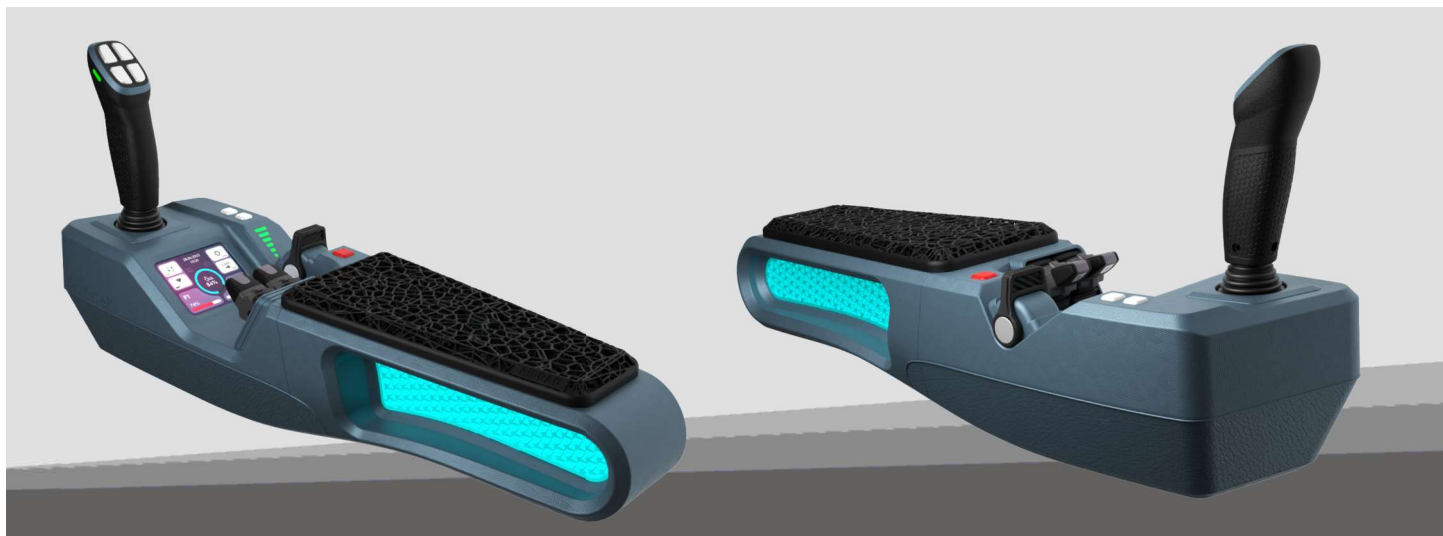


# Armrests

individual control-units for mobile machines

# IBL·HYDRONIC

... the solution provider



## CUSTOMIZED CONTROL UNITS

### ergonomic · functional · individual

Our custom armrests for mobile work machines are equipped with individually designed joysticks that provide personalized comfort and control. These ergonomically designed armrests offer an application-specific fit to ensure operator comfort. The joysticks are intuitive and adjustable to meet specific application requirements. Our armrests are designed for use in vehicle onboard electrical systems, making them suitable for various mobile work machines. They are seamlessly integrated into the machine's CAN-bus network to enable efficient communication. With their attractive appearance, our armrests enhance the overall aesthetic impact of the machine.

### CONFIGURATION

- 12 und 24V voltage supply
- Analog and digital controlswitches
- Ambience- and functional lighting
- CAN-bus
- includes touch panels

### EXAMPLE

control-unit for municle truck including touch panel and handy holder.

### APPLICATIONS

- agricultural machines and tractors
- municle machinery
- construction machines
- cranes
- specialized machines

### BENEFITS

- free creation of the design and color scheme
- ergonomic, individual design and function
- high recognition value
- customized modular system for options
- suitable for small and medium series, no tooling costs
- professional system solution



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## DESIGN OF CONTROL UNITS

By implementing these measures, the performance of your control consoles is significantly enhanced, making them more efficient, user-friendly, and safer.

### Ergonomic Design

We ensure that the control console and graphic interface are ergonomically designed to ensure usability and comfort. The control elements are positioned for easy access and natural hand positioning.

### Intuitive control

We simplify the controls by using clear and easily understandable labels and graphics. Well-visible and easily comprehensible symbols and color coding make the operation intuitive.

### Sensitive Control elements

High-quality and responsive buttons, switches, or touch screens ensure precise control. The control elements are robust and weather-resistant to withstand the demands of rugged operations.

### Display and feedback

A readable display provides the operator with real-time information. Parameters such as speed, torque, operating mode, battery level, and other important operational data and settings are displayed.

### Custom settings

We offer the ability to customize certain settings to meet the individual needs of an operator and save them. This may include adjusting the sensitivity of the control elements, selecting driving or operating modes, or saving preferred settings.

### Safety features

Safety functions such as emergency stop switches and locks are integrated to prevent unintended actions and ensure the operator's safety.

### User-friendly manual

We provide a clear and understandable manual that guides the operator on how to properly use the graphic interface and control console.

### Maintenance friendliness

The control console and graphic interface are modularly designed for easy maintenance and repair work.



## TECHNICAL PROPERTIES

### Electrical connection

power supply 12/24 VDC (9 to 32 VDC)  
resettable fuse  
load dump protection, suitable for vehicular electrical systems,  
voltage internally monitored

### Housing

additively produced Pa12, ip50 to ip65,  
installation housing with 1" RAM-mounts,  
panel mounting, customized design

### Connection

M12 8-pin connector

- 1: vdd
- 2: enable
- 3: 0V
- 4: CAN1 low
- 5: CAN1 high
- 6: CAN2 low
- 7: CAN2 high
- 8: distance pulse 12/24 VDC



### Ambient temperature

-20° C ... +70° C (storage -30°C...+80°C),  
non condensng

### Mechanical strength

Vibrations DIN IEC 68-2-6/mobile devices  
Continuous shock DIN IEC 68-2- 29/Eb 250-  
6-1000/1 (25g)

### EMC-Norms

agricultural machines DIN EN ISO 14982:  
2009  
construction machines DIN EN 13766-1/2:  
2018-12  
interferences on the line ISO 7637: 2009  
load dump ISO 16750-2: 2012-11-01

### Data interfaces

2xCAN-Network, USB-OTG