

# HOT SHEET



EFFECTIVE NOVEMBER 1, 2009

## Command Link® Plus and Command Link Rigging<sup>▲</sup>



Yamaha is proud to announce the new Command Link Plus rigging system and components as well additions and changes to the Command Link line up. With more convenience, flexibility, and information than ever before, Command Link Plus and Command Link represent the absolute leading edge of Yamaha rigging technology. All with the level of innovation and reliability you've come to expect from Yamaha. Welcome aboard!

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▲ Consult appropriate Yamaha rigging information and Yamaha Rigging Sheet (YMBS) for complete rigging compatibility information and requirements for particular configurations. All rigging items sold separately.



# Command Link® Plus and Command Link Rigging

New

## Command Link® Plus Display<sup>▲</sup>

Boaters today want more information than ever before, and the new “Command Link Plus” display gives it to them.

Compatible only with Yamaha’s new Command Link Plus rigging system, it features a 5” full-color, high-resolution LCD display that can be configured to display multiple combinations of information and appearance based on operator preference both for the outboard(s) and critical systems on the boat.

This means the boat’s operator can, at a glance, easily and quickly view vital statistics. There’s even a special screen to set and monitor Yamaha’s Variable Trolling RPM mode.

*Information about power, is power.*

### SINGLE ENGINE COMBO SCREEN

Used in single-outboard applications, the selectable “combo” screen displays critical systems information, including: gear selected, engine RPM, boat speed, engine trim level, available fuel in gallons, fuel level (up to 4 tanks), fuel flow, fuel economy, and up to three vital engine functions that are user-selectable (i.e. oil pressure, water pressure and battery voltage) in an easy-to-read bar graph.



### TWIN ENGINE COMBO SCREEN



Command Link Plus displays can easily show much the same information for both engines simultaneously. In a twin-outboard configuration, the display can be configured to show fuel flow for each individual outboard and/or their total fuel flow, total fuel economy, and a choice of two engine functions for each outboard (i.e. water temperature and water pressure). For quad outboards, simply use two gauges.

### TRIPLE ENGINE COMBO SCREEN

Critical data from up to three Yamaha outboards can be read simultaneously on a single Command Link Plus display. In the combination configuration, the majority of information displayed on the single combo gauge appears, such as one engine function per outboard (i.e. battery voltage), combined and/or individual outboard fuel flow, as well as combined fuel economy.



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# Command Link® Plus and Command Link Rigging



## Command Link® Plus Display<sup>▲</sup>

### MENU SCREEN

Used to configure the screen appearance and the information displayed. Here is a simple chart to show the user-configurable main menu options.

- **SETTINGS** • Logs • Alarms • Alternate Screen Views
- **DISPLAY** • Brightness • Tone • Depth Alarm • Clock • Units of Measure • Initial Display Options • Calibration (Fuel Flow)
- **COLOR** • Favorites • Color • Mfg./Dir Set



### BOAT SCREEN



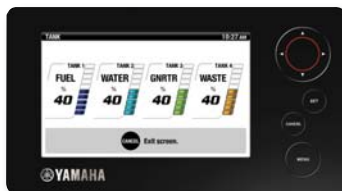
Want to know more about boat system statistics? A quick change of screens shows you available fuel, fuel level (up to 4 tanks), total fuel flow, fuel economy, and gallons used at a glance. It also shows trip distance, water depth, and water temperature at the surface.

### APPEARANCE AND COLOR OPTIONS

Yamaha Command Link Plus Displays give the user the opportunity to change the look of the screen. Choose between a digital or “analog” look, with a choice of background color and also the color of the characters. There’s a multitude of options, so you can change the look to best suit your individual preferences.



### TANK SCREEN



Today’s modern boats have any number of tanks, be they fuel, fresh water, waste, even generator fuel. With the Command Link Plus display, you can easily monitor the level of up to 4 of them (provided they each have a fluid-level sending unit), using both an easy-to-read bar graph and a percentage-of-full indication. The Menu screen permits the operator to choose how each tank is labeled, for quick and accurate reference.

### NIGHT SCREEN

All that information can only help you if you can see it, so Command Link Plus displays offer 5 levels of backlight to allow the operator visual flexibility for the conditions at hand. They can also be easily switched to a “night” mode, which changes the background and display colors, for easy viewing when the sun goes down. In applications where more than one display is used, all display light levels and those on the Command Link Plus Remote Control can be “synched”, so that changing one changes them all.



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# Command Link® Plus and Command Link Rigging

New

## Command Link® Plus Digital Electronic Controls<sup>▲</sup>

Yamaha's line of Command Link Plus Digital Electronic Controls are required for all new V6 Offshore outboard models, as well as the new F350 with Command Link Plus compatibility. With the same mounting dimensions as Command Link controls, they all offer virtually effortless throttle and shift functions, highly-polished chrome handles, and a built-in redundancy system for added reliability. Like all Command Link DECs, a separate Electronic Control Unit (ECU) is included for each outboard – a huge advantage over some competitive models – and thanks to 'plug-and-play' convenience adding a second station control is a breeze. Additionally, all multiple engine Command Link DECs feature automatic engine RPM synchronization.\*

### QUAD-ENGINE DEC

Yamaha's Command Link Plus system now offers a quad-engine control. Using only two handles, it allows the operator precise control of 4 compatible Yamaha outboards. An external trim switch panel allows the operator to precisely trim individual outboards and a master trim switch is located on the port handle.

\*Quad-engine Command Link Plus Digital Electronic Controls automatically synchronize the port-side engines as a pair, and the starboard-side engines as a pair, but do not automatically synchronize the pairs. This is easily performed manually by appropriate positioning of the throttle handles.



### TRIPLE-ENGINE DEC



The smooth and precise benefits of Command Link Plus Digital Electronic Control is offered for triple-engine configurations, too. Also utilizing only two handles, a user-operated selector switch allows the operator to customize which engines provide forward thrust (port throttle lever controls both the port and center engines via the selector switch), while only the two outer-most engines provide reverse thrust for better boat control and handling. Individual engine trim switches are provided directly on the control, and a master trim switch is located on the port handle.

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# Command Link® Plus and Command Link Rigging



## Command Link® Plus Digital Electronic Controls<sup>▲</sup>

### TWIN-ENGINE DEC



Twin-engine operators need comfort and precise control, too, and the new Command Link Plus DEC gives them that, and more. Smooth shifting, virtually effortless throttling, user-adjustable throttle friction, automatic engine synchronization, individual and master trim switches...everything that's in all Yamaha Command Link Digital Electronic Controls.

### SINGLE-ENGINE DEC

Single engine operators have a choice of Command Link Digital Electronic Controls: premium binnacle mount or a flush side-mount style. Either style provides the same great benefits and flexibility for convenient use in a variety of boat styles and applications.



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# Command Link® Plus and Command Link Rigging



## Command Link® Plus Key Switches and Panels<sup>▲</sup>

### KEY PANELS

Yamaha's new Command Link Plus key panels offer the latest in technology and durability, with a new ergonomic key design and new functionality. Excepting the single engine ignition switch, these are "key" panels; which can energize the ignition system of multiple outboards with only one key. For quad applications, individual key switches are all keyed alike, for maximum operator convenience.



➤ Main Key



➤ Main Key Switch Panel for Single



➤ Main Key Panel for Twin and Triple



➤ Main Key Switch Panels for Quad

### START/STOP PANELS



➤ "All Start" Panel for Twin and Triple



➤ Start/Stop Panel for Single (2nd Station)



➤ Start/Stop Panels for Quad (2nd Station)



➤ Start/Stop Panel for Twin (Main or 2nd Station)



➤ Start/Stop Panel for Triple (Main or 2nd Station)

The appropriate start/stop panel is used in conjunction with the correct key panel for the application, and they feature lights which indicate when outboards are running. They greatly simplify the starting and stopping process of the outboards. There's even an "All Engine" start/stop button, which allows multiple engines to be started successively (to prevent high amperage draw on the starting battery) or stopped simultaneously with the touch of a single button. For convenience and protection, engines can **not** be started while running.

### SECOND STATION PANELS AND LANYARDS

The 'plug-and-play' nature of Command Link Plus allows for easy addition of a second station and the components needed to run them. From station selector panels to lanyards, this new technology means maximum convenience in a minimum of space.



➤ Station Selector Panel for Single/Twin/Triple/Quad



➤ Lanyard Switch Panel for Single/Twin/Triple



➤ Lanyard Switch Panels for Quad (Main or 2nd Station)

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# Command Link® Plus and Command Link Rigging



## Command Link® Hardware and Capabilities<sup>▲</sup>

**NOTE:** Items on this page are optional and available for either Command Link or Command Link Plus rigging systems.

### GATEWAY

Yamaha's Gateways allow certain engine and boat data to be displayed on NMEA-2000® compatible displays that are external to the Yamaha system. Two models are available, one for Command Link Plus and one for Command Link.



### MULTISENSOR (TRIDUCER®)



Using cutting edge technology, the optional Multisensor (Triducer®) reads boat speed over water, water depth, and surface water temperature simultaneously. Readouts are displayed on either the Command Link Plus display or Command Link, or through external NMEA-2000® compatible displays if equipped with the appropriate Yamaha Gateway.

### ANALOG GAUGE INTERFACE (AGI)

The Analog Gauge Interface, or AGI, allows Command Link Plus or Command Link-equipped boats to display selected engine and boat performance data on analog gauges, be they Yamaha or those of most aftermarket manufacturers. Two models are available, one for Command Link Plus and one for Command Link.



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