

## AudioMate 360r for LMR Interoperability

### An affordable IP voice gateway for Unified Communications

VoiceInterop presents the AudioMate 360r IP voice gateway as a cost-effective IP gateway between your 2-way Land Mobile Radios and your IP voice communication network. No matter what frequency your conventional or trunked two-way LMR system operates on, the AudioMate 360 provides an affordable and flexible link to interoperability.

#### All Frequencies and Bands

Because the AudioMate 360r 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

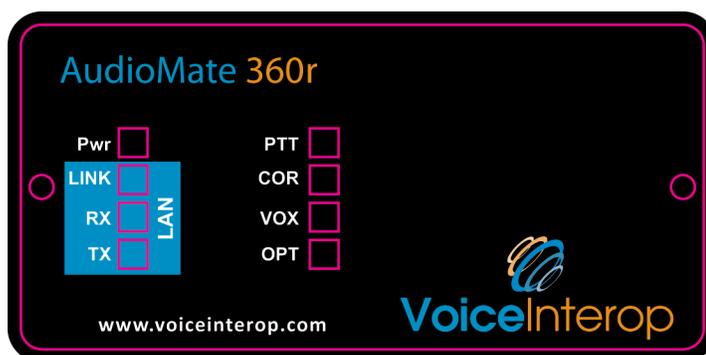
The AudioMate 360r extends basic local control functions to the soft console operating over your IP network. Stop paying monthly fees for leased lines to your radio sites. Instead, your existing IP network that connects to the radio site allows you to leverage what you already pay for. Just make it do 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 located anywhere on your network. Built-in web configuration allows you to select PTT and COS polarity, receive and transmit audio levels, and other important settings. Never touch a jumper or warm up a soldering iron. Connection options provide for signalling and single-ended or balanced audio interfaces.

#### Minimal Network Bandwidth

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



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## AudioMate 360r Specifications

<b>Physical</b>	
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)
<b>Electrical</b>	
Input Voltage	12 Volts d.c. nominal, 10 Volts d.c. min., 16 Volts d.c. max.
Input current	350 mAmps nominal
Connectors	Coaxial jack, 2.1mm i.d., 5.5mm o.d.; Mate-N-Lok for daisy chain
<b>Audio Interface</b>	
Line input, balanced	0 dBm nominal, +10 dBm max. @ 600 Ohms; balanced RJ-45 port
Line input, single-ended	2.2 Volts P-P nominal, 5 Volts P-P max. @ 10K Ohms; on 5-pin Dinkle jack
Line output, balanced	0 dBm nominal, +10 dBm max. @ 600 Ohms; balanced RJ-45 port
Line output, single-ended	2.2 Volts P-P nominal, 5 Volts P-P max. @ 100 Ohms; on 5-pin Dinkle jack
<b>Digital I/O</b>	
Outputs	PTT, 12 Volts @ 500 mAmp max., open drain; user-selectable active high or low; on 5-pin Dinkle jack
Inputs	COR, high > 2.5 Volts (18 Volts max.); user-selectable active high or low ; on 5-pin Dinkle jack
L.A.N.	10/100-BaseT Ethernet RJ-45 port
Serial	USB-mini B diagnostic port (factory use only)
<b>Digital audio</b>	
CoDecs	G.711 $\mu$ -law 64kbps, G.711 A-law 64kbps, GSM 6.10 (13kbps)
<b>Environmental</b>	
Operating temperature	0 to +50 Centigrade
Storage temperature	-20 to +60 Centigrade
<b>Miscellaneous</b>	
Indicators	Activity: Power, Link, Tx, Rx, PTT, COR, Vox, Option
Features	Firmware upgrade over Ethernet; web browser configuration screens (no jumpers)
I/O ports	Dinkle secured 5-pin inline for digital controls and single-ended audio
Certification	FCC Part 15 industrial compliance
Robustness	Designed and tested to withstand lightning, transients, overload, and overvoltage.

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