



- Combines miniature microphone and transistor remote amplifier in convenient hand-held package
- Speech output level of +6 V.U. sufficient to feed phone lines direct
- Self-powered by small mercury battery
- Plug-in earphone for checking performance and receiving "cue" over phone line
- Wide-range frequency response

Microphone-Amplifier, Type BN-10A

Description

The RCA Type BN-10A comprises a single channel remote amplifier to which has been added a miniature dynamic microphone to produce a compact microphone/remote amplifier easily held in one hand. The unit weighs less than a pound and is completely self-contained including its transistor amplifier and battery power supply. The +6 V.U. output of the microphone/amplifier is more than adequate for feeding telephone lines.

The BN-10A affords broadcasters a lightweight unit capable of handling single microphone remotes without the use of large remote amplifiers. The BN-10A is ideal for interviews, sports announcements, on-floor convention reports, and other remote broadcast uses. A built-in earphone jack makes it easy to hear telephone line cues as well as monitor the BN-10A output.

The microphone used in BN-10A equipments is RCA's Type BK-6B personal microphone designed for correct speech balance. The BK-6B has a frequency response of 80 to 12,000 Hz and it has semi-directional

characteristics. The microphone chamber is completely sealed and isolated from the amplifier section to assure optimum performance of the microphone.

The built-in amplifier employs transistors. The circuit is designed for very low battery drain thus securing about 50 hours of service from the single E-134 mercury battery which is easily inserted in the BN-10A. The distortion of the amplifier is less than 2 percent for normal output. The amplifier itself has

a frequency response of ± 1.5 dB from 50 to 15,000 Hz.

A 30-foot line cord for connection to the phone line is supplied as well as a lightweight earphone. The earphone plugs into the base of the BN-10A. The battery is automatically turned on whenever the line cord is plugged into the BN-10A. The body of the BN-10A is finished in a low luster gray enamel. A convenient carrying case which accommodates microphone/amplifier, cord and earphone is also supplied with the BN-10A.

Specifications

Frequency Response (System)	80-12,000 Hz
Distortion	2% maximum
Output Level (for normal speech)	+6 V.U.
Load Impedance	600 Ohms
Line Cord	30 ft. flexible, with cannon plug
Overall Dimensions	11 $\frac{3}{4}$ " long by 1 $\frac{1}{8}$ " dia. 29.84 cm long by 2.86 cm dia.
Weight	14 oz. (0.4 kg.)
Finish	Low luster gray
Battery	Eveready E-134

Ordering Information

Type BN-10A Microphone/Amplifier complete with 1 cord and plug, 1 E-134 battery, 1 carrying case, and 1 EarphoneMI-11023-A