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AudioMate 360r for LMR Interoperability

An affordable IP gateway for Unified Group Communications

VoiceInterop presents the AM360r adapter panel as a cost-effective IP gateway between your 2-way Land Mobile Radios and your IP communication network. No matter what frequency your conventional or trunked two-way LMR system operates on, the AM360 provides an affordable and flexible link.

All Frequencies and Bands

Because the AM360r connects to your existing radios, it does not matter what band or frequency they operate on. The hidden benefit of this is that you do not need to buy new radios, just enhance and extend what you already have. No "forklift upgrade" is necessary to interoperate with other systems.

Goodbye Leased Lines

The AM360r extends basic local control functions to the soft console operating over your IP network. Stop paying monthly fees for leased lines to your radio sites. Instead, your existing IP network that connects to the radio site allows you to leverage what you already pay for. Just make it do more.

Simple to Interface

A few simple connections to your radio bring a new world of possibilities, allowing your radio users to talk to your dispatchers wherever they might be on your network. Built-in web configuration allows you to select PTT and COS polarity, receive and transmit pre-emphasis, and other important settings. Never touch a jumper or warm up a soldering iron. An RJ-45 jack provides an E&M interface, or use the 5-pin inline connector for signalling and single-ended audio interface.

Minimal Network Bandwidth

The use of multicast audio streams allows many dispatch consoles to participate in your radio network without multiplying the bandwidth consumed. A selection of industry-standard voice CoDecs digitize and compress your voice and send it via widely-used RTP (Real-Time Protocol).



Patent pending.

AudioMate and AM360 are trademarks of VoiceInterop. iDEN is a trademark of Motorola, Inc. Other trademarks are those of their respective holders.

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WWW.VOICEINTEROP.COM

VoiceInterop

AM360r Specifications

Physical	
Dimensions	1.75 in. (4.5 cm) H x 3.6 in. (9.2 cm) W x 5.2 in. (13.2 cm) D
Weight	0.8 pounds (0.4 kg)
Electrical	
Input Voltage	12 Volts d.c. nominal, 16 Volts d.c. max., 10 Volts d.c. min.
Input current	350 mAmps nominal
Audio Interface	
Line input, balanced	0 dBm nominal, +10 dBm max. @ 600 Ohms (E&M port)
Line input, single-ended	2.2 Volts peak-peak nominal, 5 Volts peak-peak max. @ 10K Ohms
Line output, balanced	0 dBm nominal, +10 dBm max. @ 600 Ohms (E&M port)
Line output, single-ended	2.2 Volts peak-peak nominal, 5 Volts peak-peak max. @ 100 Ohms
Digital i/o	
Outputs	PTT, 18 Volts @ 500 mAmp max., open drain; active hi or low, selectable
Inputs	COR, high > 2.5 Volts (18 Volts max.); user-selectable active high or low
L.A.N.	10/100-BaseT Ethernet RJ-45 port
Serial	USB-mini diagnostic port
Digital audio	
CoDecs	G.711 µ-law 64kbps, G.711 A-law 64kbps; (future: Speex 8kbps, GSM 6.10 (13kbps)
Environmental	
Operating temperature	0 to +50 Centigrade
Storage temperature	-20 to +60 Centigrade
Miscellaneous	
Indicators	Activity: OK, Link, Tx, Rx, Mic, Ear, ANI, DTMF
Features	Firmware upgrade over Ethernet; web browser configuration screens (no jumpers); telnet diagnostic output, USB diagnostic and base configuration utility
Ports	4-wire E&M RJ-45; 5-pin inline for single-ended audio and digital i/o; LAN RJ-45; 12 Volt coaxial jack; USB-mini for diagnostics

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We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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