



# Satcom Direct Router (SDR™)







More than a router- it's the connectivity platform for the future

The SDR™ does more so that you can do more, seamlessly. The proprietary Satcom Direct® technology loaded on the SDR makes it more than a Wi-Fi access point; it's the smart solution for your complete connectivity needs.



Available SDR™ optimized apps and features

✦ Exclusively from Satcom Direct

APP/Feature	What	How	Why
 GlobalVT®	App that lets you use your own smartphone, number and caller ID, in flight	Supports voice calls and SMS messaging using your device	Increases your availability and productivity through the use of your phone anywhere in the world or above it*
 SDR™	The SDR app lets you view your live connection status and includes a real-time flight tracker	The SDR detects and indicates which devices are connected in the cockpit and cabin, as well as the position of the aircraft and current trip status	So you are aware of the status of your flight and device connectivity at all times while on board
	Cost-effective GSM connectivity while on the ground, anywhere in the world	The SDR senses when the aircraft is on the ground and seamlessly switches users to 3G service	To reduce cost by using cellular service versus a satellite network, when available
 ACCELERATED BY	Compression and acceleration service that increases data throughput	Compresses and caches data	To allow the maximum amount of information to travel quickly and securely to your device; you get a fast, secure connection which boosts your efficiency
	A dedicated IP address for your aircraft that enables uninterrupted data and VoIP calls, wherever you fly	Data packets are routed via the designated IP address so that connection is maintained as you switch between airborne and terrestrial networks	So you can be productive at every altitude, and the aircraft IP address can be recognized as an extension of your corporate network so that your corporate network security protocols can be applied
	Channel bonding and aggregation services	Aggregates up to four channels together, providing a larger data pipe and delivering speeds up to 1.4 Mbps of throughput	Brings higher bandwidth advanced features to the aircraft like streaming and video conferencing

\*With compatible device, within network coverage.



### Doing business at the speed of flight.

A router facilitates user connectivity onboard the aircraft, enabling laptops, tablets and smartphones to do their jobs so that you can stay productive at every altitude. But not all routers are created equal. The Satcom Direct Router (SDR™) gives you so much more, it's a powerhouse of connectivity. Make and receive calls, text, email, connect to the Internet and stream video, using a combination of the best technology and services available, whenever and wherever you fly.

### The SDR is the multi-network powerhouse.

It automatically selects the preferred connection and keeps it updated continuously. It is loaded with services that compress and cache data, so that you have maximum bandwidth for the transmission of information. The SDR is so smart, that when it senses the aircraft is on the ground, it seamlessly switches from a satellite network to 3G service, maintaining your connection continuously as you switch from terrestrial to airborne networks and back.\*\*

### The SDR is a powerful conduit for aircraft performance data and SD enhanced services.

Because it interfaces with onboard avionics, the SDR can extract operational data from the airplane, including telemetry and position data, fuel indications, operational parameters and more. This SDR also provides the gateway to the full spectrum of Satcom Direct's value-added services for the cabin. The SDR is the key to engaging the most valuable capabilities of SD FlightLogs<sup>SM</sup> and our revolutionary flight operations management platform, SD Pro<sup>SM</sup>.

### And that's just the beginning.

The SDR is the gateway to using your own smartphone in-flight using SD's pioneering GlobalVT®. GlobalVT enables you to use your number and caller ID, and your contact list through all phases of flight from takeoff to landing. The SDR also provides real-time connection status reporting so that you can see how many devices are connected and their usage. You can even monitor your flight path and duration via its integrated flight tracker.

### The SDR was designed for aviation use by aviation experts.

The SDR is loaded with technology, services and support to sustain your mission. It also comes with something no other router can give you — access to the Satcom Direct team. We provide 24/7 technical support at +1 321.777.3236.

### The SDR is more than a router, it's the cutting-edge connectivity platform for the future.

Let it empower your productivity and simplify your world.

## SDR Technical Features

- Satellite ready solution for L-Band, Ku-Band, Ka-Band, X-Band, and ATG communications
- Gigabit Ethernet Support – 8 ports for WAN, LAN and cabin connectivity
- 802.11n Dual-Band (2.4 + 5.0 GHz) Wi-Fi
  - Multiple Wi-Fi network support allows for separate guest and/or VVIP networks
- ISDN Support – 2 ports available
- 3G data support for Internet access on the ground and remote support
- ARINC 429 interfaces for location services and/or avionics monitoring
- Discrete I/O Support – 5 input and 4 outputs available
- AeroXR<sup>SM</sup> allows acceleration, compression, optimization and caching of multiple satellite links

## SDR Specifications

- Size: 10.9"L x 9"W x 3.7"H (27.7cm L x 22.9cm W x 9.4cm H)
- Weight: 8.6 lbs (3.9 kg)
- Power: 28V DC
- Certifications: DO-160G, DO-178B Level E

## SDR Mobile App Includes

- Onboard cabin services
  - Moving map and Flight Tracker
  - Command and control of satellite links
- Real-time connection status reporting

\*\*Within network provider coverage area.