



AMBIENT NOISE SENSING MODULE

V2270



Figure 1: Ambient noise sensing module V2270

Description

The ambient noise sensing (ANS) module V2270 is one of the VARIZONE digital speaker system (DSS) bus components. The V2270 has the following functions:

- Sensing of the ambient noise level via a microphone
- Transmission of the measured ambient noise level values to the VADIS frame via the DSS bus

The control management software Media Control analyzes the measured values and arranges for the adjustment of the level of the audio data to the measured ambient noise level.

The V2270 is installed, addressed and operated via a docking station. The docking station must be ordered separately.

The sensing of the ambient noise level is carried out with an electret-condenser microphone. The microphone is delivered with and installed via the docking station.

Features

- DSS bus device
- Power supply of the ambient noise sensing module via the DSS bus
- Pre-amplifier for the microphone
- Easy installation, exchange and addressing of the ANS module via a docking station
- Easy connection of the ANS module to the docking station via a card edge connector
- Status LED for the ANS module on the docking station

Specifications

V2270

Connectors	34-pin card edge connector, male for the connection of the module to the docking station
Supply voltage, V _s	+48V typ., bus voltage
Current consumption, I _A (max.)	350mA @ bus voltage = 48V typ.
Measurement range	±40dB @ a signal-to-noise-ratio between signal and ambient noise between -15dB and +10dB

Microphone connection

Phantom power	24V
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Headphone connection

Resistor load 8 Ω:	
Total harmonic distortion & noise	2% typ. @ P _o = 150mW, 20Hz - 20kHz
Signal-to-noise-ratio	100dB typ. @ P _o = 150mW
Resistor load 32 Ω:	
Total harmonic distortion & noise	0.4% typ. @ P _o = 60mW, 20Hz - 20kHz
Signal-to-noise-ratio	100dB typ. @ P _o = 150mW

Ambient temperature limits	0° C min., 50° C max. for the operation of the device
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Dimensions	Depth: 140.2mm / 5.51" Height: 41.2mm / 1.62" Width: 132.1mm / 5.2"
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Weight	460 grams typical
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Technology by KLOTZ DIGITAL

Specifications subject to change without notice



1601 JACK MCKAY BLVD. / ENNIS, TEXAS 75119 U.S.A.
TELEPHONE: (800) 876-3333 / FAX (800) 765-3435

AtlasSound.com