GoDirect™ for Commercial Helicopters, Government and Defense

Your Direct Route to Services You Can Rely On
GoDirect™. Connectivity equipment, apps, services and solutions ensuring a safe, secure, successful and connected experience.

Connectivity is all around us, from connected homes to aircraft to our lives. We have smart devices that put vast stores of information and powerful apps at our fingertips when enabled by connectivity. We empower leaders, mission specialists and passengers to stay situational connected and to succeed more effectively through connected decision-making.

This is no less important for operators of transports, head-of-state command posts, sense-surveillance-protect platforms and special operations aircraft in the Government and Defense (fixed-and rotary-wing) and Commercial Helicopter markets.

Global, high-speed secure connectivity is fundamental to mission success – from transporting critical assets to enhancing law-and-sovereignty enforcement to saving lives. It provides the right information anytime, anywhere.

Additional benefits include:
- Consistent data, voice and video communications
- Wi-Fi capabilities like those available at home or in the office
- Enhanced productivity through on-the-move email, internet and streaming
- Improved operations in terms of flight planning, efficiency and safety
- Advanced predictive maintenance and logistics
- Reduced operating costs

Staying connected during all operational phases is key to achieving your objectives while realizing value-added benefits.

GoDirect is the one-stop shop for the necessary equipment, apps, services and solutions.

All backed by a complete set of communication channel partners as well as a secure ground network, customer portal, business operations, and end-to-end field, network and technical support.

GoDirect consistently and cost-effectively delivers

It is time to GoDirect

GoDirect

Enablers

Connectivity

Apps & Services

Infrastructure

Solutions

Cockpit SATCOM
Cabin SATCOM
Sky Connect
Routers/Servers/WAP
GoDirect Router Software
Acquisition & Record

Connectivity Services:
- Cockpit
- Cabin
Network App Tool Kit App

Flight Support
Flight Efficiency
Fuel Efficiency
Cabin Services
Maintenance Services

Network Portal
Business Ops Support (24/7)
IT Security

Analytics
Database Delivery
Maintenance Solutions
Connected APU, Comp, ECS, Engines, W&Bs
Connectivity Equipment
The Connection Enablers

- SATCOM systems – i.e., terminals, antennas, and related units – for L-band operation with Aspire 200™, Aspire 400™, HSD 400/440 and MCS-7000, as well as Ka-band operation with our state-of-the-art JetWave™
- Sky Connect Tracking System
- CNX cabin routers with GoDirect Router Software, the Honeywell Next Generation GoDirect Router and our wireless access points

Honeywell has equipped fixed and rotary wing aircraft with connectivity equipment solutions for decades.

And it continues to deploy new enablers and next generation systems delivering new frequency ranges, increased speed-and-throughput and greater routing efficiency.

GoDirect Connectivity Services
The Connection “Airtime”

- Cockpit ACARS, Safety Services, database, Datalink, messaging, video and voice via VHF as well as L-band Classic and Swift Broadband (SBB) SATCOM
- Sky Connect flight tracking and fleet management
- Cabin data, e-mail, internet, messaging, streaming, video, voice including Voice-over-IP (VoIP), and Virtual Private Network (VPN) via cellular as well as L-band Classic, L-band SBB and Ka-band Global Xpress (GX)

All supported by key partnerships with cellular, radio, satellite and ground network providers.

See final two pages for a list of the comprehensive Honeywell Connectivity Services offerings.
GoDirect Connectivity Controls
The Network Essentials

• The Network app makes it fast and easy to configure the onboard Wi-Fi, check its status and find ways to restore connectivity

• The Toolkit app enables technicians to easily access and e-mail troubleshooting data

• GoDirect Access provides a seamless way to activate connectivity, manage VPNs and view your bill

• GoDirect Routing allows you to configure and optimize the SATCOM traffic and performance

• GoDirect Filtering monitors and guards against wasteful data consumption and is a sophisticated manager-and-sustainer of satellite and ground links during transitions.

GoDirect connectivity controls provide real-time info and the power-to-manage network connections.
GoDirect Apps and Services

- Airtime activation
- Analytics
- Flight support solutions spanning Operations, Flight and Fuel Efficiency, and Weather
- Solutions such as Global Number, Media and Voice (VoIP)
- Maintenance solutions leveraging Condition-Based Monitoring, Health Usage and Monitoring, and Predictive Trend Monitoring and Diagnostics
- Database delivery
- Connected avionics and mechanics such as Auxiliary Power Units, Components, Environmental Control Systems, Engines, Flight Management Systems, and Wheels and Brakes

FLIGHT PREVIEW
Our innovative Flight Preview app gives pilots an exact picture of the runway environment on their iPad, long before they begin their approach. The app uses regulatory authority data to render a flight path including waypoint sequencing and vertical and lateral profiling in three dimensions, so pilots know exactly what to expect.

GODIRECT VOICE
Honeywell’s GoDirect Voice is an easy-to-use app that enables voice calls for passengers who need to stay connected while in-flight.

FUEL EFFICIENCY
The GoDirect Fuel Efficiency app tracks aircraft operation and resulting fuel consumption through all phases of flight and provides guidance on how the flights can be more fuel-efficient. The app also lets pilots manage their company’s fuel accounts and purchasing agreements – all by touching just an icon or two.

WEATHER INFORMATION SERVICE
The GoDirect Weather Information Service app uses an easy-to-read map to provide flight crews with the most accurate weather information available in flight so they can avoid severe weather, enhance flight efficiency and improve safety and passenger comfort and complete the mission.

SATCOM TOOLKIT
Honeywell’s GoDirect Satcom Toolkit app makes it much easier for maintenance technicians to troubleshoot and service the aircraft’s Honeywell satellite communications and router hardware as well as the end-to-end connectivity network.

SATCOM NETWORK
Honeywell’s GoDirect Satcom Network app allows flight crew and/or passengers to diagnose and troubleshoot in flight Wi-Fi connectivity.

Connectivity Services

- Enabled by GoDirect Connectivity Services
- Built on proven GoDirect Router Software
- Include key GoDirect support apps
  - Network Inform and Control
  - Tool Kit Install, Maintain and Troubleshoot
- Span critical GoDirect Services (Cabin)
  - Access Activation, VPN, Billing
  - Routing Acceleration, Bonding, Mobility
  - Filtering Guard, Monitor
  - Global Number One Number Dial
  - Voice Voice Over IP (VoIP)
  - Media Streaming, IPTV
- Backed by GoDirect Network and Portal
Successful operations begin with GoDirect.

GoDirect Network
The Secure Infrastructure

GoDirect Network, a state-of-the-art, secure infrastructure:

- Spanning customer business operations, portals and IT purposely located next to the support engineering
- Ensuring highly-reliable performance of the GoDirect Connectivity, Flight, Cabin and Maintenance apps, services and solutions
- Providing user-friendly customer engagement
- Protecting your data, including routing traffic to your region regardless of aircraft location

GoDirect Portal
The Direct Access

Via a single login, you can view your subscriptions as well as new offerings that further optimize the experience. Includes inform-and-control tools for managing data traffic assurance, provisioning, and shaping.

All backed by a 24/7 GoDirect Customer Support directly accessible by phone or e-mail and staffed by aviation professionals, dispatchers, pilots, and field + network + technical experts.


GoDirect - the one-stop shop delivering your fixed- and rotary-wing Connected Aircraft needs for mission success

Years of Datalink and SATCOM experience surpassing all other providers combined.

- Ground Network Engineers
- Connectivity Engineers
- DataLink Engineers
- Technical Operations
- Specialists

Support Information

GoDirect Service Aviation
Toll Free: (888) 837-5375
International: +1-602-365-6416
Email: FSSActivations@Honeywell.com

Flight Services
Toll Free: (888) 634-3300
International: +1-602-365-7020
Email: flightservices@Honeywell.com

ARINC/SITA: HDQGLXHUS

GoDirect Portal
Notifications (operator-set alerts)
Control of Service
Fleet Consumption (including aircraft)
Aircraft Consumption
Fleet Consumption (including aircraft)
## GoDirect Connectivity Services

**Constellation:** Inmarsat  | **Connectivity:** L-Band Swift Broadband (SBB)

<table>
<thead>
<tr>
<th>SERVICE</th>
<th>(SUB-)FEATURE</th>
<th>INCLUDED DATA (IF APPLICABLE)</th>
<th>MEGABYTES</th>
<th>PERIOD</th>
<th>NOTE(S)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Service Plan - Background IP</strong></td>
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<td>Select one of below plans</td>
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<tr>
<td>i.e., Pay-Go</td>
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<td>or one of the Essential Plans</td>
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<td>or one of the Pro Plans</td>
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<td>or one of the Mission Plans</td>
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<td>or one of the Team Plans</td>
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<td>or one of the Enterprise Plans</td>
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<td>plus optional</td>
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<td><strong>Service Plan - Stream IP</strong></td>
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<tr>
<td>Select one of below &quot;on-demand&quot; SBB streams</td>
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<tr>
<td>i.e., one of the Essential Streams</td>
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<td>or one of the Pro Streams</td>
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<td>or one of the Team Streams</td>
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<td>or one of the Mission Streams</td>
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<td>or one of the Enterprise Streams</td>
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<td>or Xstream</td>
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<td><strong>Service Plan - High Data Rate</strong></td>
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<td>Select from one of below HDRs ...</td>
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<tr>
<td>i.e., one of the HDR Standards</td>
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<td>or HDR Plus</td>
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<td>or one of the HDR Tacticals</td>
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<td>or HDR Premium</td>
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<td>or HDR Max</td>
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<td><strong>Service Plan Option</strong></td>
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<td>Class 6 &amp; 7 SBB Packet Switch App</td>
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<tr>
<td>SBB Fax</td>
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</table>

**Notes:**
1. "Always on" packet switch-based service supporting (background) transfers (i.e., data, FTP or File Transfer Protocol), e-mail, (secure) internet & web browsing, messaging, & VPN or Virtual Private Network management
2. Pay-Go or "Pay As You Go" i.e., charged per MB of service used
3. Data amount allocated annually; usage tracked monthly from consumption and overage point of view
4. "On demand" packet switch-based service supporting data streaming including video / conferencing as well as VoIP / FoIP or Voice- / Fax-over-IP; capability provided at the indicated rate in kbps or kilobits per second
5. HDR or High Data Rate
6. Requires Satcom terminal & antenna combination specifically capable of HDR functionality
7. Downlink or "down" is the movement of data traffic from the satellite providers’ ground network / stations to in-orbit satellites and then from there down to the aircraft’s Satcom terminal
8. Uplink or "up" is the movement of data traffic from the aircraft’s Satcom terminal (up) to in-orbit satellites and then from there to the satellite providers’ ground network / stations
9. AMBE (or AMBE+2) or Advanced Multi-Band Excitation operated in circuit switch mode
10. ISDN or Integrated Services Digital Network operated in circuit switch mode
### Constellation: Iridium | Connectivity: L-Band Classic Aero / Swift64

<table>
<thead>
<tr>
<th>SERVICE</th>
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<th>INCLUDED MINUTES (IF APPLICABLE)</th>
<th>NOTE(S)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service Plan - Data</td>
<td>Swift64 ISDN or Swift64 MPDS</td>
<td>Not Applicable</td>
<td>(1), (2)</td>
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<tr>
<td>Service Plan - Voice</td>
<td>Classic Aero (Aero H, H+, or I)</td>
<td>Not Applicable</td>
<td></td>
</tr>
</tbody>
</table>

Notes: (1): ISDN or Integrated Services Digital Network operated in circuit switch mode (2): MPDS or Mobile Packet Data Service operated in packet switch mode

### Constellation: Inmarsat | Connectivity: Ka-Band Global Xpress (GX)

<table>
<thead>
<tr>
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<td>Service Plan - Data</td>
<td>Swift64 ISDN or Swift64 MPDS</td>
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</tr>
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<td>Service Plan - Voice</td>
<td>Classic Aero (Aero H, H+, or I)</td>
<td>Not Applicable</td>
<td></td>
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</tbody>
</table>

Notes: (1): MIR or Maximum Information Rate (2): CIR or Committed Information Rate (3): Down or “Fwd” (i.e., “Forward”) is the movement of data traffic from the satellite providers’ ground network / stations to in-orbit satellites and then from there down to the aircraft’s Satcom terminal (4): Up or “Rtn” (i.e., “Return”) is the movement of data traffic from the aircraft’s Satcom terminal (up) to in-orbit satellites and then from there to the satellite providers’ ground network/stations

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**GoDirect – From Honeywell**

GoDirect is the latest in a century-long line of service innovations from Honeywell Aerospace, a leading force in the air transport, business aviation, and defense and space industries.

Learn more about our one-stop shop for aviation services and apps at GoDirect.Honeywell.com

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**Honeywell Aerospace**

Honeywell Aerospace is a global leader of integrated avionics, engines, surface systems and service solutions for aircraft manufacturers, airlines, business and general aviation, military, space and airport operations. We give you the power to protect and the technology to perform – even in the most challenging environments – while optimizing energy efficiency and product lifespan and increasing the productivity of critical assets in order to minimize maintenance costs.

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