

Fig. 3 MC-85 Block diagram & mic plug connection

5. Additional output cables (Fig. 4)

For connection to more than one transceiver, optional cables with 4, 6 and 8-pin plugs are available. For output cable connection, refer to Fig. 3.

The MC-85 is supplied with a standard PG-4F (8 pin) mic cable. For radios with a four pin mic connector, use a PG-4D (4 pin) option cable. For radios with a six pin mic connector, use a PG-4E (6 pin) option cable.

6. VOX operation

For VOX operation, there is no need to touch the PTT or LOCK switch. Make sure power is ON. The general operating procedure is as already described. However, if the compressor is on back ground sound other than voice may switch the transceiver into the transmit mode. To prevent this, be careful of the mic level setting. During VOX operation, the PTT and LOCK LEDs do not light.

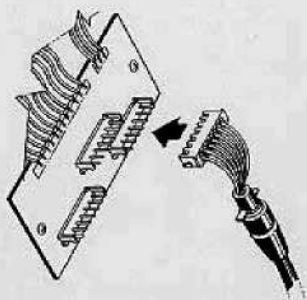


Fig. 4. Additional output cable

■ PRECAUTIONS

1. Do not disassemble or otherwise modify the assembly, or the mic characteristics may be altered.
2. 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. Maintain a distance of 10 ~ 15 cm to the mic to ensure best clarity. If the mic is "close-talked", clarity may drop.
5. When the compressor is in operation, applying an extreme sound pressure (for example, speaking loudly into the mic, or tapping the mic unit) may instantaneously reduce the output power. This is not a fault.
6. When the battery voltage drops due to depletion, the power output will drop and distortion may occur. Replace the battery.

■ SPECIFICATIONS

MC output impedance	Unidirectional, electric conductive
Output impedance	Approx. 700 ohms at 1,000 Hz
Sensitivity (0 dB = 1 V/100 1,000 Hz)	MIC LEVEL MAX
COMP. OFF	-40 dB \pm 6 dB
COMP. IN	-34 dB \pm 6 dB
Frequency characteristic	
NORMAL	300 ~ 7,000 Hz (\pm 6 dB)
LOW CUT	Approx. -12 dB at 300 Hz
Audio Level Compression	
MAX. Compression level	35 dB \pm 3 dB
MAX. Input level	-30 dB \pm 4 dB
Power supply	
Batteries 6V (1.5 V \times 4 "AA" cells ... not supplied)	
Battery life greater than 400 hour, estimated	
Current consumption	Approx. 11 mA (transmit mode)
Dimensions (mm) & Weight	
17.7W \times 55 (2.0)H \times 157 (1.8)D, 1 kg (2.2 lbs)	
[Figures in { } include projections.]	

