

JETMASTER ELECTRONIC CONTROLS

FOR CSU, DRB, X-SERIES, AND ULTRAJET WATERJETS



AB 100
Featuring MJP JetMaster 3
Electronic Control System

JETMASTER 3 CONTROL SYSTEM

NEXT-GEN LINE OF PRECISION CONTROLS

At MJP we do everything we can to deliver ultimate performance to the captain. That's why we have engineered our line-up of Jetmaster 3 Controls to give you total command at full throttle or hairline precision while maneuvering in the harbor.

Extreme engineering and testing make our controls the most capable on the market. Our endless combination of features and controls, ease of use, and intuitive movements will give you complete mastery of your vessel even in the harshest conditions.

OPTIONS

- Unlimited station configurations
- Drive up to 4 waterjets
- Redundancy and backup systems available for compliance with full class rules
- Optional control heads available
- Classification approval
- Back-up systems and redundancy
- Remote stations, fly bridge, bridge wings, portables

SOFTWARE OPTIONS FOR JETMASTER 3 CONTROLS



DYNAMIC POSITIONING
MJP's DP0 system provides GPS positioning control to stay on spot, hold heading and virtual anchoring.



3RD PARTY DYNAMIC POSITIONING
MJP's JetMaster 3 software communicates with most 3rd party dynamic positioning systems.



UNMANNED / AUTONOMOUS MODE
Provides straightforward and secure integration over ethernet to allow the JM3 system to be remotely controlled.



3RD PARTY BRIDGE INTEGRATION
A safe, secure, and firewalled method for 3rd party bridge systems to access and display waterjet data.



INTERCEPTOR INTEGRATION
Control your vessels interceptors, rudders, and/or fins. Both coordinated turn and steering assist modes.



VECTOR CONTROL SYSTEM
Gain precision control of harbor maneuvers and low speed positioning at sea. Idle RPM speed can easily be adjusted to increase responsiveness.



FISHING MODE
Troll, stop, accelerate, spin, and reverse the vessel with ease. Avoid water turbulence or entanglements of lines.



FIRE-FIGHTING MODE
Allows safe and convenient operation of fire-pumps connected to propulsion engines. Depending upon the vessel configuration, this allows engines to be shared between fire-fighting and propulsion.

OTHER SOFTWARE OPTIONS:

- Bow thruster integration
- Auto pilot interface
- Hybrid / Electric integration
- Voyage Data Recorder output integration
- Virtual Anchor
- Stay on spot
- Hold heading
- Stay on Spot and hold heading

MJP CONTROL SYSTEMS MJP OFFERS THREE CONTROL HEAD OPTIONS

MJP offers three standard steering logic configurations to achieve optimal performance of your waterjet equipped vessel based on operator experience and personal preference. These three steering logics can make the boat maneuver according to the attached boat drawings.



COMBINATOR STEERING

For DRB, X-Series, and UltraJet

Thrust is controlled by two levers on one combinator providing ahead and astern thrust for port and starboard jets. Steering is controlled with steering device of your choice, wheel, tiller, or knob. An optional joystick may be added for slow speed and harbor maneuvering.

For operators that prefer separate controls for bucket and RPM control, a second control lever may be added.



AZIMUTH

For CSU

Best option for vessels with two or more jets for precession steering, bucket movement, and RPM control.

Includes two Azimuth control heads, one for port and one for starboard control. Each can control 2 waterjets.

Includes a touch screen display and a steering wheel, steering tiller. A command panel and/or joystick can be added on.



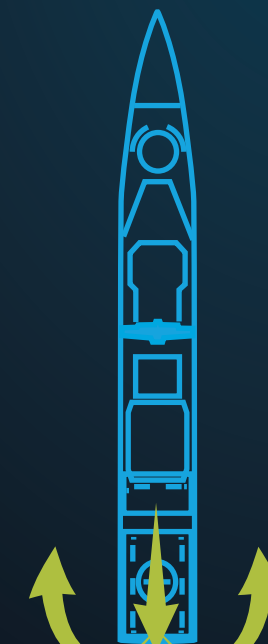
THRUST VECTOR HANDLER

CSU or DRB

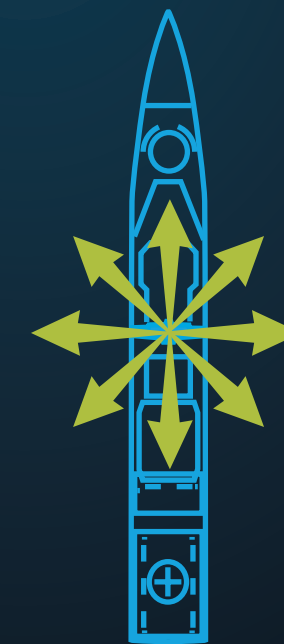
Operated with a steering tiller and thrust vector handler. This steering logic works by computer calculations of vectors to make desired movements in two different modes: slow speed maneuvering and underway operations. The steering tiller controls steering when underway and rotation during slow speed maneuvering.



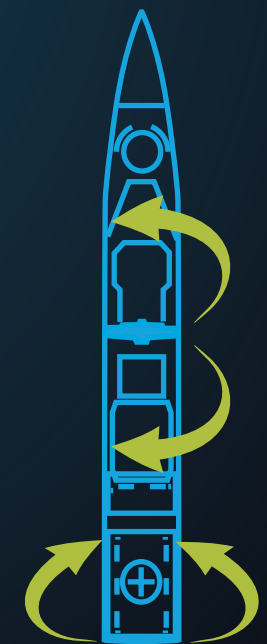
UNDERWAY OPERATION



CRASH STOP



SLOW SPEED POSITIONING



SLOW SPEED TURNING

MJP CONTROL PRODUCTS



COMBINATOR THROTTLE

Single or twin lever for forward and reverse thrust with engine RPM and optional clutch integration.



JOYSTICK

Full and true vector control in harbor or at slow speed, close quarter maneuvering.



STEERING WHEEL

Port and starboard steering with optional tiller steer. Alternative steering and seat mounted devices are available.



TOUCH SCREEN DISPLAY

7" touch screen display for waterjet control and diagnostics.



COMMAND PANEL

Digital control panel with fully customizable button functions. Clutch control and autopilot available.



AZIMUTH

Operates in Separate or Common mode, with Autopilot. Each Azimuth lever controls one dedicated jet. For CSU only.

OTHER CONTROL OFFERINGS

JETMASTER 1 CONTROL SYSTEM

ELECTRONIC CONTROL SYSTEM FOR BASIC OPERATIONS

Electronic Controls for basic operations. Contact your MJP sales rep for more info about JetMaster 1 systems.

HYDROMECHANICAL CONTROLS

COMPATIBLE WITH X-SERIES* AND ULTRAJET

*280,310 and 350 X-Series only

The hydromechanical control system is a basic push/pull cable system from the helm controlling steering, forward and reverse operations.

MJP IS THE WORLD LEADER IN WATERJET PROPULSION, BUILT AS

A FORCE TO TRUST.

SO YOUR ONLY LIMITATION IS HOW HARD YOU HIT THE THROTTLE.

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