

*Inteli-Fuse
MFi*



The **INGENIO Bluetooth Audio Receiver** is the most compact, programmable, lightweight, efficient and reliable Bluetooth audio receiver to enable Bluetooth communication with capable Cabin Entertainment Systems. It is purposefully engineered to meet the stringent technical requirements of the aviation industry. It is DO-160G compliant for both fixed wing & rotary aircraft cabin and cockpit environments.

- The **INGENIO Bluetooth Audio Receiver** is a unique aviation grade product, designed to complement functionality of existing Cabin Entertainment Systems on the market. Its primary use is to allow cabin passengers to wirelessly stream audio content, using their Personal Electronic Devices (PED's), to the Cabin Entertainment System cabin speakers.
- Designed and built with Inteli-Fuse technology the **INGENIO Bluetooth Audio Receiver** is self-protected from any power irregularities.
- Inteli-Fuse protection makes the **INGENIO Bluetooth Audio Receiver** very reliable with minimal need for service after any imaginable power hazard situation. Related service costs are therefore held in check.
- The **INGENIO Bluetooth Audio Receiver** is easy to install in seats, cabin monuments and cockpit. Due to its small physical size and weight, it can be mounted on a wide range of fixed points.
- The **INGENIO Bluetooth Audio Receiver** interfaces with any Bluetooth capable PED's, like the latest Apple™ iPhones™, iPad™ Air, iPad™ Pro and iPad™ Mini; Android™ Smartphones and Tablets; MP3 Players and other USB-powered products.
- All these features make the **INGENIO Bluetooth Audio Receiver** a unique product that helps distinguish itself from the competition.

Specifications

Over-Voltage Inteli-Fuse Technology
Input Voltage 10VDC to 36VDC
Input Power 2.5 watts max; 0.1 amps max @ 28VDC
Over-Voltage Inteli-Fuse level 36VDC
Efficiency > 90%
Weight 0.099 lb / 45 g
Width 2.68 in
Length 1.63 in
Height 0.50 in
Integrated Antenna Range ≤ 50ft LOS
Selectable RS232 or RS485 Communication Interface
Bluetooth v4.1 compliant
1.5 Mbps data throughput
128-bit encryption security
LE Proximity Measurement supported
Audio/Video Remote Control Profile (AVRCP)
DO-160G Compliant

Ordering Information

Part Number	-	Part Description
209-5701-001		Bluetooth Audio Receiver

Qualifications

INGENIO Aerospace is approved and licensed by Apple™ for both MFi development and manufacturing of electronic accessories

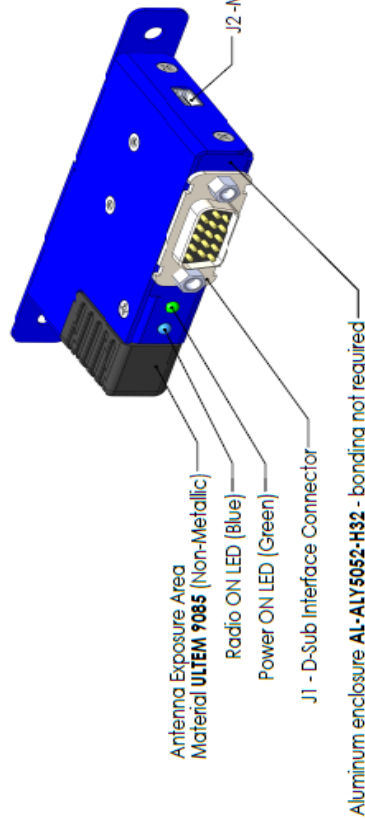
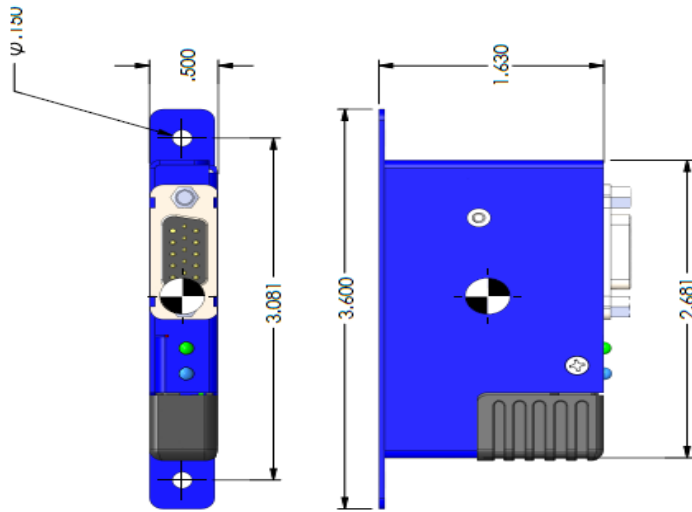
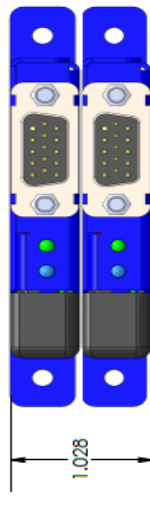


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Cabin Audio Receiver powered by Intel®-Port module
 which is Environmental Qualified RTCA DO160-G
 - A152485(SCC1)(UG)(XXXXXXXXZ)(B)(XX)(BR)(BC)(SMXXXXAX -

Operating Temperature Range -15C to +55C
 Ground Survival temperature Range -55C to +70C

Stacking Method



J1 - D-Sub Interface Connector	
Pin	Description
1	28VDC
9	Reserved
10	Audio Out GND
3	Address_1
11	RS232 Rx /485 D+
4	Audio Out L
12	RS232/485 GND
5	Audio Out R
13	Discrete Out (Connected)
6	Return
14	Discrete In 0 (Mode select)
7	RS232 Tx /485 D-
15	Discrete In 1 (Mode select)
8	RS232/485 Select

Mechanical Drawing:
 Bluetooth Audio Receiver PN 209-5701-001



Note: All dimensions are expressed in inches and drawings are not to scale.