

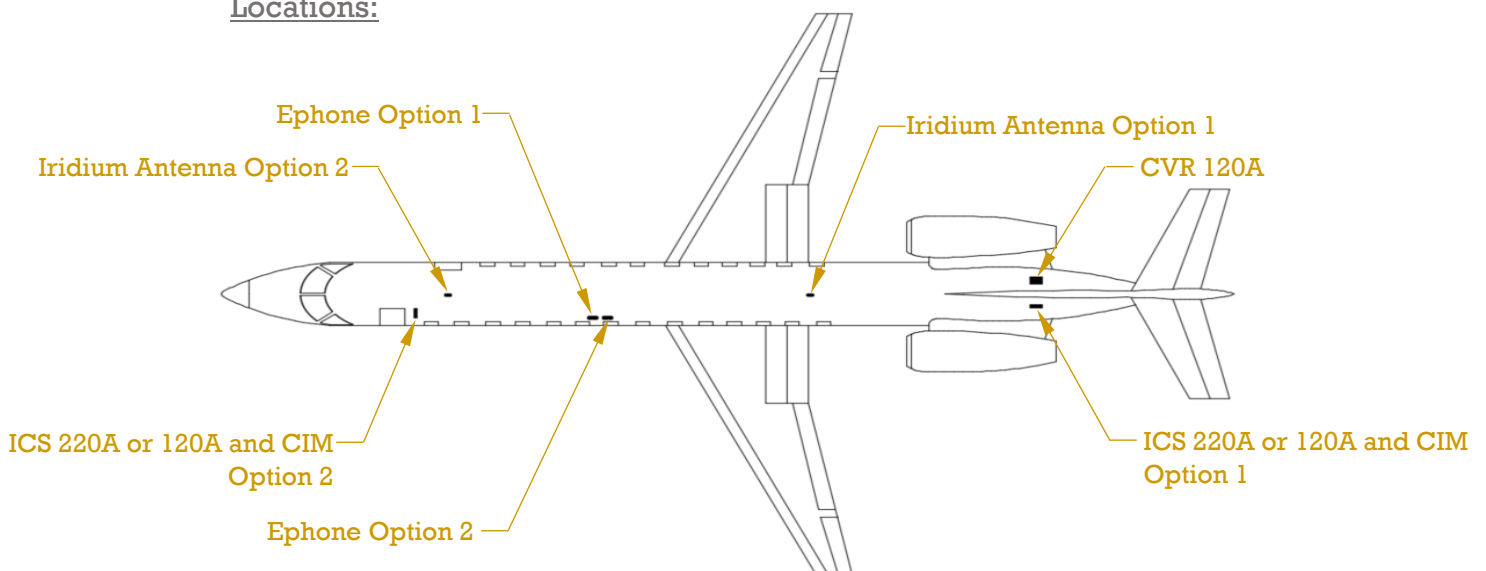
## FANS-1/A Data Link STC Information Sheet

STC# ST04138CH, Embraer EMB-135BJ (Legacy 600/650) aircraft, Please Contact Nextant Aerospace at 216-261-9000 or [engineering@nextantaerospace.com](mailto:engineering@nextantaerospace.com) for STC and Kit Pricing and Availability.

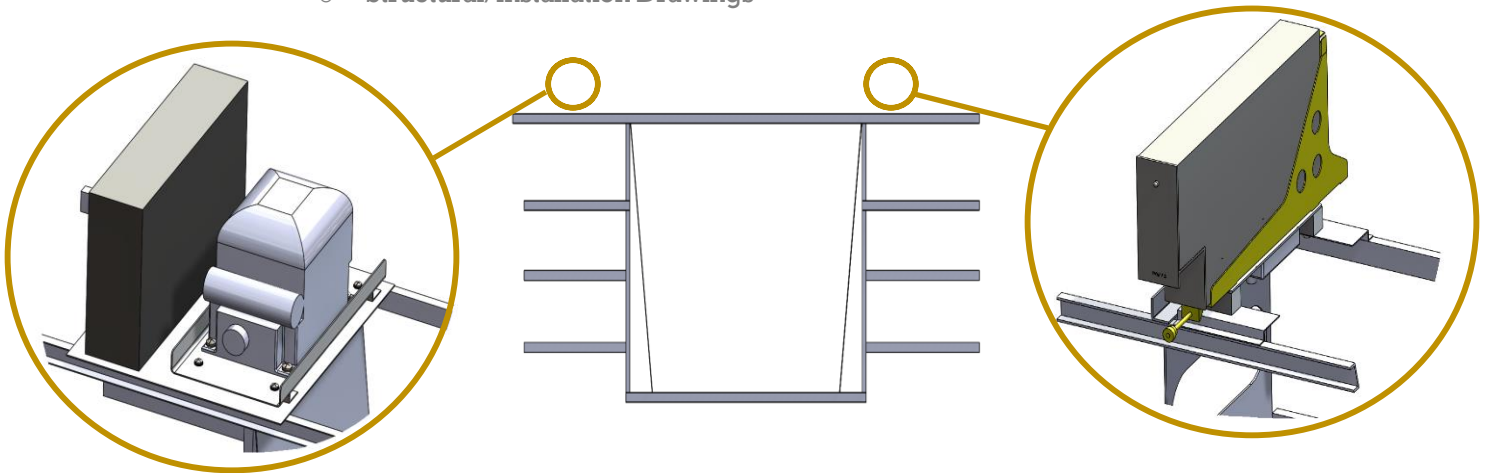
- STC# ST04138CH allows for:
  - Replacement of the existing CVR with a CVR 120A for data link recording.
  - Installation of Datalink Communications System supporting Air Traffic Services (ATS).
    - ICS 120A or 220A\*
    - CVR 120A
    - Iridium Antennas
    - Iridium Filter
  - Upgrade to Honeywell MK-III Communications Management Unit (CMU).
  - Optional Equipment\*:
    - Ephone Handset/Base Unit
    - Iridium/Inmarsat Filters.

Equipment Description	Part number	QTY
ICS 220A Iridium Transceiver (Dual Voice Channel)*	710617-2	1
ICS 120A Iridium Transceiver (Single Voice Channel)*	710617-1	1
Iridium Antenna	S67-1575-409	2
External CIM Reader (CIM)	327000	1
Cockpit Voice and Flight Data Recorder	1606-0X-X	1
CVR Control Unit without Mic	1641-110-01	1
Area Mic	16301-0X	2
Ephone Handset (Optional)	962100	1
Ephone Base Unit (Optional)	962101	1
Iridium Filter (Optional)	500918	2

### Locations:



- STC Data Package:
  - Letter of Authorization (LOA)
  - FAA STC Certificate
  - Master Data List (MDL)
  - Instructions for Continued Airworthiness (ICA)
  - Airplane Flight Manual Supplement (AFMS)
  - Weight and Balance Supplement
  - Electrical Load Analysis (ELA)
  - Wiring Diagrams
  - Structural/Installation Drawings



- Pre-requisite Requirements before the application of this STC:
  - Update Honeywell Mark II CMU by applying and configuring software versions 1.26 or later by accomplishing **Honeywell SB 7519200-23-11** or subsequent service bulletin.  
*\*If owner/operator has existing customized AMI files or cards and upgraded software is to be installed, the owner/operator must obtain updated custom AMI files or cards from their service provider for use with software block 1.26 or later, whichever is being installed. Use these in place of standard Honeywell AMI PCMCIA card supplied with service bulletin\**
  - Ensure FMS Version 6.1 Software is installed by accomplishing **Honeywell SB 7018879-34-0066**.
  - Ensure that the aural warning units are part numbers **80-0694-2-7**, with MOD 4 installed by accomplishing **Honeywell SB 80-0694-33-0004**.
  - Ensure that VNAV/RNP equipment and configuration is installed and configured by accomplishing **Embraer SB 145LEG-34-0032**.
  - Ensure that the GPS system are WAAS-capable by accomplishing **Embraer SB 145LEG-34-0031**.
  - Installing agent must have the capability to transfer IM-600 configuration files to the aircraft. Nextant aerospace has the file transfer apparatus available for rental or purchase, contact your sales representative for further details.

- Kitting Package:

<b>Kit Description</b>	<b>Kit Data List Number</b>
ICS 220A and CIM Installation Kit Option 1	NT1215-KIT0-01
ICS 220A and CIM Installation Kit Option 2	NT1215-KIT0-02
Iridium Antenna Installation Kit Option 1	NT1215-KIT0-03
Iridium Antenna Installation Kit Option 2	NT1215-KIT0-04
Iridium Filter Installation Kit	NT1215-KIT0-05
Iridium Datalink/Satphone Wiring Diagram Kit – Dual Voice Channel ICA-220A	NT1215-KIT0-06
Iridium Datalink/Satphone Wiring Diagram Kit – Single Voice Channel ICA-220A	NT1215-KIT0-07
CVR Installation W/RIPS Kit	NT1215-KIT0-08
CVR Installation W/O RIPS Kit	NT1215-KIT0-08A
CVR Control Unit W/O Mic Installation Kit	NT1215-KIT0-09
CVR Control Unit W/Mic Installation Kit	NT1215-KIT0-10
CVR Replacement Wiring Diagram W/RIPS Kit	NT1215-KIT0-11
CVR Replacement Wiring Diagram W/O RIPS Kit	NT1215-KIT0-12
ePhone Pop Up Cradle Installation Kit	NT1215-KIT0-13
ePhone Docking Station Installation Kit Option 1	NT1215-KIT0-14
ePhone Docking Station Installation Kit Option 2	NT1215-KIT0-15
ePhone Base Installation Kit Option 1	NT1215-KIT0-16
ePhone Base Installation Kit Option 2	NT1215-KIT0-17
Circuit Breaker Installation Kit	NT1215-KIT0-18