

SwiftBroadBand Updates

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High-speed data service for the Rockwell Collins SAT-906, SAT-6000 and SAT-6100 offer single and dual bi-directional data rate up to 432 Kbps in spot-beam coverage areas.

Your Rockwell Collins SAT-906, SAT-6000 and SAT-6100 provide Aero-H and Aero-H+ communication capability which is ideal for long-range business aircraft requiring continuous, global, high-capacity and high-speed voice/data service.

Now with the Rockwell Collins High-Speed Transceiver (HST-2110B) and your SAT-906, SAT-6000 or SAT-6100 you can take advantage of Inmarsat's Broadband Service.

Email for iPhone, Android, and other Smart Phone functions are available over all Rockwell Collins Swift64 and SwiftBroadBand systems. An additional router is required to facilitate this feature by way of a third party device.

High-speed data capability for Rockwell Collins SAT-906, SAT-6000 and SAT-6100 offers up to two simultaneous channels of bi-directional data service using two HST-2110B High-Speed Transceivers.

The higher rates provide the ability to access e-mail and internet services in the aircraft while maintaining voice/fax channels. The passively-cooled, 2 MCU enclosure of the HST-2110B saves space, weight and power in comparison with competitive solutions. Available inputs/outputs include Ethernet, ISDN, ISDN over Ethernet and EIA232/RS-232, providing the foundation for a wide array of interface options, such as wired/wireless LANs.

Rockwell Collins is proud to offer additional value to your purchase through a limited time offer of **CASP** (Corporate Aircraft Service Program) discounts for both new and existing enrollments. CASP is a premier maintenance and cost management program, which assures maximum aircraft dispatchability, minimum downtime, and reduced life cycle costs.

**Rockwell
Collins**

AIRCRAFT, INSTALLATION, AND OPERATIONAL REQUIREMENTS

Aircraft Requirements

- GPS and IRS or GPS and AHRS are required for SwiftBroadBand position and timing accuracy requirements.
- High Speed Data distribution throughout the aircraft cabin will have to be performed by a Cabin Router/Server. The Cabin Router/Server has to be approved by Rockwell Collins to ensure interface compatibility with the HST-2110B. Approved equipment is as follows:
 - Rockwell Collins Cabin Electronics System Routers (Bombardier Aircraft)
 - Additional Routers/Servers will be available through Rockwell Collins in the future, please contact your Authorized Dealer for an updated list.
- Approved Configurations (Inmarsat Type Access Requirement)
 - SAT-906B with AMT-50 Antenna, HGA-7001 or CMA-2102SB and DLNA (SBB Type A or Type F)
 - SAT-6100B with AMT-50 Antenna, CMA-2102SB Antenna or HGA-7001 and DLNA (SBB Type F only)

Installation Requirements

The following conditions are compulsory for SATCOM systems with dual channel SwiftBroadBand installations. (Conditions do not apply to single channel SwiftBroadBand installations.)

- The installer must complete "On Aircraft Intermod Test Procedure" on EVERY AIRCRAFT. The procedure will be provided by Rockwell Collins.
- RF coax cables, connectors, and antenna mounting plates must be tested to be Intermod Free. Cables can be suggested by Rockwell Collins.
- Antennas and DLNAs must be Inmarsat type access approved to ARINC 781 PIM compliance.

Operational Notes

If the above installation requirements are not followed for approved configurations, Rockwell Collins does not assume liability for problematic operation or disapproved access by Inmarsat.

ARINC SWIFTBROADBAND OPTION

To complement our SwiftBroadBand Hardware upgrade option, Rockwell Collins also offers the ARINC SwiftBroadBand service, an airborne connectivity solution for Commercial, Air Transport, Business Aviation and Government/Military applications based on Inmarsat's SwiftBroadBand service and the ARINC Global Network.

SwiftBroadBand is designed to meet the demand for more bandwidth across all areas of aviation while delivering the same high-quality Inmarsat voice communications. It allows more simultaneous users and more demanding applications, rates can be increased further by using parallel channels and data compression, it supports both IP and circuit-switched applications, and it enables all key cockpit and cabin applications, including telephony, text messaging, email, Internet and intranet access, as well as flight plan, weather and chart updates.

Key features include:

- Simultaneous voice and broadband data
- Contended IP data at up to 432 kbps
- IP data streaming on demand at 32, 64, 128 kbps and higher rate XStream
- GPRS, UMTS, and ISDN compatible
- Currently 1 to 4 channels available
- Stand-alone or simultaneous operation with Inmarsat's Aero H/H+ and Swift64 services
- Compatible with government-grade encryption and secure communications standards Inmarsat-4 satellite technology

Please call ARINC Direct activations 410-299-2299 for additional information.

CASP (CORPORATE AIRCRAFT SERVICE PROGRAM) SPECIAL INCENTIVES

Rockwell Collins is offering a CASP discount program when you take advantage of this Special Pricing Bulletin offer for remaining Rockwell Collins equipment in your aircraft.

For aircraft not currently enrolled in CASP, enroll within 30 days of placing an order for this upgrade and receive a 10% discount on the current CASP prices.

Aircraft enrolled in CASP at the time of order placement will receive a 5% discount on their CASP renewal (in addition to the standard 10% renewal discount).

Key benefits of CASP include:

- > Exchange, rental and repair
- > Reliability upgrades
- > Removal and refit labor reimbursement
- > RVSM annual certification
- > FMC/MDC battery replacement
- > No charge for unused exchange returns
- > Up to five no fault founds without penalty
- > Global priority parts support

For CASP details and existing discounts that may be applicable to your aircraft, contact a CASP representative at 1.319.295.4361 or caspp@rockwellcollins.com. You may also visit [CASP on Rockwell Collins.com](http://CASP.on.RockwellCollins.com). Discounts listed in this bulletin may be combined with all other standard CASP discounts.

Please consult your Rockwell Collins Authorized Dealer for assistance in determining the appropriate SOLUTION to include SwiftBroadBand, as well as the availability and the latest PMA status. For a dual channel system with expanded high-speed data service, which requires two HST-2110Bs, see the section titled Upgrade to Dual Channel.

SOLUTION 1 - For Customers that have SAT-906 and HPA-901 or HPA-901A installed, new equipment is required as well as an upgrade for the SDU. The RFU-900 is retained and not upgraded.

1) New Equipment is required to enable SwiftBroadBand. Order the following items through your Rockwell Collins Authorized Dealer.

Type	Description	Existing Part Number	New Part Number	Qty
HPA-901B	High-Powered Amplifier	HPA-901/901A	822-2577-001	1
HST-2110B	High-Speed Transceiver	N/A	822-2232-010/020 ⁴	1
HCM-2100B	High-Speed Data Config Mod	N/A	822-2248-001	1
Splitter	2-Way Splitter/Combiner	N/A	850-0009-010	1

1A) SDU Upgrade - To enable SwiftBroadBand the SDU must be upgraded at a Rockwell Collins Service Center⁵ or exchanged. For an exchange upgrade, contact Marilyn Miller at 319.295.0580.

Type	Service Bulletin Number	Existing Part Number	New Part Number	Qty
SDU-906-4 or SDU-906-6	SB 508 ^{1,5}	822-0312-150/151	822-0312-500	1
	SB 508 ^{1,5}	822-0314-150/151	822-0314-500	1

SOLUTION 2 - For Customers that have SAT-906, HPA-901A and HST-2100 installed, new equipment is required as well as an upgrade for the SDU and HST(s). The Splitter and RFU-900 are retained and not upgraded.

2) New Equipment is required to enable SwiftBroadBand. Order the following items through your Rockwell Collins Authorized Dealer.

Type	Description	Existing Part Number	New Part Number	Qty
HPA-901B	High-Powered Amplifier	HPA-901A	822-2577-001	1
HCM-2100B	High-Speed Data Config Mod	N/A	822-2248-001	1

2A) SDU and HST Upgrade - To enable SwiftBroadBand the SDU and HST must be upgraded at a Rockwell Collins Service Center⁵ or exchanged. For an exchange upgrade, contact Marilyn Miller at 319.295.0580.

Type	Service Bulletin Number	Existing Part Number	New Part Number	Qty
SDU-906-4 or SDU-906-6	SB 508 ^{1,5}	822-0312-150/151	822-0312-500	1
	SB 508 ^{1,5}	822-0314-150/151	822-0314-500	1
HST-2110B or HST-2110B	SB 502 ^{3,5}	HST-2110 822-2231-010 or HST-2110 822-2231-020	822-2232-010 or 822-2232-020	1

SOLUTION 3 - For Customers that have SAT-906 and HPA-901A and HST-900/HST-2100 installed, new equipment is required as well as an upgrade for the SDU. The Splitter and RFU-900 are retained and not upgraded.

3) New Equipment is required to enable SwiftBroadBand. Order the following items through your Rockwell Collins Authorized Dealer.

Type	Description	Existing Part Number	New Part Number	Qty
HPA-901B	High-Powered Amplifier	HPA-90A	822-2577-001	1
HST-2110B	High-Speed Transceiver	HST-900/2100/2120	822-2232-010/020 ^{4,5}	1
HCM-2100B	High-Speed Data Config Mod	N/A	822-2248-001	1

3A) SDU Upgrade - To enable SwiftBroadBand the SDU must be upgraded at a Rockwell Collins Service Center⁵ or exchanged. For an exchange upgrade, contact Marilyn Miller at 319.295.0580.

Type	Service Bulletin Number	Existing Part Number	New Part Number	Qty
SDU-906-4 or SDU-906-6	SB 508 ^{1,5}	822-0312-150/151	822-0312-500	1
	SB 508 ^{1,5}	822-0314-150/151	822-0314-500	1

SOLUTION 4 - For Customers that have SAT-6100 installed, new equipment is required as well as an upgrade for the SRT,

4) New Equipment is required to enable SwiftBroadBand. Order the following items through Rockwell Collins Authorized Dealer.

Type	Description	Existing Part Number	New Part Number	Qty
HST-2110B	High-Speed Transceiver	N/A	822-2232-010/020 ⁴	1
HCM-2100B	High-Speed Data Config Mod	N/A	822-2248-001	1
Splitter	2-Way Splitter/Combiner	N/A	850-0009-010	1

4A) SRT Upgrade - To enable SwiftBroadBand the SRT must be upgraded at a Rockwell Collins Service Center⁵ or exchanged. For an exchange upgrade, contact Marilyn Miller at 319.295.0580.

Type	Service Bulletin Number	Existing Part Number	New Part Number	Qty
SRT-2100B	SB 504 ^{2,5}	SRT-2100 822-2023-001/002	822-1785-001	1

Optional CTU Upgrade

Aerocom 3000 CTU		350000-10-010000	350000-10-010200	1
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SOLUTION 5 - For Customers that have SAT-6100 and HST-21110 installed, new equipment is required as well as an upgrade for the SRT and HST(s). The splitter is retained and upgraded.

5) New Equipment is required to enable SwiftBroadBand. Order the following items through Rockwell Collins Authorized Dealer.

Type	Description	Existing Part Number	New Part Number	Qty
HCM-2100B	High-Speed Data Config Mod	N/A	822-2248-001	1

5A) SRT and HST Upgrade - To enable SwiftBroadBand the SRT and HST must be upgraded at a Rockwell Collins Service Center⁵ or exchanged. For an exchange upgrade, contact Marilyn Miller at 319.295.0580.

Type	Service Bulletin Number	Existing Part Number	New Part Number	Qty
SRT-2100B	SB 504 ^{2,5}	SRT-2100 822-2023-001/002	822-1785-001	1
HST-2110B or HST-2110B	SB 502 ^{3,5} or SB 502 ^{3,5}	HST-2110 822-2231-010 HST-2110 822-2231-010	822-2232-010 822-2232-020	1 1

Optional CTU Upgrade

Aerocom 3000 CTU	350000-10-010000	350000-10-010200	1
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SOLUTION 6 - For Customers that have SAT-6100 and a HST-900/2100/2120 installed, new equipment is required as well as an upgrade for the SRT. The splitter is retained and not upgraded.

6) New Equipment is required to enable SwiftBroadBand. Order the following items through Rockwell Collins Authorized Dealer.

Type	Description	Existing Part Number	New Part Number	Qty
HST-2100B	High Speed Transceiver	HST-900/2100/2120	822-2232-010/020 ⁴	1
HCM-2100B	High-Speed Data Config Mod	N/A	822-2248-001	1
Splitter	2-way Splitter/Combiner	N/A	850-0009-010	1

New Equipment Sub-Total

6A) SRT Upgrade - To enable SwiftBroadBand the SRT must be upgraded at a Rockwell Collins Service Center⁵ or exchanged. For an exchange upgrade, contact Marilyn Miller at 319.295.0580.

Type	Service Bulletin Number	Existing Part Number	New Part Number	Qty
SRT-2100B	SB 504 ^{2,5}	SRT-2100 822-2023-001/002	822-1785-001	1

Optional CTU Upgrade

Aerocom 3000	350000-10-010000	350000-10-010200	1
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DLNA UPGRADE, REQUIRED FOR ALL SOLUTIONS IF NOT ALREADY INSTALLED⁶

Type	Description	Existing Part Number	New Part Number	Qty
DLNA-2100B	Diplexer (SBB Type F)	DNLA-2100A/B	822-2246-101	1

UPGRADE TO DUAL CHANNEL SwiftBroadBand - Addition of second channel is available for all SOLUTIONS

Type	Description	Existing Part Number	New Part Number	Qty
HST-2100B	High Speed Transceiver	HST-900/2100/2120	822-2232-010/020 ⁴	1
Splitter	2-way Splitter/Combiner	N/A	850-0009-010	1

TERMS AND CONDITIONS

Unless otherwise noted, all programs are valid for orders placed between January 1, 2015 and December 31, 2015 with delivery requested by April 1, 2016.

Warranty period for the new equipment within this program is two years and one year for modified equipment. Standard warranty does not apply to software.

NOTES

1. *For SDU-906s that don't already have HSTs, the SDU will need Service Bulletin #501, #508 and the latest non-500 series SDU-906 service Bulletin.*
 2. *To bring it to the latest software configuration, the SRT-2100 will need to have SB #504 and the latest non-500 series SRT-2100B Service Bulletin.*
 3. *To bring it to the latest software configuration, the HST-2110B will need to have SB #502 and software per Service Bulletin #8 or later.*
 4. *For HST-2110B, order status -010 for DC powered or -020 for AC powered aircraft.*
 5. *To schedule Service Bulletin upgrades, contact Rockwell Collins Service Centers in Seattle, Toulouse or Singapore. In addition to the hardware upgrade, please request the latest software version.*
 6. *It is recommended, however not required, to purchase the DLNA type F from Rockwell Collins.*
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How can we help?

Please call Rockwell Collins Customer Support at 319.295.5000.

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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