

Single-Channel 48V Phantom Power Supply



Features

- Provides phantom power for one microphone
- Highly regulated power supply provides a constant voltage source, even with a heavily loaded input
- Regulator IC is internally protected to prevent overheating even if shorted
- XLR-type inputs and outputs
- AC line-powered
- Rugged steel housing provides shielding from electrostatic interference

Description

The Audio-Technica AT8801 provides 48V phantom power for a single microphone and allows the use of remote-powered microphones with systems that do not supply phantom power. Powered by AC line voltage, the AT8801 includes a plug-in power module that attaches to the electronics module with a 1.8 m (6') cable. The unit features a highly regulated power supply which provides a constant voltage source, even with a heavily loaded input. The regulator IC is internally protected to prevent overheating or damage even if shorted. The rugged steel case is finished in enamel and provides shielding from electrostatic interference.

The AT8801 will adequately supply phantom power to the microphones connected to it via XLR-type connectors; additional phantom power (from a mixer or other source) is unnecessary, and is not recommended. For optimum phantom powering, an uninterrupted line must exist between the phantom supply and the microphone; no filters or transformers should be present.

Specifications

Number of channels	1
Regulated output voltage	48V $\pm$ 2V DC
Short circuit output current	14 mA
Residual output noise	-71 dBV
Frequency response	10-25,000 Hz
AC Input	AT8801: 100-120V AC, 50-60 Hz, 2 W max. AT8801/EU: 230V AC, 50 Hz, 2 W max. AT8801/UK: 240V AC, 50 Hz, 2 W max.
External power supply	AT8801: UL and CSA-approved AC power module with 6' (1.8 m) cable. AT8801/EU: CE and TUV-approved AC power module with 6' (1.8 m) cable. Input: Two 4 mm dia. pins, 19 mm apart (CEE 7/16 "Europlug") AT8801/UK: CE and TUV-approved AC power module with 6' (1.8 m) cable. Input: Three-pin BS 1363 connector for UK/Ireland
Dimensions	130.0 mm (5.12") W x 60.0 mm (2.36") D x 44.0 mm (1.73") H, typical

In the interest of standards development, A.T.U.S. offers full details on its test methods to other industry professionals on request.

Specifications are subject to change without notice.

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