

Pilot (portable) Control Console

Features:

- Waterproof for outdoor/indoor use
- Chest plate with adjustable belts length
- 2x no-deadband precision analog joysticks with mnemonic action diagrams
- Easy to operate in the dark
- Console power on/off switch with indicator
- 2x Independent joystick power on/off switches with indicator
- Commands sent indicators, commands accepted indicators
- 11x momentary switches to send commands over serial onto control computer



Console top view

Power supply features:

- Input voltage range: +18 ÷ 75 VDC
- Power: 300 mA @ 24VDC
- Overload protection: inbuilt, 150%
- I/O isolation: inbuilt 1500 VDC
- Short circuit protection: inbuilt, automatic recovery

Console Data Interface: RS-232 (3 wire), RS-485 (4 wire), option - Ethernet 100Base-T (2x TP), Wireless

Console Data protocol: RS-232, 38400/8/n/1, ASCII output (as per DMX controller spec.)

Main connector: Impulse MCBH-6M-SS
 Console cable length: RS-232 (30 m)
 Console dimensions, LxWxH mm: 285 x 195 x 120 (393 with chest plate)
 Operating temperature: -30 ÷ +75 °C
 Weight: ~4kg

Application area:

- "Belly pack" for AUV on-surface control (launch and recovery operations) and LARS operations
- Light Work class / observation ROV pilot console (OEM)
- Second (remote portable) operator's console
- ASV, UAV/drones flight control
- Part of DIY ASV / ROV

Console's control elements features:

Joystic left: 2x axis (X, Y) 2x push buttons

Joystic right: 3x axis (X, Y, Z)

3x Power switches: with ring LED indicators: red indicator is for main power switch, green – for left and right joystics

11x Momentary switches: with ring LED indicator (green and blue), accepted command LED indicators (green)

Note:

Main connector, buttons and joysticks functionality and size, front panel color, data interface, console autonomy can be modified in agreement with client

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