ARINCDirect℠

Cabin connectivity

Rockwell Collins

ARINCDirect^{SM} cabin connectivity

Keeping you connected at every flight level

Whether you are a private flight department, large corporation or charter operator, in-flight connectivity is a must in today's information-enabled world. That's why Rockwell Collins' ARINCDirect^{SM} cabin connectivity services offer you a breadth of options and value-added services to meet your phone, fax, voice and data needs, including Inmarsat's Jet ConneX (JX) service, with global Ka-band connectivity at broadband speeds as well as Inmarsat SwiftBroadband, Iridium and ViaSat Mobile Broadband.

As a trusted provider of Inmarsat communications solutions for more than 10 years, we offer you a variety of connectivity options for data, email, text messaging, voice and VPN, including their newest service, Jet ConneX (JX).

JX provides operators with the unique ability to access service at higher speeds, greater bandwidth and truly global coverage.

Jet ConneX (JX)

> Transmitted over the I-5 Ka-band satellites

> Three satellites providing global connectivity

> Ka-band broadband services

> Simultaneous high-speed data and voice

> Continuous, consistent service across all time zones

> Global service availability

SwiftBroadband (SBB)

> Transmitted over the I-4 satellites

> Service speeds up to 432 kbps

> Simultaneous high-speed data, safety services and voice

> Worldwide coverage at all altitudes (except polar regions)

> Dedicated streaming channels, up to four per aircraft

> Future integration of Air Traffic Control (ATC) messages

SwiftBroadband 200 (SB200)

> Transmitted over the I-4 satellites

> Service speeds up to 200 kbps (uncompressed) via a small, low-gain Class 15 antenna

> Worldwide coverage at all altitudes (except polar regions)

Inmarsat Classic Services

> Provides reliable voice and satellite data link connections

Swift 64

> Utilizes the L-band spectrum and a high-gain antenna communicating over the I-3 satellites

> Service speeds up to 64 kbps per channel

> Inmarsat's first mechanism for high-speed data

> Up to four channels can be bonded together, increasing throughput four-fold

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ViaSat Mobile Broadband

ViaSat Mobile Broadband via the Ku-band network allows you to send and receive email, establish VPN connections, watch streaming video and participate in video conferencing. ViaSat Mobile Broadband coverage is available both in the air and on the ground, so you can finish that last email during your taxi from the FBO.

Although ViaSat Mobile Broadband does not support phone natively, the connection is strong enough to support high-quality Voice over Internet Protocol (VoIP) phone calls. ViaSat Mobile Broadband VoIP is automatically provisioned in your account using the ADConnect VoIP app and is available for iOS and Android™.

iridium®

Iridium is an excellent choice for both phone and fax connectivity, but is also robust enough to provide limited data services through Short Burst Data (SBD) protocol. Data can include sending/receiving email and SMS messages and supporting data link in the flight deck. Much like cell phones, Iridium units are programmed with removable SIM cards. ARINCDirect can provide worldwide service to all Iridium units that accept our SIM cards.

Cost-effective and reliable, Iridium's voice and data services are ideal for business jet operators looking to provide their passengers with smartphone-enabled air-to-ground voice, SMS, email, fax and low-speed data communications, providing global coverage, including the polar regions.

Global support

Regardless of your location, we stand ready to provide you with the support you need to stay connected. Our service and support team offers 24/7 technical support, including upgrade consultations, on-site diagnostics and configurations. We have a presence at all major OEMs, as well as field service technicians around the globe, from Annapolis and Dallas to Dubai and Kuala Lumpur.

Rockwell Collins℠

Value-added services

Getting connected is only the start. To maximize your flight experience, we offer a variety of value-added services, from our AD Wi-Fi call and text app to content filtering.

Rockwell Collins Airborne Data Router (ADR)

The Rockwell Collins ADR is the next generation smart router, providing customers an end-to-end cabin connectivity solution. Designed specifically to meet DO-160G and DO-178B standards and requirements, this router enables flight deck and cabin connectivity for IP devices and Electronic Flight Bags (EFB).

ARINCDirect*SM* Dial

ARINCDirect Dial is a ground-to-air service that provides your aircraft or fleet with a standard local phone number which routes calls dynamically to any handset in the aircraft, based on the caller's selection. Our Direct Dial International option allows you to pick local numbers from hundreds of cities and countries worldwide.

AD Wi-Fi call and text app

The AD Wi-Fi call and text app, from Rockwell Collins ARINCDirect, lets you place and receive calls and texts on your personal cell phone, using your own number anywhere in the world. The app utilizes your broadband Inmarsat (i.e. SBB and JX) and ViaSat Mobile Broadband service connection from your aircraft.

ARINCDirect Network Analyzer

The Rockwell Collins' ARINCDirect Network Analyzer app delivers a set of easy to use network troubleshooting and resolution tools to restore onboard connectivity.

Acceleration and compression

With our acceleration and compression, you can add 100–400 percent bandwidth capacity to your cabin network, sending and receiving more data in a shorter period of time. That means lower costs and an improved customer experience.

VoIP services and ADConnect app

The ADConnect app provides savvy corporate travelers with a bridge between personal smartphones and the various communications technologies present on the aircraft. It allows passengers to call anywhere in the world directly from their smartphones. The ADConnect app is available for the iPhone® and Android-powered smartphones. The app can be downloaded from the Apple iTunes® store and Google Play™ stores.

Alerting

Receive automated usage alerts via email, text message and data link based on thresholds you set.

Content filtering

Content filtering gives the operator control over what type of data is used in flight. Websites are filtered and content restricted, including auto-updates and cloud services. Content is blocked by category.

ARINCDirect*SM* Cabin Connect

Our exclusive ARINCDirect Cabin Connect service allows aircraft operators to control SATCOM operating costs through direct credit card payments. Cabin Connect is available to all ARINCDirect SwiftBroadband (SBB) customers regardless of equipment.

Online customer portal

Access an online portal for real-time usage information and troubleshooting, including detailed application reports. The portal monitors your current usage against your total data allocation.

Network redundancy

We have two Points of Presence (POP), one in London and the other in New York, making Rockwell Collins a truly redundant network provider. This provides uninterrupted service in the event of an operational change or outage.

About Rockwell Collins

Rockwell Collins is a pioneer in the development and deployment of innovative communication and aviation electronic solutions for commercial and government applications. Our comprehensive ARINCDirect suite of flight support services brings together best-in-class flight planning, international trip support, cabin connectivity and flight operations management.

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