COMMUNICATION MICROPHONE

NC-80

NSTRUCTION MANUAL

FEATURES

cation equipment. The MC-80 is designed for use with a wide range of communi-

vided. The silver and dark gray colors of the microphone UP/DOWN frequency switching and a preamplifier are promatch other communication equipment.

BEFORE OEPRATION

I. Power supply

power is required for operation. Since the MC-80 uses an electret condenser microphone,

(1)Obtain four (4) common "AA" cells. (2) Remove the lid as shown in Fig. 2. Install the batteries observing correct polarity. Replace the lid.

(3) After the batteries are installed, place the POWER switch ON and verify that the LED lights.

2. Connection to transcaiver the instruction manual for necessary wiring details. 8-pin MIC connector. Fig. 3 shows the connection beconnection of the plug, or a different type plug. Refer to equipment other than Kenwood may require either rejack requires an optional adapter plug. Connection with the microphone to a transceiver with 4-pin or 6-pin MIC tween the transceiver and the microphone. Connecting As shown in Fig. 1, the MC-80 has a standard Kenwood

3. Operation

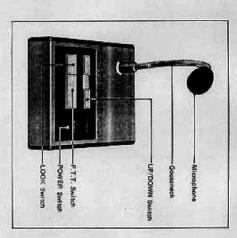
to show the mic is operating. Furning the POWER switch on lights the POWER ON LED

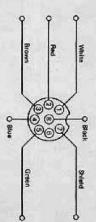
(1) Volume adjustment

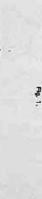
is located at the rear of the mic stand panel A potentiometer to control the sound output level

the factory. For normal operation, use this setting. A -50 dB setting (approx. 3.3 mV output) is preset at Adjusting the POT varies the output from 0 to 10 mV.

Transceiver of an- other manufacturer the wirl adapter	TR-7200/7500 series TS-120/130 series TS-820/530 series TS-820/830 series	TR-9700/8400 series 6 pin	TS-430, TS-930 TM-201, TM-401 TS-860, TW-4000 TS-780	Transceiver Mic jack
Refer to the transcelver owners manual: change the wiring or use an adapter.	Use MJ-84 edapter.	Use MJ-86 adapter.	Adapter not needed, Direct.	Mic connection
		11 - xx	Use 4 "AA" betterles.	Foreir supply







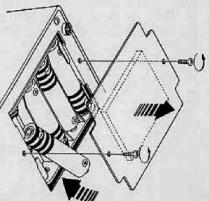


Fig. 2 Battery installation

(2) PTT and LOCK switch operation

transmission. The transmit mode remains ON after the switch is used for relatively long transmissions. switch is used for rapid OSO exchanges. The LOCK from the transmit mode to receive mode. The PTT switch is released. Depressing the switch again switches reception. Depressing the LOCK switch once allows the switch returns operation from transmission to PTT switch depressed allows transmission and releasing Use the PTT or LOCK switch to transmit, Holding the

(3) VOX operation

by your voice is called VOX (voice operated transmit) Switching from the receive mode to the transmit mode operation.

ceiver and turn on the MC-80 power. VOX-equipped. For VOX operation, set up the transupon whether the transciever or transmitter used is Whether or not the VOX operation is possible depends There is no need to touch the PTT or LOCK switch

the receive mode. Usually, a relay is used in the transstop speaking, the transceiver automatically returns to the associated transceiver to transmission. When you instruction manual. For VOX operation details, refer to the transceiver tion, Relay "click" may be heard from the transceiver ceiver for switching between transmission and recep-Speaking into the microphone automatically switches when switching from transmit to receive or vise-versa.

(4) Modulation level

ceiver instruction manual. transceiver MIC level control, referring to the transthe transceiver and operating conditions. Adjust the optimum modulation level may vary depending upon times result in reduced clarity. For normal operation, phone, speaking close to the microphone may somemaintain 10-15 cm distance to the microphone. The Since the MC-80 employs an electret condenser micro-

(5) Output impedance

communications equipment: The following are typical impedance of Kenwood

all equipment types. VHF & UHF equipment HF equipment The MC-80 is set for 680 ohms so it can be used with ************ 500 ohms 50k ohms

(6) UP/DOWN switch operation

UP/DOWN switches are not used. phone. For equipment without remote tuning, the mic system can be controlled from the UP/DOWN micro-Equipment having a remote UP and DOWN tuning

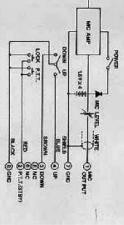


Fig. 3. MC-80 block diagram & min plug connection

PRECAUTIONS

- Do not disassemble or otherwise modify the mic assembly. or the original mic characteristics may be altered.
- The microphone is delicate. Be sure not to jar or shock the microphone element.
- 3. Ensure that power is turned off when the mic is not used 4. When the battery voltage drops due to depletion, the
- Replace the battery for these indications. power output will drop and distribution may occur.

SPECIFICATIONS

Power supply Batteries 6V (1.5 V x 4) 1 V/_# bar, 1,000 Hz) Sansitivity (0 dB = Output impedance ... Frequency characteristic . 200 ~ 7,000 Hz (± 6 dB) Sensitivity when shipping - 50d8 ± 6 dB .. -40 dB ± 6 dB (VR MAX.) Omnidirectional electret cond enser. Approx. 700 ohms ± 30% at 1,000 Hz

Weight 700 g than 500 hours) (Batteries can be used more

Current comsumption

.. Approx, 10mA

(Batteries not supplied)

TRID-KENWOOD CORPORATION
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KENWOOD BLECTHONICS, N.V. KENWOOD COMMUNICATIONS, SMBH COMMUNICATIONS

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