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Philmore CM43 Microphone

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CM43 CB DYNAMIC MOBILE MICROPHONE

The Philmore Model CM43 is a quality microphone in a shockproof case, well suited to mobile applications. It uses a superb 600 ohm dynamic cartridge. A push-to-talk switch is provided to activate the relay or electronic circuitry in a transmitter, transceiver, or PA amplifier.

WIRING INSTRUCTIONS

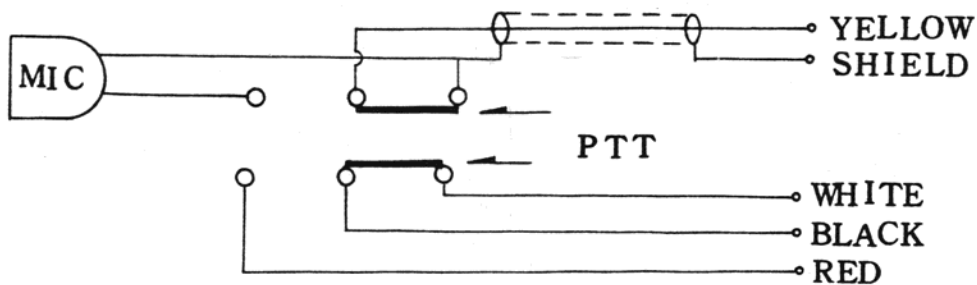
If your transceiver uses a relay for switching from the receive to the transmit mode, connect the BLACK lead to either terminal of the relay activating circuit. Connect the RED lead to the remaining terminal. If there is only one terminal for activating the relay, connect the RED lead to chassis ground.

If your transceiver uses electronic switching, please note that switching circuits used in various pieces of equipment differ from each other. Lead connections from the microphone to the equipment depend upon the particular switching circuit in your transceiver. Switching circuits can conveniently be divided into the two groups described below. Choose the group that best describes the circuit used in your transceiver, and make the indicated connections from the microphone.

1. On some transceivers, a circuit must be completed only when the push-to-talk button on the microphone is pressed. If this is the case with your equipment, follow the wiring instructions under relay switching, detailed above.
2. Some transceivers must have one circuit completed when the push-to-talk button is not pressed and a second circuit completed when the push-to-talk button is pressed. Should your equipment require these connections, connect the BLACK lead to the common terminal of the switching circuit on your transceiver. If there is no common terminal, the BLACK lead is usually connected to chassis ground. The WHITE lead is then connected to the terminal on your equipment used to complete the receiver circuit. (On some units, this is one of the leads from the loudspeaker, while on other units it may be the ground return to the receiver electronics. In a third group of equipment, the WHITE lead must be connected to both the speaker and the receiver electronics.) The RED lead is connected to the terminal used for completing the transmitter circuit.

Now connect the YELLOW lead to the microphone audio input terminal on the transceiver and connect the SHIELD lead to the microphone ground or chassis ground terminal. Disregard all unused leads, cutting them flush with the end of the cable.

CM43 DIAGRAM



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