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WHEN MEASUREMENTS MATTER

AeroX Audio 105
Audio Controller

Flexible and Rugged

Allows digital voice file transmission over analog audio equipment

Overview

The AeroX Audio™105 is an audio controller that allows digital voice files to be transmitted over analog audio devices, such as ground-to-air radios. The controller also enables users to append audio messages for transmission through multiple audio inputs and outputs.

Benefits and Features

❯ Five external line return (XLR)/3.5 mm jack analog output channels that provide 600-ohm balanced audio output

❯ Five independent push-to-talk (PTT), volt-free, normally open/normally closed relay contacts to control VHF radio transmitters and other devices, software allowing

❯ XLR/3.5 mm jack for analog audio input that allows audio recording from VHF/UHF receivers and many other analog audio sources

❯ Support for a handheld PTT microphone on the front panel for manual recording of audio messages

❯ Ability to configure multiple AeroX Audio 105 controllers for use in a hot, standby, redundant configuration

❯ Terminals for the integration of runway or helipad lights for Radio Operated Lighting Control (ROLC)

❯ Flexible power input: 115/230 Vac and/or 11 to 24 Vdc

❯ Voice modem included for voice broadcast via a telephone line (also known as Public Switched Telephone Network [PSTN])

Detailed Description

The AeroX Audio 105 enables digital voice files to be transmitted over analog audio devices, such as VHF/UHF radio, Air Traffic Control (ATC) tower audio systems, legal recorders, and many other analog audio devices. The audio controller also enables the transmission of standardized reports, such as a Meteorological Terminal Air Report (METAR), to end users via spoken words. The AeroX Audio 105 is a component of the larger Campbell Aero™ Automated Weather Observing System (AWOS) and is designed to work exclusively with Campbell Aero for aviation weather purposes.

For comprehensive details, visit: **www.campbellsci.com/aerox-audio105**

Specifications

Operating Temperature Range	❱ −20 to +70°C (−4 to +158°F) ❱ *The display limits the operational temperature range to −20 to +70°C, but a heater fitted on the display back can increase that range.*
Humidity Range	0 to 100% RH, non-condensing
Case Material	Aluminum
Mount	2U rack mount

Power Requirements	❱ 80 to 264 Vac @ 25 W typical, 40 W maximum, 50/60 Hz ❱ 11 to 24 Vdc @ 25 W typical, 40 W maximum
Front Panel Width	48.3 cm (19.0 in.)
Front Panel Height	8.9 cm (3.5 in.)
Case Dimensions	27.9 x 43.2 x 8.1 cm (11.0 x 17.0 x 3.2 in.)
Weight	3.5 kg (7.7 lb)

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