

## GLASS COCKPIT

Total integration via multi-function displays – designed for a wide variety of marine leisure boats.



Glass Cockpit integrates all driver information in one location. The multi-function, widescreen displays give you a full overview and total control – making your driving environment more harmonized.

Integrated with the Volvo Penta Electronic Vessel Control system (EVC), Glass Cockpit enables you to monitor and control information in one place via a single interface. It provides a full overview of navigation and engine data, together with Easy Boating functions such as Autopilot, Joystick Driving and Assisted Docking.

Available from 7 to 24 inch, the display layouts are fully customizable so that you can decide when, where and how the information is presented. This increases your safety, awareness and enjoyment at sea.

Total integration from helm to prop.



A range of possibilities – whether you own a small sports cruiser or large motor yacht, there is Glass Cockpit system to suit your needs. Tailor made for your installation from 7 to 24 inch. With the option of up to three displays per helm station, you can further enhance your overview.

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## Total integration - the way you want it

The user-friendly Volvo Penta interface displays navigation data, engine monitoring, warnings, alarms and Easy Boating options such as Autopilot, Joystick Driving and Assisted Docking.

To accommodate different driving styles you can customize the layouts and views making it easier for the driver to decide what,

where and when information can be displayed. Certain situations require more focus on specific functions such as reversing cameras and radar. By pre-programming your layouts, you create a tailor-made display that shows important data and information in the way you want.



Fully customizable layouts and views. All active functions and alarms are displayed in the status bar (1). Information overlays can be placed anywhere on the display (2). Information can be divided up to six times with split screen function (3).

## Link preset layouts to joystick and control

Customized layouts can be linked to specific buttons on the control and joystick. When you press an assigned button, screen layouts change automatically to the information you need for a specific scenario. For example, when you press the "docking" button on the joystick, the layout can change and show a docking camera view.



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## Compatible components and accessories

### Navigation, communication and multimedia

Volvo Penta Glass Cockpit gives you access to the broad range of Garmin Marine system components and accessories. All of which are fully network capable including: radar, autopilot, instruments, multiple screens, FUSION-Link, sensors, black box sonar, digital switching, thermal cameras and much more.

### View and control

The Garmin Helm app allows passengers to view and control Glass Cockpit from a compatible smartphone or tablet while onboard. When using an iPhone or iPad, you can even record a movie of your chartplotter screen to share with friends and family.



The Glass Cockpit System also includes built-in Wi-Fi to communicate with your smartphone or tablet. Pinch-to-zoom your chart, radar or sonar screens.

### GPS antenna (10 Hz)

A GPS24x antenna with 10 Hz GPS/GLONASS receiver updates position and heading 10 times per second to display a more fluid vessel movement and dramatically improves your ability to accurately mark and navigate to your waypoints.

### Auto guidance

This optional feature searches through all relevant charts to create a visual route you can follow – and avoid shallow water, buoys and other charted obstacles. Linked with the Volvo Penta autopilot, it will not only show you the way, but also take you there!



## Samples of compatible components and accessories

Garmin radar compatible	Yes
Garmin sonar compatible	Yes
Garmin Marine Network™ compatible	Yes
Supports AIS	Yes
Supports DSC	Yes
BlueChart g2/BlueChart g2 Vision and G3	Yes
3-D map view	Yes
Tide tables	Yes
Sun and moon information	Yes
XM WX Weather & Radio for U.S. & Canada compatible	Yes

For advice and information regarding compatible charts, including BlueChart g2 Vision with Auto Guidance, software updates, compatible sonar and radar systems, communication systems and autopilot components, please contact your local authorised Garmin distributor and dealer.

### Remote control

An optional wireless remote control can be integrated as a keyboard in the driver's chair or the dashboard for an ergonomic and low-profile controlling solution. This also allows a seamless navigation between multiple displays at a helmstation.

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## Features:

- Fully integrated with the EVC system
- Integrates Easy boating options
- Plug n play system with Garmin components and accessories
- Gathers navigation and engine data
- Link layouts to joystick and control
- Switch all screens at a helm in sync
- Pinch-to-zoom screens
- Status bar with active functions and alarms
- Auto Guidance – takes you to your destination
- Updates position and heading 10 times/sec
- Waterproof according to standard IPX7
- Full HD widescreen touch display \*
- Built in Wi-Fi, ANT, BLE for wireless connectivity
- 4 wired Ethernet ports \*, NMEA 2000 \*, HDMI and USB ports with complete network compatibility.
- Possibility to integrate with EmpirBus to get digital switching
- Pop-up text messages

\*) Depending on hardware configuration

## Benefits:

- Intuitive and easy to use
- Enhanced overview and control
- One Touch Access
- No additional interface
- Customizable layouts
- Clone and reset settings easily
- One single supplier

## Requirements:

- Requires EVC-E2

Please contact your local Volvo Penta dealer for further information. Please note that products illustrated may differ from production models. Not all models and accessories are available in all markets, and standard equipment may vary between different markets. Every effort has been made to ensure that facts and figures are correct at the time of publication. However, Volvo Penta reserves the right to make changes without prior notice at any time.

### 8600 series

Size	Model
10"	MFD 8610XSV
12"	MFD 8612XSV
16"	MFD 8616XSV
17"	MFD 8617
22"	MFD 8622
24"	MFD 8624

### B series

Size	Model
7"	B7
9"	B9
12"	B12



The Glass Cockpit multi-function displays (MFD) – available from 7 to 24 inches.

# VOLVO PENTA

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