

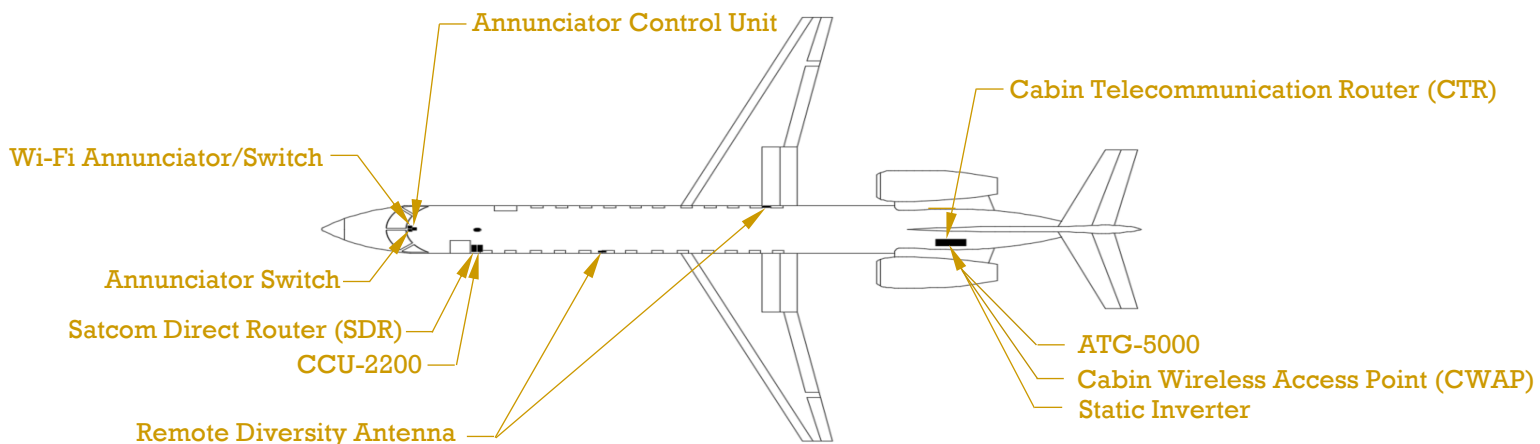
CTR, CWAP, SDR, and WLAN STC Information Sheet

STC# ST03889AT, Embraer EMB-135ER, EMB-135LR and EMB-135BJ aircraft, one time use \$10,000

- **STC# ST03889AT allows for:**
 - Activation of Aircell Axxess Cabin Telecommunications Router (CTR), Cabin Wireless Access Point (CWAP), Satcom Direct Router (SDR), Or EMS CCU-200 Convergence Unit with Wireless Local Area Network Access Point (WAP) activated.
 - Aircraft Configurations:
 1. EMB-135BJ (Legacy 600/650) – Aircell CTR, EMS CCU-220, or Satcom Direct Cabin Routers.
 2. EMB-135ER/135LR – Aircell CWAP Cabin Router.
 3. EMB-135BJ (Legacy 600 s/n 145555 only) – Satcom Direct Cabin Router.

Equipment Description	Part number	QTY	Config #
Cabin Telecommunications Router (CTR)	P12083	1	1
Remote Diversity Antenna	P12344	2	1
Wi-Fi Annunciator/Switch	LED-42-14-ED-E0F69	1	1,2
Satcom Direct Router (SDR)	1233-F-1291-10	1	1,3
SDR Configuration Module	1233-F-2192	1	1,3
Convergence Unit	CCU-220	1	1
Annunciator Switch	58210A4B0C3F8L5N2	1	1
Annunciator Control Unit	MD41-1948(5V)	1	1,3
Cabin Wireless Access Point (CWAP)	P12956	1	2
CWAP Antenna	P12951	2	2
Static Inverter	SPC-5	1	2
ATG-5000 or ATG-2000	15864-001/-002	1	3
Configuration Module	P14126	1	3
ATG Antenna	P12949	2	3

Locations:



- **Cabin Telecommunication Router (CTR) Features:**
 - Provides high speed, in-cabin wireless connectivity for Wi-Fi.
 - Includes a full 802.11 b/g Wi-Fi Hotspot “hot-spot.”
 - When paired with a broadband connection, can be used to operate personal laptops, PDA’s (Personal Digital Assistant) and other Wi-Fi devices.

- **Cabin Wireless Access Point (CWAP) Features:**
 - For aircraft with ATG-5000 and has over 20 simultaneous data users.
 - Must be installed within the pressure vessel.
 - Requires 120 VAC at 400 Hz input power.
 - Uses less than 15 watts of power during operation.

- **Satcom Direct Router (SDR) Features:**
 - Satellite ready solution for L-Band, Ku-Band, Ka-Band, X-Band, and ATG Communications.
 - Gigabit ethernet support.
 - 802.11n Dual Band (2.4+5.0 GHz) Wi-Fi.
 - ISDN support,
 - 3G Data support for internet access on ground and remote support.
 - ARINC 429 interfaces for location services and/or avionics monitoring.
 - Discrete I/O support.
 - AeroXR allows for acceleration, compression, optimization and caching of multiple satellite links.

- **Convergence Unit (CCU-200) Features:**
 - Provides network and telephony connectivity to multiple cabin users.
 - Allows multiple users to make calls and access the internet connectivity via a single wide area network (WAN).

- **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