

Scope of Supply

Blue Arrow utilises a Digital Microprocessor system communicating using a dedicated protocol CANbus network. It employs a PC-based configuration process for system setup, tuning, diagnostics and online ship registration at commissioning. Two independent power sources are required for system redundancy (24V preferred but 12V accepted)

Station Control Panel (SCP)

- Provides a simple, intuitive user interface for the Blue Arrow electronic control system
- Back-lit LCD screen displays a wide range of system status information, and includes comprehensive feedback and alarms.
- One panel per station
- Integrates both backup and normal controls (jogstick control in back-up mode)
- Integrated autopilot interface
- Comprehensive messages and alarm icons plus an alarm sounder
- Language option chosen at installation



Control Input Devices (CIDs)

Specifically designed for Blue Arrow, these CIDs provide the most user-friendly and intuitive features available...

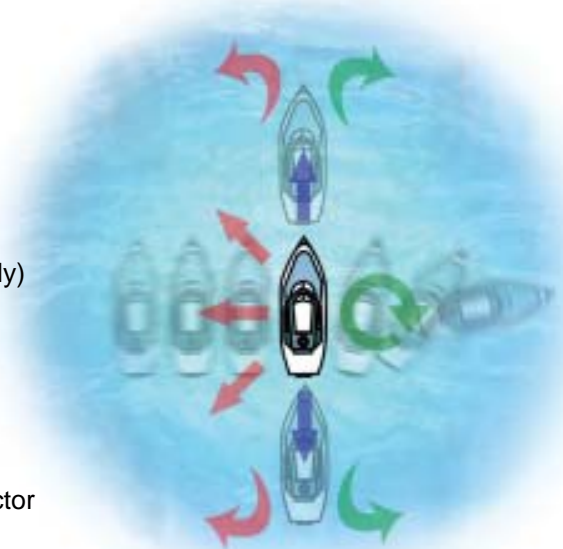
- Intelligent "plug & play" devices
- Pre-calibrated at factory
- Integrated styling between devices
- Environmentally sealed for internal or external mounting

Helm Unit

- Controls vessel heading
- Accepts ¾" taper bore steering wheel (additional to standard scope of supply)

Cruise Lever

- Single lever to control astern deflectors and engine throttles for both single and twin waterjet/engine installations
- Lever movement around the central "zero-speed" position raises and lowers the astern deflector without altering engine throttle. Once the astern deflector is fully raised or lowered, further movement of the Cruise Lever increases engine throttle



Manoeuvring Controller

- A multi-axis device to simplify and improve control of the vessel during low speed and docking manoeuvres

Jet Interface Module (JIM)

- Fully integrated to the waterjet
- Monitors oil status in hydraulic system
- Backup circuit

Engine Interface Module (EIM)

- Controls engine & gearbox (if used)
- Available to suit wide variety of electronic throttle demand signals (optional manual throttle actuator control)
- Configured for a specific engine pre-delivery

Scope of Supply

- **Single or twin Blue Arrow waterjet/s** – includes integrated hydraulics, intake block and installation kit.
- **Jet Interface Module/s (JIM)** – one mounted on each jet unit
- **Engine Interface Module/s (EIM)** – one to be mounted near each engine. Includes interface for gearbox control.
- **Pre-terminated Cables** – variety of lengths available
- **Station Control Panel (SCP)** – one to be fitted at each helm station
- **Control Input Devices (CIDs)** – a set is attached to each SCP
- **Alarm Sounder**

Not Included in Standard Scope of Supply...

- Manual Throttle Actuator (if required)
- Helm wheel
- Batteries & charging system
- Power boost module (required for 12V systems only)

