

RRA VOIP RADIO REMOTE APPLICATION

The RRA software application uses **VOICE over IP** technology and your PC to provide Remote Control of your base station radio.

Building on IDA Corporation long time leadership in base radio remote control products for the Land Mobile Radio industry the RRA VoIP Radio Remote software allows REMOTE CONTROL via an Ethernet LAN or internet. The internet might be composed of one or more Ethernet LANs, WANs, or the World Wide Web.

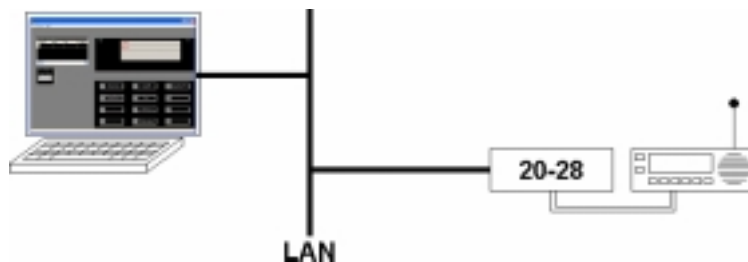
Running on a simple PC with a standard microphone and sound card, the RRA software offers nearly the same feature set as the MODEL 24-66 VOIP Desktop Remote Controller. Installation requires using the IDA Corporation Model 20-28 VOIP Termination Panel as the interface at the remotely located base station radio. Model 20-28 VOIP information is included on the back of this product sheet.

OVERVIEW

The basic function of voice over IP (VOIP) radio control system is to allow a private mobile radio base station to be controlled from a remote location. The system consists of a base station radio, a termination panel and a remote control device. The remote control device could be a desktop controller, a communications console or in this case a PC running the RRA VoIP Radio Remote Application. The termination panel connects to the base station radio and provides direct control of the radio based upon control signals from the PC. The termination panel also has access to the base station radio's receive and transmit audio which is passed to and from the PC with RRA. The termination panel and the PC are connected by means of an IP network. This system allows the user at the PC to change the current radio channel and select other radio functions in much the same way as can be done directly at the radio. The user at the PC can also carry on voice conversations with mobile radio users through the base station radio.

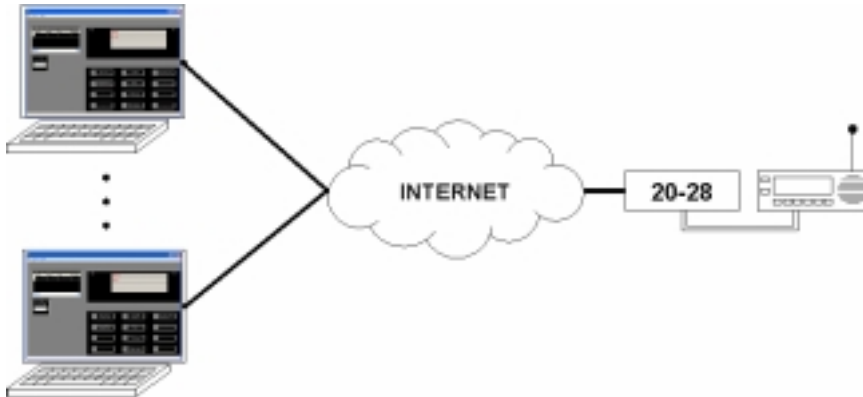
BASIC SYSTEM

The PC and the termination panel are connected via an Ethernet LAN.



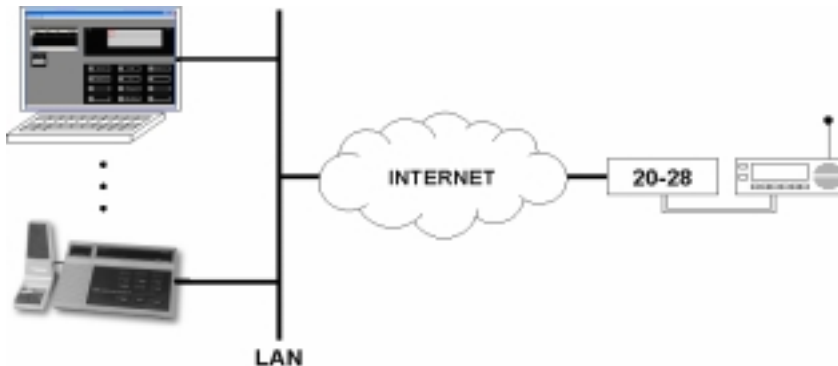
EXTENDED SYSTEM

Here multiple PC's with RRA software applications connect to the panel across an internet creating multiple remote control points or workstations. The internet might be composed of one or more Ethernet LANs, WANs, or the Internet.



MIXED REMOTE CONTROL DEVICES

In some cases it may be desirable to have both MODEL 24-66 VOIP Desktop Remote Controllers and PC's with RRA software as part of the same VOIP radio remote system. An extended system consisting of both MODEL 24-66 VOIP's and PC's with RRA operating across a combination of networks is shown.



MODEL 20-28 VOIP Termination Panel

Designed for use with the VOIP RRA software and/or the MODEL 24-66 VOIP desktop controller the MODEL 20-28 VOIP interfaces to remotely located base station radios or repeaters. Based on proper control signals received the MODEL 20-28 VOIP directly controls the radio by either binary or serial control.

Local Option

For installations where local operation of the base station radio is desired, the MODEL 20-28 VOIP is available with desk microphone, speaker jack and volume control. (Option RTM-604)

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