



# BOEING 777 IRIDIUM COMMUNICATION SYSTEM

## Rockwell Collins IRT-2110 or IRT-2120

L2 DECREASES AVIONICS MODIFICATION DOWNTIME THROUGH OUR MECHANIC OPTIMIZED INTEGRATION PACKAGES AND KITS.

The Rockwell Collins IRT-2110/2120 Iridium Communication Systems delivers seamless communication services without the inconvenience of hand-offs or no-service areas. The IRT-2110 dual-channel and the tri-channel IRT-2120 communication systems are certified for cockpit communications using a handset, telephone dialer adapter, or MCDU. The IRT-2110/2120 includes a dedicated short burst data (SBD) transceiver exclusively for ACARS communications to provide unrestricted access for the flight crew to air/ground Datalink services.

L2's 777 series FAA STC ST10972SC and PMA installation kit installs equipment at the following default locations:

- LRU and CIM: E15; Kit includes standard blanking plate
- Dual Iridium Antenna: STA 735, STC allows for 60 inches separation from standard 777 GPS antennae locations to meet RTCA DO-262; 36 to 48 inches from other antenna.
- 28VDC Circuit Breaker: P11-1, Position C9

All of L2's antenna installation designs include the use of conductive (aluminum mesh) antenna gasket as a substitute for applying a fillet seal around the base of the external mounted antennas. The advantage of using the gasket means removing and installing an antenna is easier and faster than using Polysulfide sealant which can take eight or more hours to cure.



### **Kit Specifications:**

- Part Number: 2322-B50-K01, FAA PMA
- Installation Kit Weight: 28.2 lbs. including LRUs (dual config)
- LRUs do not need or use rack cooling

### **Approved LRUs:**

- P/N 822-2834-001 (IRT-2110) or 822-2835-001 (IRT-2120)
- P/N 822-2836-001 (ICM-2100) Iridium Configuration Module

### **Antenna Specifications:**

- Dual Iridium/Data Antenna P/N: S67-1575-165
- Weight: 16 oz., Height: 0.88 in., Length: 7.85 in., Width: 3.0 in.

### **Operational Specifications:**

- Cockpit Audio interface via SATCOM capable Audio Selector Panel (ASP) SAT-R.
- Serial Input to Aircraft Interface Device (AID)
- Cockpit Audio control/dialing/directory controlled via dual ARINC 739A MCDUs
- Make and receive calls over the Iridium network provided by up to three ARINC 739A compliant MCDUs
- Incoming call is announced by SELCAL chime and CALL light on ASPs (and interfaced to DFDAU).

Optional Cabin Wireless Handset configuration available

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