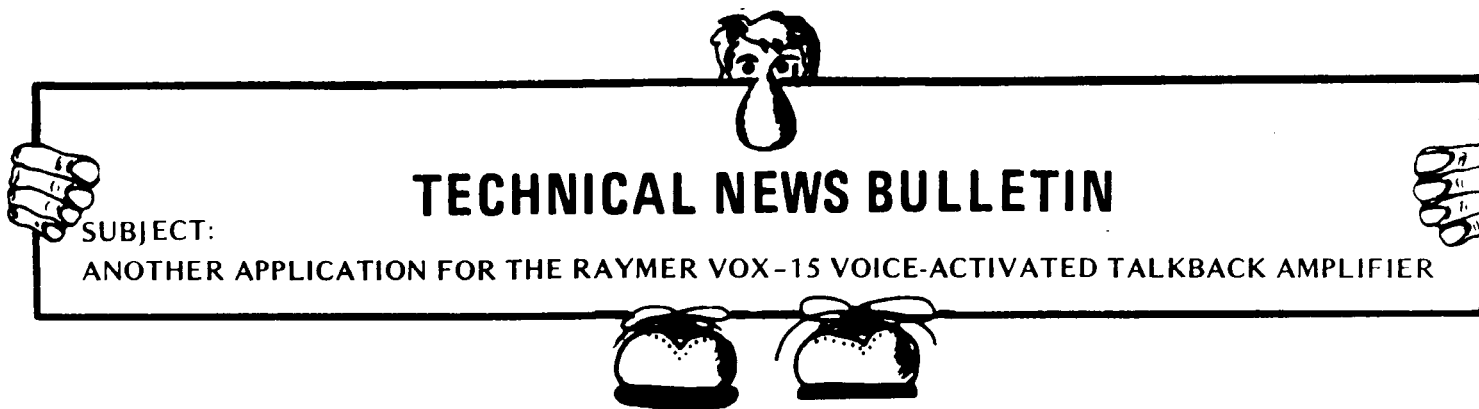




**University
Sound[®] Inc.**
a MARK IV company

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SUBJECT:

ANOTHER APPLICATION FOR THE RAYMER VOX-15 VOICE-ACTIVATED TALKBACK AMPLIFIER

There are times when a sound unit is designed to fit a particular situation and then is found to be very useful in another application entirely different from the original. Such is the case with the Raymer VOX-15 Voice-Activated Talkback Amplifier for telephone systems. Initially designed for use in warehouses where it is desired to have the warehouseman answer a telephone without having to leave his work and go to a telephone handset (he does so by talking or yelling back into the loudspeaker from which he is paged — totally hands-free), the Raymer VOX-15 is now being used very effectively instead of accepted intercommunication systems for communication to closed entrance gates at factories or estates.

The advantage of using the telephone system with the Raymer VOX-15 are readily apparent. Since factories or mansions already have dial-access or button (key) telephone systems installed, the sound installer has no wiring work to do in the building. Also the telephone company will provide the connection for joining the Raymer VOX-15 to the telephone system already installed. All that is necessary for the installer to do for communication to the gate is to place a small trumpet speaker at the entrance gate and connect the speaker to the output of the VOX-15 with a two-wire cable. (Also a buzzer switch should be installed at the gate with a buzzer or bell in the building so as to inform that there is someone at the gate.) After the buzzer or bell is sounded, someone in the building will pick up his phone and talk to the gate — the person at the gate then talks into the trumpet speaker, which automatically places the building telephone in a listening position — when the gate finishes talking, the relay in the VOX-15 returns the telephone to its original capability of either speaking or listening.

Such an installation is made quickly and easily with minimum labor cost. For further information on this unusual piece of equipment or any other item in the Raymer line, please make it a point to call on us — at any time.



MODEL VOX-15 VOICE ACTIVATED TELEPHONE TALKBACK AMPLIFIER.

Model VOX-15 is a solid state paging amplifier with a voice activated relay. The combination of a VOX-15 and speaker or speakers when used in place of a telephone set in a private exchange provides "hands free" talkback in telephone systems where loudspeaker communication is required. Model VOX-15 is recommended for warehouse and shipping locations as well as production or assembly line areas where there is no high ambient noise. It is not recommended for use in locations such as auto body shops or machine shops. The input to the VOX-15 from the telephone circuits may be made through a standard PAX or Switchboard connection such as "Dial Access" or "Com Line Access". The output of the amplifier is 15 watts at 25 volts for use with a 25 volt speaker line or a 45 ohm paging/talkback speaker. Horn speakers should be used for best results. Model VOX-15 has separate front panel controls for the speaker and phone volume. A screwdriver adjust control on the rear panel permits adjustment of the turn-off delay in the relay circuit. This delay circuit allows the relay to stay activated during short pauses in speech. Circuit breaker protection. Rack mounting with RPK-6 rack panel kit.

Specifications. Power Output: 15 watts RMS into speaker. **Output Impedances:** 45 ohms, 25 volt line. **Frequency Response:** 300Hz - 3KHz, contoured to meet telephone line requirements. **Input:** 500/600 ohm telephone line. **Semiconductors:** 11 transistors, 11 diodes, 1 LED. **Controls:** 1 Phone Volume, 1 Speaker Volume, 1 Delay Time. **AC Power 120 Volts 60Hz:** 30 watts. **Size:** 12-3/8" x 8-1/4" x 3-1/8". **Shipping Weight:** 8 lbs.