

# IDA

*The Way for 2-Way*

## **Manage Your Yesterday's & Tomorrow's Radio Network Investments with One Magic Box!**

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Radio Control • IP Communication  
Asset Tracking • Custom Engineering

# IDA

# **Revolutionary Remote Control Technology**

## **Model 24-69 VTR**

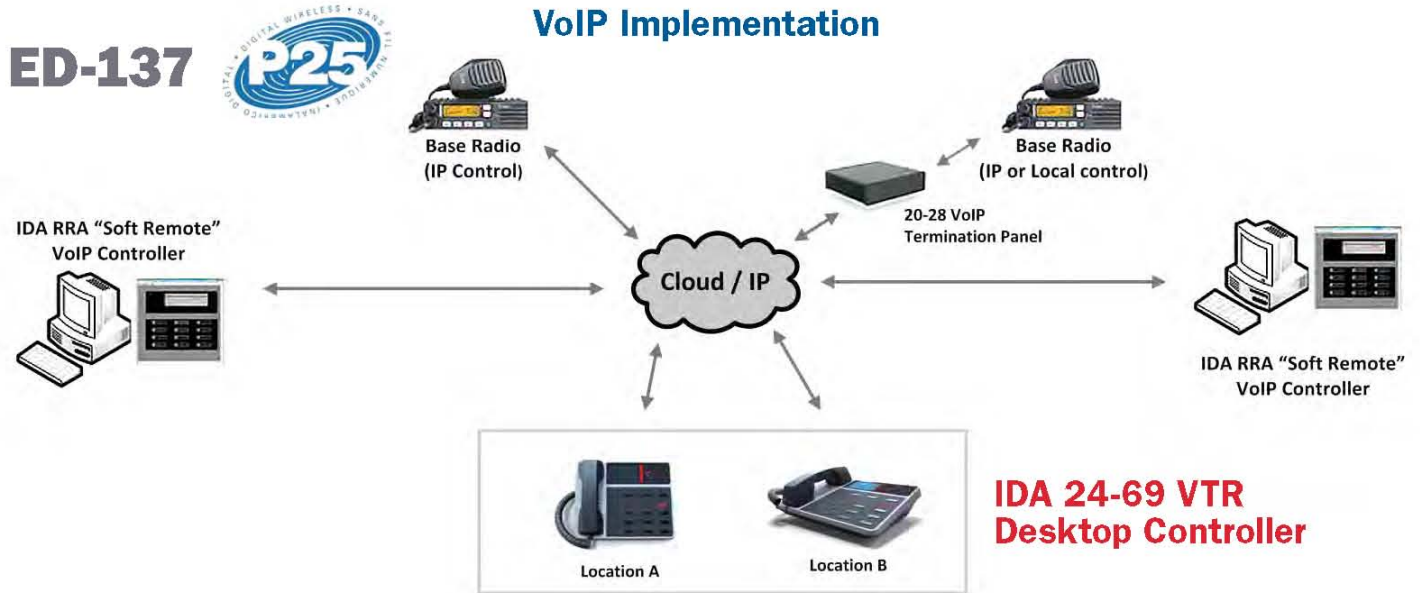
### **VoIP Tone Remote Desktop Controller**

**Cost-effectively control both analog and digital radios using a single controller**

**VoIP Tone Remote (VTR) Desktop Controller** is a path-breaking remote control platform to manage both analog and digital radio networks. Model 24-69 draws upon 36+ years of engineering expertise of IDA in developing one of the world's finest remote control technologies to manage your mission-critical operations by protecting your investment in analog networks. IDA took the core, highly reliable and proven functionalities of our Model 24-66 VoIP and our Model 24-67 Tone remote controllers respectively and fused them to engineer a single, powerful integrated desktop remote control technology. This eliminated the need for our clients to deploy two separate remote controllers to manage their analog and digital networks thereby providing cost savings and stress-free manageability of future network infrastructure. Being IP centric, VTR not only facilitates management of local analog / conventional networks, but also ever expanding IP network deployments across different locations and different sites within these locations. VTR has been engineered to be interoperable with all different industry-standard protocols to offer seamless control and manageability across diverse networks.



# Implementation Scenarios



## Analog Tone Implementation



# Model 24-69 VTR

## Features and Functionalities

- Field programmable by web browser
- Handset or desk mic options and comes with Alpha-numeric display
- Controls up to 99 channels with facilities for intercom, mute, clock, Parallel TX indicator and VU meter
- 110 or 15 Volt operations with USA and European power supply options
- Includes most of the standard and optional features of IDA Model 24-66 VoIP and Model 24-67 Tone Remote Controller.



## Specifications

	<b>Additional Tone Specifications</b>
Input voltage..... 15Vdc @ 1000mA, 24 Watt Wall Transformer, 2.1 x 5.5 mm barrel conn. Center (+)	Line impedance (1 KHz).....600 ohms (TX), 600 or 5K ohms (RX)
Current consumption @ 15Vdc.....450 mA (TX), 800 mA (RX), 400 mA (STBY)	Line audio output (600 ohm load).....-20 to +10 dBm
Standby voltage.....15 Vdc	TX hum & noise (ref +11 dBm).....-55 dBm
Temperature range.....0 to +60 C	RX hum & noise.....-47 dB (ref 0 dBm)
Relative humidity.....90% @ 50 C	Threshold of compression.....-20 dBm adjustable (line to speaker audio)
Speaker audio output.....3W into 4 ohms	RX Compression.....With an audio increase of 30dB beyond the start of compression the output increases less than 3 dB
Distortion (at rated speaker output).....<3%	TX Compression..... With an audio increase of 30dB beyond the start of compression the output increases 15 to 16dB
Frequency response.....+1, -3DB (300 to 3000 Hz)	Line Control.....2 or 4 wire
Weight.....4 lb. 15 oz.	Notch filter depth.....-45 dB (RX) -25 dB (TX)
Dimensions.....4.75" (h) x 8" (d) x 10" (w)	<b>Additional VoIP Specifications</b> DSP Firmware..... Provides the following standard CODEC algorithms: G.711, G.723.1, G.726

\* Enclosures vary depending on the availability