

# Component Specifications

## AD4D-DC Two-Channel Wireless Receiver

### Overview

The AD4D Axient Digital Dual Receiver sets a new standard in transparent digital audio and maximum spectral efficiency. Groundbreaking performance features include wide tuning, low latency, and High Density (HD) mode, ensuring solid performance in the most challenging RF environments. Networked control and signal routing options bring a new level of management and flexibility to your entire workflow. Compatible with all Axient Digital transmitters.

### Features

- Wide tuning range up to 184MHz
- True digital diversity reception per channel for drop-out resistance
- Networked control with Wireless Workbench® and ShurePlus™ Channels app
- Front panel headphone jack enables Dante Cue and Dante Browse monitoring
- Configurable Ethernet switch for redundant Dante digital output
- AES3 output
- Channel Quality meter displays RF signal-to-noise
- Locking AC connectors
- DC module supports redundant power

### Specifications

Dimensions	44 mm × 483 mm × 333 mm (1.7 in. × 19.0 in. × 13.1 in.), H × W × D
Weight	4.6 kg (10.1 lbs), without antennas
Housing	Steel; Extruded aluminum
Power Requirements	100 to 240 V AC, 50–60 Hz; 0.26 A max.
Thermal Dissipation	Maximum: 23 W (78 BTU/hr) Idle: 15 W (52 BTU/hr)
DC Input Voltage Range	10.9–14.8 V DC
Maximum DC Input Current	AD4D: 3.3 A
Protection Modes	Overvoltage, Undervoltage, Reverse Polarity
4-Pin XLR	Pin 1: Negative; Pin 2: No Connection; Pin 3: No Connection; Pin 4: Positive

### Audio Output

Gain Adjustment Range	–18 to +42 dB in 1 dB steps (plus Mute setting)
Configuration	1/4" (6.35 mm): Transformer-coupled Balanced (Tip=audio, Ring=no audio, Sleeve=ground) XLR: Transformer-coupled Balanced (1=ground, 2=audio +, 3=audio -)
Impedance <i>Typical, XLR Line out</i>	100Ω
Full Scale Output <i>200 kΩ load</i>	1/4" (6.35 mm): +8 dBV XLR: LINE setting= +18 dBV, MIC setting= –12 dBV
Mic/Line Switch	30 dB pad
Phantom Power Protection	Yes

### Networking

Network Interface	10/100 Mbps, 1 Gbps, Dante Digital Audio
Network Addressing Capability	DHCP or Manual IP address
Maximum Ethernet Cable Length	100 m (328 ft)

### Cascade output

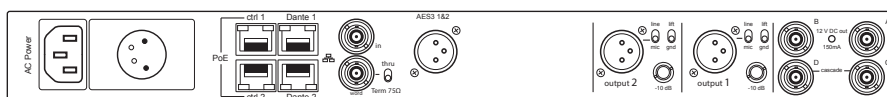
Connector Type	BNC <i>Note: For connection of one additional receiver in the same band</i>
Configuration	Unbalanced, passive
Impedance	50 Ω
Insertion Loss	0 dB, typical

### RF Input

Spurious Rejection	>80 dB, typical
Connector Type	BNC
Impedance	50 Ω
Bias Voltage	12–13.5 V DC, 150 mA maximum, per antenna, switchable on/off
RF Carrier Frequency Range <i>Model-dependent</i>	AD4D=A: 470–636 MHz AD4D=B: 606–810 MHz AD4D=C: 750–960 MHz



AD4D Dual-Channel Receiver Front Panel



AD4D Dual-Channel Receiver Rear Panel



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