

AIRSHOW® 4000

The next generation of in-flight information distribution



In today's world things happen faster than ever. That's why you can't afford to be out of touch. Even at 40,000 feet. Rockwell Collins' Airshow® 4000 system features a new software version to better meet your global information needs. With an updated look and a host of new features, Airshow 4000 now lets you customize your content selection from a menu of the most trusted names in dynamic media delivery. Once again, Rockwell Collins sets the new standard for moving map technology.

**Rockwell
Collins**

Building trust every day

Are we there yet?

That classic traveling question was the original motivation behind our first Airshow moving map system. Since its introduction, we have continued to build on our experience and expertise to keep our systems at the forefront of information delivery capabilities, while making every flight more enjoyable. Airshow 4000 will turn “Are we there yet?” into “We’re here already!”

New Version 2 software

Version 2 software is the newest upgrade to Rockwell Collins’ Airshow 4000 3D moving map displays. The new software includes an exciting new graphical look. Plus it delivers many new features and performance enhancements that will not only deliver an unparalleled level of realism, but will also add new capabilities to what is already the business aviation industry’s most popular 3D moving map system.

Key upgrades include:

- A new global map package that provides major improvements in detail and coverage
- Innovative new time and flight status displays
- Realistic day/night views on all 3D maps
- A new “Head-Up” display designed to deliver the pilot’s eye view of the flight
- A completely updated look and feel for all displays
- High-speed broadband enabled capability offers a new and faster alternative to download Airshow Network updates

Airshow 4000 keeps you informed, entertained and in touch from takeoff to touch down.

3D moving maps

With Version 2 software, Rockwell Collins’ Airshow 4000 goes well beyond just advanced communications technology. Its high-powered proprietary map engines offer you the greatest degree of flexibility and viewing options, including new Point-of-Interest (POI) panels, real-time day/night animation on 3D maps, 3D relative location indicator (RLI), 3D time zone map and additional resolutions for all worldwide maps to enhance each passenger’s traveling experience.

Rounding out the Airshow 4000’s moving map capabilities is a host of popular features including world clocks, flight instrument panels, tabbed-style navigation menus, Hi-Focus, 3D zoom and perspective views, and information tickers.

Broadband enabled – live news and more

Airshow 4000 is compatible with today’s most popular IP-based satellite broadband connectivity solutions. This means you get the fastest and most reliable content delivery right to your aircraft’s cabin. Airshow 4000 offers a variety of programming options including Bloomberg, BBC, CNN, Intellicast®, PA SportsTicker, The Wall Street Journal and others. All of your selected content is continually updated, ensuring that the information you need is available whenever and wherever in the world you need it.

You control what’s on

With MyAirshow.net you can completely personalize the optional Airshow Network service experience. Through your customized web portal you can manage your personal Network content portfolio; customize stocks, sports and weather updates; and view and edit personal account information. All available right from your desktop anytime, anywhere.

Unmatched versatility and flexibility

As a world leader in avionics and cabin electronics, Rockwell Collins understands the value and importance of your business aircraft. That’s why our Airshow 4000 is compatible with virtually every Cabin Management System (CMS) installed today. We make it easy to stay connected to the world below no matter what type of aircraft and CMS system you are flying.



Point-of-Interest (POI) panel

New city guide content will be presented in an information panel similar to the flight information today. The POI panel will feature images with captions and interesting information on various points of interest along the flight route.



Real-time day/night 3D maps

On the 3D maps, the sky scenery will now give indication as to what time of day it is. The new, smooth graphical transitions will allow for the appearance of dawn, day, dusk and night.



Flight information page

Moving map displays flight information parameters based on real-time data from the flight navigation system. There are 25 parameters to choose from for customized display.



Flight instrument panel in Version 2 or Classic style

Replicate the look of a flight instrument panel and view real-time flight information using available data.



Head-Up display

Virtual pilot's eye view using the aircraft's flight and navigation information.



Place names for Hi-Focus maps

Now the Hi-Focus maps, featuring even higher resolution than before, include an extensive list of place names and points of interest, such as museums, theme parks, neighborhoods, airports and other interesting locations.

In-flight information



Safety briefings

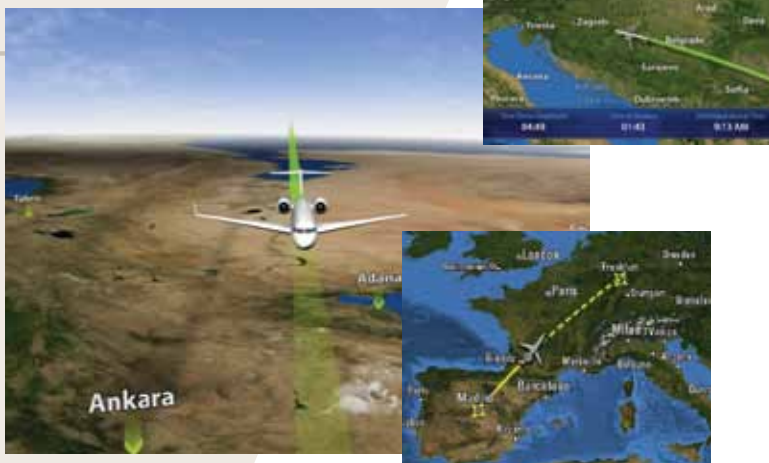
Airshow 4000 reduces crew workload with automated briefings that feature animation, audio and live-action video. Operators can also choose to customize their briefings for specific aircraft.



Flight progression map

Throughout your flight, a variety of 3D and 2D map displays show various progression views, including preflight route, total route map, and distance traveled.

Personalized maps



Map styles

Maps utilize state-of-the-art photo imagery with unprecedented color and realism. Custom place names and points of interest may be added.



Time zone globe

The time zone globe map traces the sun's path throughout a 24-hour period.

News and entertainment

Real-time news, stocks, sports and weather

Navigate through the latest news sources including Bloomberg, BBC, CNN, Intellicast, PA SportsTicker and The Wall Street Journal. They can also be toggled to full-story mode or configured for automatic sequence.

Downloading updates is now faster than ever with broadband connectivity.





Relative location indicator

Airshow 4000 can display the distance to cities or points of interest, relative to your aircraft's position. Fixed points, such as Mecca or your corporate headquarters, can also be displayed.



World explorer

Interesting facts are waiting to be discovered all along the route, to an expanded points of interest information display within the interactive world explorer.



World clocks

View time zone information anywhere around the globe with our new world clock feature. Customize to the cities of your choice; you can view the time in analog or digital format.



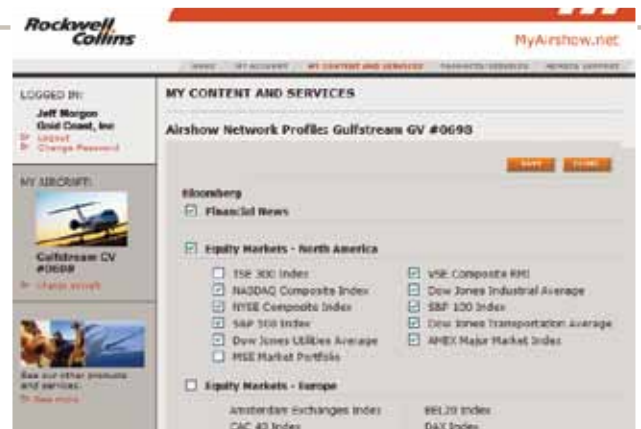
Multilingual maps and information

Airshow 4000 can be configured to display en route cities and flight information pages in a variety of languages.

Airshow content and services

MyAirshow.net

Personalized network information and data specific to your aircraft.



Straightforward installation. Seamless integration.

Broadband connectivity

The Airshow 4000 now supports IP-based connectivity over high-speed and broadband data systems. This new capability allows for faster and more reliable connections and content downloads.

A host of input ports are available on the Airshow 4000 to make it easy to run diagnostics and system checks, as well as to load new software. Two independent video streams allow information to be displayed on the flight deck or a separate zone within the cabin.

The Airshow 4000 system keeps the flight deck updated with WSI Doppler radar images. Pilots can control the system using a digital cockpit controller/flight deck controller. This allows arrival airports to be entered so that the system can plan destination information and retrieve data about the flight. Stored weather images can be sequenced to form a trend analysis of storm cell direction, intensity and velocity. The pilot can also activate audio briefings and access satellite weather at any time, further enhancing the flow of information.

The Airshow 4000 system was designed to replace previous 4 MCU Airshow Network systems and minimize installation issues, though it retains the same size and shape as the system it replaces. Simply install a new tray. No additional wiring is required, unless you want to take advantage of the system's dual-channel audio.



Doppler radar weather

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METAR KJFK
301551Z 30014017KT 10SM CLR
21.09 A3033 RMK A02 SLP271
T02110084=

TAF KJFK
141735Z 141818 30018 030 KT P6SM
SAC TEMPO 1821 FEW045 BECMG
0002 21015 025 KT

NOTAMS JFK
00001 JFK 25L ILS 05 UNUSBL BYD10

PIREPS JFK
RA.0V YRZ.TM 1406/FL330/TP
0727/WX 040023=
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Text weather



Flight deck weather control menu



National satellite weather

Specifications

Digital media unit (DMU)

Dimensions	
Height	7.80 in (198.1 mm)
Width	4.97 in (126.2 mm)
Length	14.20 in (360.7 mm)
Weight	9.5 lb (4.31 kg)
Power	20.5 to 32.2 VDC
	70 W at 28 VDC
Hold-up	7 to 14 seconds through internal backup

Environmental	
Temperature	-15°C to 55°C
Altitude	-15,000 ft to 15,000 ft
Vibration	DO-160D, CAT S, Curve B2

Mounting information	4 MCU (ARINC 600)
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Controllers	Flight deck controller, digital cockpit controller, serial mouse, PS/2 mouse and USB mouse
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Digital inputs	ARINC RS-419/429 bus
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Radio telephone interface	56 Kbps modem
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Analog inputs	0 to 5 VDC DCC dim voltage input
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Analog outputs	(2) Stereo audio outputs or (4) mono audio outputs (2) Mono outputs of previous channels
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Video out to cabin	Composite video (NTSC, 50/75-ohm) Y/C (S-video) (NTSC, 50/75-ohm) 100-ohm balanced video (NTSC)
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Video out to flight deck	Composite video (NTSC, 50/75-ohm) Y/C (S-video) (NTSC, 50/75-ohm) 100-ohm balanced video (NTSC) RGB with CSYNC (installation option)
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Discrete inputs	(24) Discrete inputs, SW assignable
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Discrete outputs	(8) Discrete outputs, SW assignable
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Front panel I/O	(1) USB port (1) Modem jack (1) Audio jack (1) Ethernet 10/100 Base-T port (1) Cabin video connector
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Rear panel I/O	ARINC 600 size 2 connector: (1) USB (2) Ethernet 10/100 Base-T ports (4) RS-232 ports for high-speed data, mouse, printer, maintenance, debug (2) RS-485 ports (1) PS/2 mouse interface (1) Microphone input (1) Modem interface (1) Analog DCC dim input
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Processor (minimum)	Intel® Centrino® 915GM
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RAM (minimum)	1 GB
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Internal Storage (minimum)	40 GB
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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Building trust every day.

Rockwell Collins delivers smart communication and aviation electronic solutions to customers worldwide. Backed by a global network of service and support, we stand committed to putting technology and practical innovation to work for you whenever and wherever you need us. In this way, working together, we build trust. Every day.

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