

Monitoring and Control Systems



# Cabin Control System

for Recreational Vessels





All images on pages 1, 2 and 3 courtesy of Monte Carlo Yachts S.p.A.

## Cabin Controls

Böning expands your control options on board. In addition to machinery-focused controls and monitoring, comfort features are now added to the range. From now on you can control many comfort features on board via Böning technology. We provide you with all new options for light switches and multifunctional displays with highly customizable software. All control devices are connected to the shipwide monitoring and control bus. Shipwide control from a central location for all lights, air conditioning units and window blinds is just the first of immediate benefits.

Inside each cabin, the guest profits from customized controls tailored to the specifics of the cabin. All controls are labelled accordingly and therefore facilitate operation. No more guessing what switch turns on what light.

Additionally, all cabin functions can be controlled via iOS devices so the guest can use her smartphone instead of the conventional methods.

### Features at a glance

- ✚ Lighting controls
- ✚ Air conditioning
- ✚ Open / close window blinds
- ✚ Basic A/V controls
- ✚ Easily expandable
- ✚ Cabin controllers embedded in monitoring and control system
- ✚ Integration of nearly every third party system
- ✚ Integrates all control functionalities in a single device



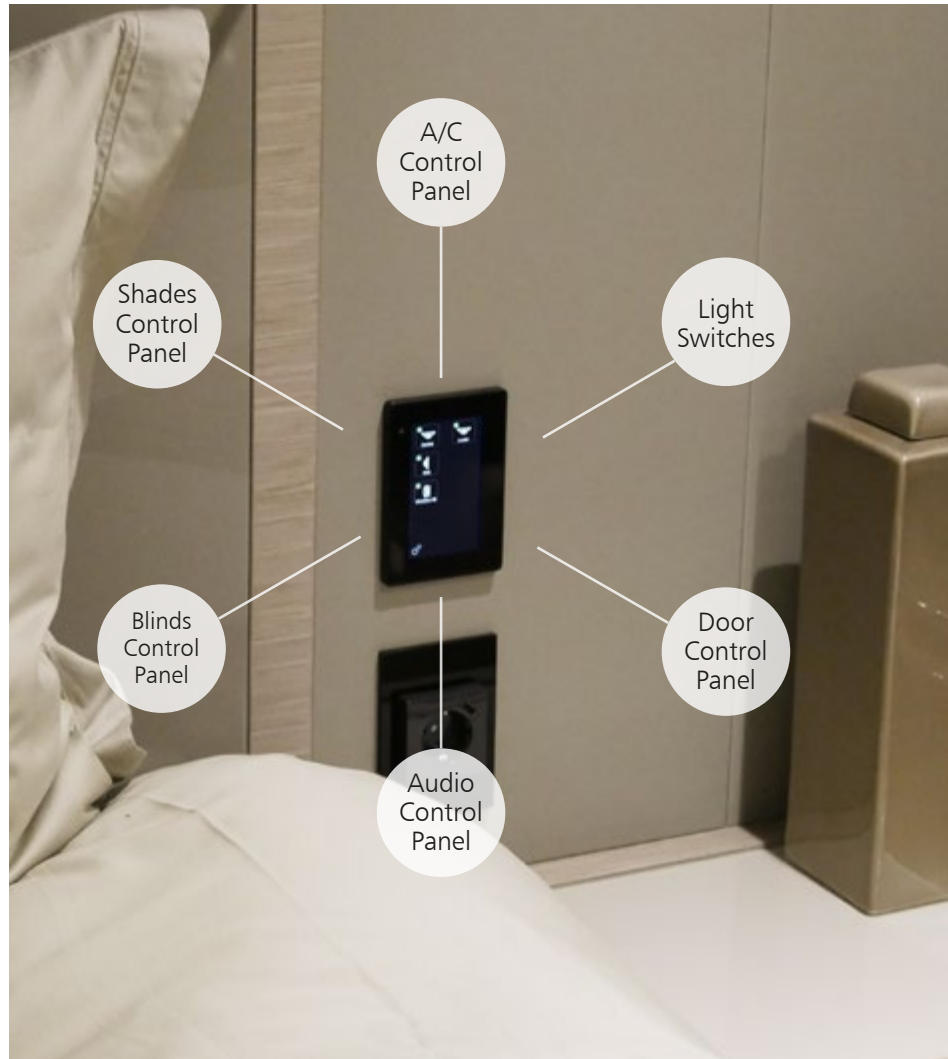


## AHD 430

### 4.3" Multifunctional Touchscreen Display

Multifunctional touchscreen controller for a wide variety of tasks. Switching and dimming lights, air conditioning, blinds, window shading plus anything else that connects to our system.

This universal display with its highly customizable user interface eliminates the need for multiple controllers for cabin comfort. It is the all-in-one solution for cabin controls.



### Use Your iOS Devices

The system also provides access for iOS devices to the controller network, so you can use your iPhone, iPod Touch or iPad to switch your lights, adjust the a/c or close the blinds.





## AHD-LS4 4-Way Switch

Multifunctional switch panel for four lights or other functions. The front glass when pressed slightly yields in all four corners with an audible click, providing tactile feedback. The switches can also be programmed to make use of inputs like pressing and holding for dimming or double-clicking for instantly going to full brightness. With the system's configuration tools, all manner of advanced functions can be designed.



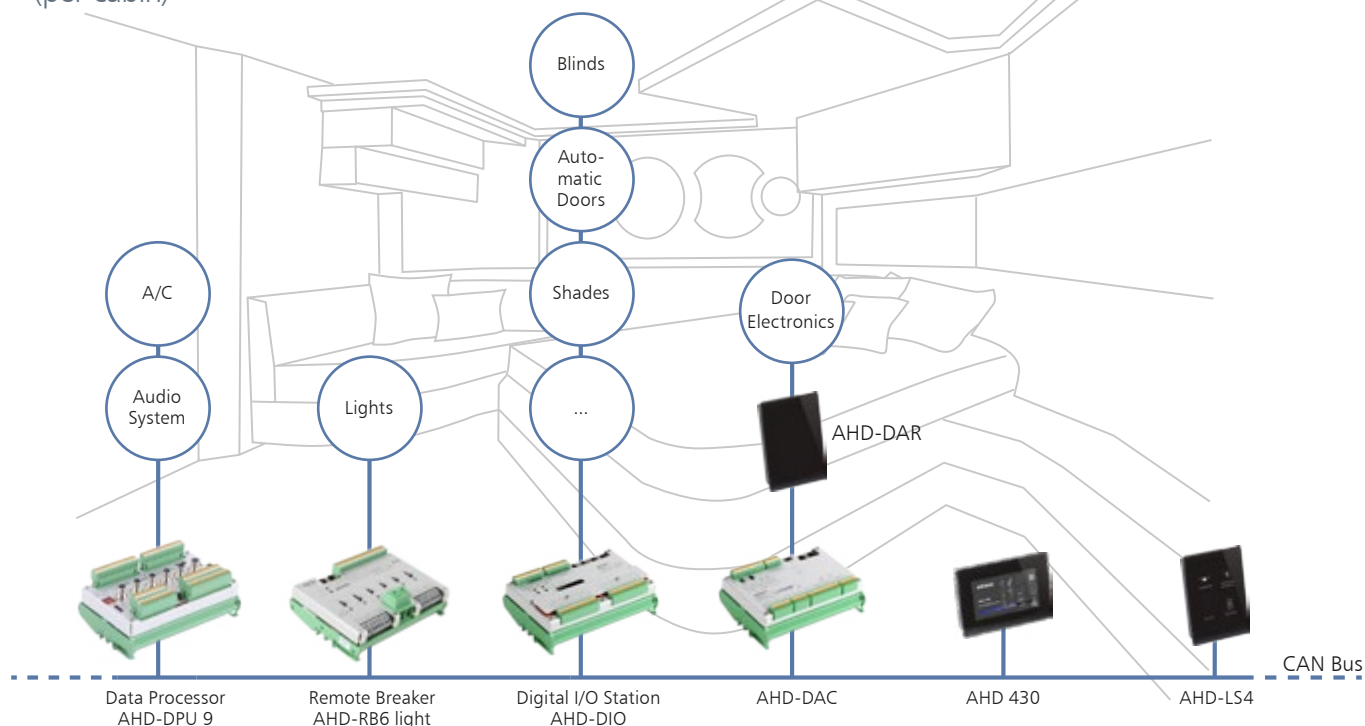


The Cabin Con data is available on the ship wide monitoring bus and therefore can be viewed and controlled from the wheelhouse or flybridge helm stations.



The larger screen sizes allow for a much better overview and provide easy ship-wide adjustments without visiting every room. Please see the Displays and Panel PCs brochure or visit our website [boeing.com](http://boeing.com) for further information on display options.

## Typical System Topology (per cabin)



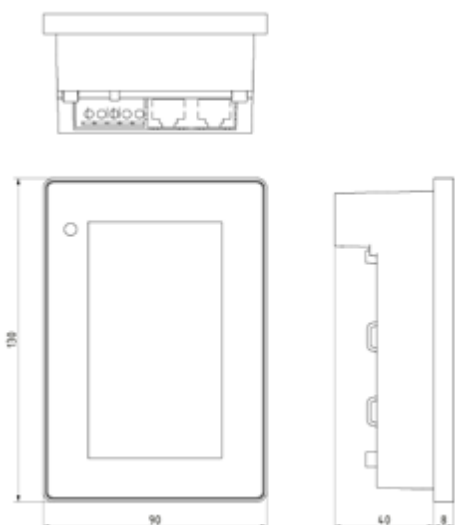
A typical cabin system comprises of your cabin controllers and two or more data stations to connect lights and other switchable consumers. All units are connected via the ship wide CAN Bus providing comprehensive monitoring and control functionalities from a cabin or elsewhere on board. AHD-DPU 9 is the interface converter for complex systems as a/c or audio systems. The remote breaker / dimmer

AHD-RB6 light connects up to six lights or light groups of LEDs or conventional lights. Relay station AHD-DIO features eight relays to control all kinds of devices. AHD-DAC manages door electronics (opens and closes electric door locks) and reads keycard information from AHD-DAR, providing the basis for a door access system with rights management.

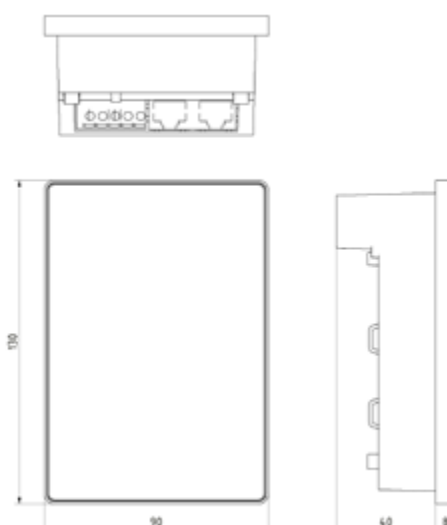
For more detailed technical information please see the specific device's data sheet on boeing.com.

## Dimensions

### AHD 430



### AHD-LS4 / AHD-DAR



All three input devices AHD 430, AHD-LS 4 and AHD-DAR share the same physical dimensions and are therefore easily interchangeable and upgradable.



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