, allowing its displayed data to be output to other approved MFD brands and models currently on the market from manufacturers such as Garmin®, Furuno®, Simrad® and Lowrance®. The capabilities of this gateway are also available in a stand-alone unit to boaters using Yamaha's Command Link and Command Link Plus platforms.



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## AVAILABILITY AND RETROFITTING

The new Helm Master Set Point function will be available to authorized participating boat builders in May of 2017. It will also be available as a retrofit kit for earlier Helm Master-equipped boats later in the year.

### Helm Master Set Point Retrofit Kit Components to Include:

- Joystick (with new button)
- Software
- CL7 Display
- Twin GPS Antenna & Gateway
- SetPoint notification lights (2) and Gateway
- Wire Harness
- New PCU

Dealers and boat builders should contact their regional representative for more information.



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