Cabin Management Systems

Smart Cabin CMS Means Complete Cabin Control at Your Fingertips
Revolutionize the way you connect with your aircraft cabin

Create a cabin experience that mirrors the essence of your office or living room. Use your mobile technology to connect and control components throughout your cabin.

**Smart Cabin** is the convergence of innovative cabin management, in-flight entertainment, and wireless connectivity. It empowers you with everything necessary to connect, stay informed, be entertained, and manage the aircraft cabin environment.
Leverage an advanced wireless ecosystem

At the core of **Smart Cabin** is the do CAPSULE, a wireless workhorse that allows passengers to use any iOS, Android, or Windows device to connect to Cabin Management and In-Flight Entertainment systems.

As an entertainment device, do CAPSULE is capable of streaming High-Definition videos to passengers. Additionally, it provides a platform to share office productivity files and allows passengers to view the Moving Map.

Control your environment with intuitive touchscreens

Complementing wireless control is a broad line of touchscreens and OLED buttons that integrate beautifully into an existing decor. These hard-wired controllers offer a wider variety of functionality including galley equipment, lights, window shades, attendant calls, cabin temperature, and more. FDS Avionics Corp. works with VIP clients to create the perfect custom interface. VIPs enjoy a seamless in-flight experience with the most up-to-date technology.
Enjoy simple, yet rugged connectivity

The backbone is what connects the video sources to the HD monitors. We chose to use the Controller Area Network Bus (CAN Bus 2.0B) because it is robust and easy to install. This CAN Bus architecture forms a reliable network of components that interact with one another without the complexity of running all wires to a central server. This eliminates the possibility of a total system failure resulting from a single malfunctioning component.

CAN Bus allows operators to keep up with the fast-paced changes in consumer electronics and minimize the financial impact of system redesigns.

Easily manage source components

To suit any need, we’ve designed several High-Definition video sources, which include a JetJukebox, an aircraft Blu-ray Player, and a High-Definition Flight View Camera.
Typical Installation for Very Light Jets

When tailored for the VLJ, our lightweight Smart Cabin CMS provides passengers with a great way to occupy themselves. Guests can use any personal electronic device to share productivity files, enjoy entertainment, or watch the Moving Map.

**do CAPSULE Wireless Media Streamer**

do CAPSULE is a wireless media streamer designed for aircraft cabin collaboration and IFE. do CAPSULE uses your aircraft’s wireless router to create a wireless network server. Includes our new 2D Worldwide Moving Map with an optional 3D version.

**High-Definition Monitors**

7” High-Definition, widescreen arm mount monitors provide crisp, clear and color accurate images. A DAPS350 will be required if the aircraft utilizes more than one monitor.

**Dual USB Charger**

Our Dual USB Charger provides 5V DC for full charging capability for carry-on devices such as smart phones, tablets, and other personal electronics.

**Cabin Control Modules**

Single button multifunction switch panel consisting of intuitive, crystal-clear OLED screen that is customized to control a variety of information and entertainment needs in the cabin.

Example aircraft: Citation Mustang, Embraer Phenom 100
Typical Installation for Small Jets

In addition to file sharing, entertainment, and moving map, a **Smart Cabin CMS** tailored to a small jet would have full lighting and temperature control. A larger touchscreen control module can be added to a VIP seat. Often a bulkhead display as large as 10” to 14” can be installed.

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**High-Definition Monitors**

Optional 10” or 14” High-Definition, widescreen bulkhead monitors provide crisp, clear and color accurate images. A DAPS350 will be required if the aircraft utilizes more than one monitor.

**Dual USB Charger**

Our Dual USB Charger provides 5V DC for full charging capability for carry-on devices such as smart phones, tablets, and other personal electronics.

**Cabin Control Modules**

Single button multifunction switch panel consisting of intuitive, crystal-clear OLED screen that is customized to control a variety of information and entertainment needs in the cabin.

**Example aircraft: Citation, Embraer Phenom 300**
Medium sized jets may require controls for galley equipment and lavatory functions. The roomier cabin can accommodate larger High-Definition displays. The **Smart Cabin** CMS lets passengers control all of this. It also provides wireless entertainment, productivity file sharing, and Moving Map.

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**High-Definition Monitors**

Optional 14” to 22” High-Definition, widescreen bulkhead monitors provide crisp, clear and color accurate images. A DAPS350 will be required if the aircraft utilizes more than one monitor.

**Dual USB Charger**

Our Dual USB Charger provides 5V DC for full charging capability for carry-on devices such as smart phones, tablets, and other personal electronics.

**Cabin Control Modules**

Single and three button multifunction switch panels consisting of intuitive, crystal-clear OLED screens that are customized to control a variety of information and entertainment needs from anywhere in the cabin.

**Cabin Control Modules**

3-inch High-Resolution, touchscreen with a single large display. These fully operational screens are typically used in the galley or at the VIP seat.

Example aircraft: Citation X, Hawker
Larger jets allow for the ultimate customized **Smart Cabin CMS**. VIPs are afforded almost complete control over cabin amenities. In addition to wireless entertainment, productivity file sharing, and Moving Map, passengers can adjust lighting and temperature. A CMS in a larger jet may accommodate satellite TV and security systems. Smart Cabin ties it all together, wirelessly.

**do CAPSULE Wireless Media Streamer**

do CAPSULE is a wireless media streamer designed for aircraft cabin collaboration and IFE. do CAPSULE uses your aircraft’s wireless router to create a wireless network server. Includes our new 2D Worldwide Moving Map with a optional 3D version.

**High-Definition Monitors**

Optional 14” to 42” High-Definition, widescreen bulkhead monitors provide crisp, clear and color accurate images. A DAPS350 will be required if the aircraft utilizes more than one monitor.

**Dual USB Charger**

Our Dual USB Charger provides 5V DC for full charging capability for carry-on devices such as smart phones, tablets, and other personal electronics.

**Cabin Control Modules**

Single and three button multifunction switch panels consisting of intuitive, crystal-clear OLED screens that are customized to control a variety of information and entertainment needs from anywhere in the cabin.

*Example aircraft: Global Express, Gulfstream*
The templates illustrated on these pages show major components only. All Cabin Management Systems will require additional audio crosspoint switches, video crosspoint switches, and HD converters. Often a new CMS will need to work with existing components. To accommodate this, Smart Cabin uses FDS Avionics Corp. High-Definition backbone components.

Cabin Control Modules
3-inch High-Resolution, touchscreen with a single large display. These fully operational screens are typically used in the galley or at the VIP seat.

Flight Attendant Control Panel
7" High-Resolution, touchscreen with a single large display. Specifically designed to be used by the flight attendant in the galley, this control panel incorporates call feature options.

High-Definition Blu-ray Player
High-Definition video source completes the cabin entertainment system by providing digital audio and video.

High-Definition Backbone
Typical Installation for Helicopters

The lightweight, wireless Smart Cabin CMS ecosystem is perfect for VIP helicopters. Passengers can use any personal electronic device to share productivity files, enjoy entertainment, or watch the Moving Map. Larger helicopter cabins may accommodate High-Definition LCD displays.

**do CAPSULE Wireless Media Streamer**

do CAPSULE is a wireless media streamer designed for aircraft cabin collaboration and IFE. do CAPSULE uses your aircraft’s wireless router to create a wireless network server. Includes our new 2D Worldwide Moving Map with a optional 3D version.

**High-Definition Monitors**

Optional 14” or 17” High-Definition, widescreen bulkhead monitors provide crisp, clear and color accurate images.

**Dual USB Charger**

Our Dual USB Charger provides 5V DC for full charging capability for carry-on devices such as smart phones, tablets, and other personal electronics.

**Cabin Control Modules**

Single button multifunction switch panel consisting of intuitive, crystal-clear OLED screen that is customized to control a variety of information and entertainment needs in the cabin.

**Cabin Control Modules**

3-inch High-Resolution, touchscreen with a single large display. These fully operational screens are typically used at the VIP seat.

Examples: Eurocopter EC145 & AS139, Bell Series, MI8, Sikorsky
World Class Support

Robust aircraft on-ground customer support

FDS Avionics Corp. understands the importance of staying on schedule. Our dedicated staff is available to provide system technical support, answer installation questions, or discuss anything else about the Cabin Management System.

Remote troubleshooting

Remote Diagnostics Connection for the Smart Cabin provides an instant connection to FDS Avionics Corp. engineers if problems arise. As long as there is an internet connection available we can provide diagnosing support, no matter where in the world the aircraft is located. This allows flight crews to focus on scheduled flights and not unexpected maintenance events.

Trusted by high profile clients worldwide

Our cabin management systems are installed on aircraft that provide services for Presidents, Prime Ministers, CEOs, and business jet customers from all over the world. Their trust in FDS Avionics Corp. is evident by the testimonials received and the awards garnered from customer ratings for service and support.

They’re very good with customer support. We feel they are most responsive to entertainment flight equipment needs of our customers and they’ve just been a joy to work with.

Mike LaConto, Avionics Sales Manager with Epps Aviation
FDS Avionics Corp. is reinventing cabin management and in-flight entertainment every day

We design and manufacture innovative technologies that enable mobile VIPs to easily collaborate and share information in a simple, intuitive way.

Fast and Flexible
Our Cabin Management System is popular because it’s not a one-size-fits-all solution. We take the time to customize the product for each aircraft. Yet, we still do it faster than anyone else.

Experienced and Innovative
Over a decade ago we provided the first Moving Map to small private aircraft. Not long after, we were the first to market with an extensive line of rugged High-Definition displays. We currently offer a smart, robust cabin management system solution for aircraft of all sizes. We are leveraging wireless technologies to bring the latest content right to your seat, no matter what type of personal electronic device you have.

Responsive and Supportive
Since our revolutionary Moving Map was introduced, our loyal customers have asked us for more. We responded with a full line of displays and components that transform your cabin into a truly interactive environment. Each product we manufacture is rigorously designed and engineered to provide a faultless experience. Additionally, we provide first class support to assure continued optimal operation.

Cost effective
Highly customized and innovative solutions, backed by thorough support, shouldn’t have to cost a fortune. We make efficiency a goal. You will be pleasantly surprised that the cost of our systems is typically a fraction of our competitors’ systems.