

With the base of the Plus Three removed, part of the preamplification circuit board and controls are visible.

Not all CBers are aware that the 4-watt maximum legal output of their CB transceiver is heavily affected by the input from the unit's microphone. The fact is, in many

cases, the radio is not transmitting full legal power due to insufficient modulation. If it seems your CB is not "getting out" as well as it should, chances are a power mike is the simple solution to your problems.

Modulation varies from person to person, the size and acoustics of the room the transmitter is in, and the distance a person talks from the microphone. This is where a preamplified mike can save the day. The man of the house, with his big, booming voice, should use a lower setting on the microphone's gain control. The little woman, with her soft, feminine voice, needs much more amplification. And this is why Turner makes its preamp mikes with an easily accessible variable gain control.

**BASE MICROPHONE:
TURNER Plus Three**

Using a ceramic element in conjunction with a speech compression circuit to assure even output level regardless of varying mouth-to-microphone distances and uneven speech characteristics, the Turner Plus Three comes in a rugged diecast body with a hammer-tone gray finish accented by black controls.

The amplifier is powered by a 9-volt transistor radio battery, which is easily installed from the bottom of the mike base. A switch in the underside of the base permits the microphone to be used with transceivers which utilize either relay or electronic switching.

Readily accessible controls on the top of the base include a Push-

DIFFERENT VOICES REQUIRE DIFFERENT AMOUNTS OF PREAMPLIFICATION, AND THE ADJUSTABLE GAIN CONTROL ON TURNER MICROPHONES ASSURES THE CAPABILITY OF FULL MODULATION WITHOUT DISTORTION

TURNER PREAMPLIFIED MICROPHONES— BASE AND MOBILE

The Turner Plus Three base and the Model M+3 mobile pre-amplified microphone will give full modulation on nearly any transceiver.



to-Talk bar, a Volume knob, and a switch to Lock the transmitter on for extended transmissions.

The Volume knob controls the transistorized pre-amp circuit for a gain of 0 to Minus 23 db, and the exclusive Turner Modu-Guard compression circuit allows full signal modulation without concern for over-modulated distortion or adjacent channel interference. The output impedance is 5,000 ohms, and the frequency response is from 300 to 3500 Hz for best voice reproduction characteristics. The low battery drain of 1.2 ma will give approximately six months of normal use service life, and the 3-conductor-plus-shield coiled cord will permit the mike to be used with any CB set by simply attaching your own plug as

explained in the complete instruction book supplied with each microphone. The installation instructions give detailed directions for use with over 400 different transceivers.

TURNER MODEL M+3

The Model M+3 is a transistorized mobile microphone designed for use with relay-switching transceivers. The Model JM+3 should be used with sets that switch from transmit to receive electronically.

The compression amplifier provides 15 db of gain over conventional hand-held ceramic microphones, and has the capability of

fully modulating any transceiver.

The M+3 is powered by a 7-volt mercury battery which gives an average-use life of about six months, and a slide-actuated gain control on the back of the mike enables it to be set properly for full modulation without over modulation.

The M+3 has a frequency response of 300 to 3500 Hz, and the ceramic element is unaffected by extreme temperature and humidity conditions.

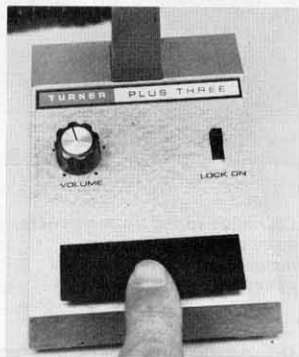
The coiled cord is only 11 inch-

(Continued on page 40)

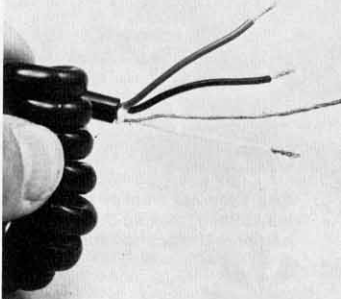


A slide switch in the base of the Plus Three permits the mike to be used with either electronic or relay switching transceivers.

A slider on the M+3 controls the amount of preamplification desired.

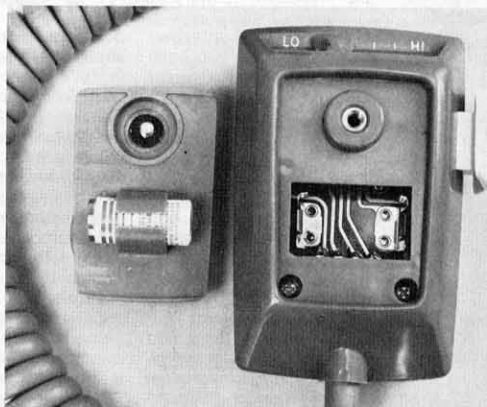


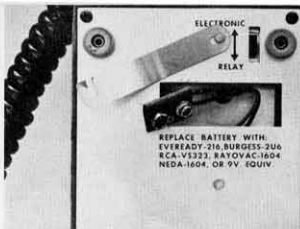
A Push-To-Talk bar, a volume control knob, and a switch to lock the microphone on for extended transmissions are among the features of the Plus Three base microphone.



Three leads plus shield permits the microphones to be wired for nearly any CB radio.

A seven-volt mercury battery gives an average of six months service in the M+3. Part of the preamplification circuit board may be seen below the battery compartment.





REPLACE BATTERY WITH:
EVEREADY-216, BURGESS-2U6
RCA-VS323, RAYOVAC-1604,
NEDA-1604, OR 9V. EQUIV.

The Plus Three is powered by a standard 9-volt transistor radio battery held in place by a clip beneath the microphone base.

TURNER

(Continued from page 31)

es retracted, and extends to a full five feet for easy mobile use. It contains three leads plus a shield so that it may be used with nearly any transceiver

The M+3 is designed to be held about 1/4-inch from the mouth during use, as this distance seems to be the most natural for mobile communications. At this distance, much of the background noise is minimized or eliminated. The mike comes in an attractive two-tone blue Cyclac case that is both attractive as well as able to withstand day-to-day abuse and temperature variations.

TURNER PLUS THREE SPECIFICATIONS

- CARTRIDGE TYPE Ceramic
- OUTPUT LEVEL Max. output -23 db, adjustable (0 db = 1 volt per microbar)
- OUTPUT IMPEDANCE 5000 ohms
- FREQUENCY RESPONSE 300 to 3500 Hertz
- BATTERY DRAIN 1.2 ma (approx. 6 months normal use service life)
- BATTERY TYPE 9 volt included Burgess 2U6, Eveready 216, Ray-o-vac 1604 or RCA VS-312)
- SWITCHING Adapts to relay or electronic
- CABLE 3-conductor, 1 shielded, coiled with black PVC jacket
- WEIGHT 2 lbs. without cable
- PRICE \$52.00

TURNER M PLUS 3 SPECIFICATIONS

- CARTRIDGE TYPE Ceramic
- IMPEDANCE 1,000 ohms
- OUTPUT LEVEL -42 db adjustable (0 db = 1 volt per microbar)
- AMPLIFIER VOLTAGE GAIN 0 to 15 db
- FREQUENCY RESPONSE 300 to 3,500 Hertz
- BATTERY TYPE 7-volt mercury type included (Mallory TR-175)
- SWITCHING M+3 relay JM+3—electronic M+3SP—wired for Johnson and other transceivers needing 6-wire cable
- CABLE M+3 and JM+3 —3-conductor, 1 shielded, coiled cord with blue Hypalon jacket M+3SP—5-conductor, 1-shielded coiled cord with black rubber jacket
- PRICE \$40.00

ADDITIONAL INFORMATION AVAILABLE FROM:
Turner Conrac, Dept. CBG
909 17th Street N.E.
Cedar Rapids, IA 52402

