

RF-3045B
REMOTE CONTROL
SYSTEM – AUDIO



The RF-3045B Remote Control System provides remote transmitter keying, audio modulation, and reception of received audio signals. Intercom (order wire) with ring-down signaling is also provided between the local and remote operators. The RF-3045B permits two-wire remote audio control of most HF and VHF tactical transceivers up to a distance of 5 km (3.1 miles).

Visual and audio signals alert the operators. When an operator is not immediately available, the call light remains on until the handset push-to-talk button is depressed.

A single BA-5590, BB-390, or BB-590 battery supplies power, while a built-in amplifier and speaker provide three watts of audio output. Built-in self-test verifies connection between local and remote units. Either operator can check battery condition at local and remote locations.

RF-3045B units may be paralleled for multiple remote control positions. The number of remote units in parallel depends upon the length of the two-wire line to the local unit.

The RF-3045B is compatible with the AN/PRC-117 Series, the Falcon® and Falcon® II Series, and most currently deployed HF/VHF/UHF military tactical transceivers.

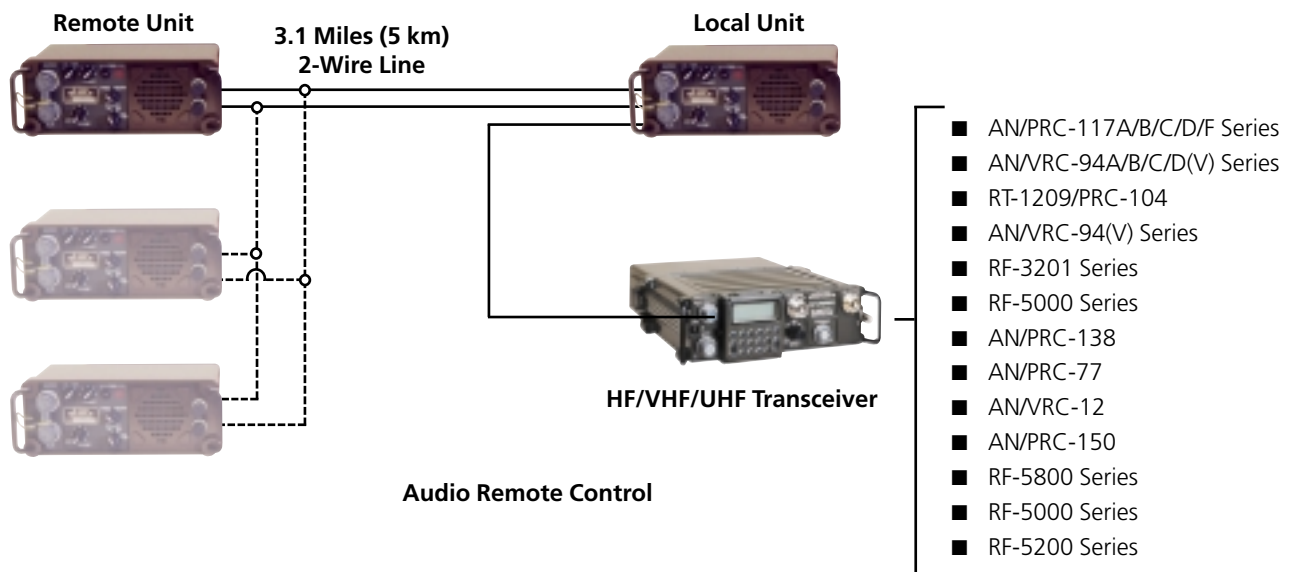
MIL-SPEC design and construction of the RF-3045B Remote Control System guarantees continuous high performance and reliability under the most demanding field conditions. It is designed for maximum protection from shock, vibration, humidity, immersion, and heat extremes.



General

Remote Audio Control Functions	Transmitter keying Receiver audio Intercom (order wire) Ring down signaling Call light/tone Volume control Speaker ON/OFF 3-Watt audio 2-wire circuit test Low battery voltage level check
Control Distance	Up to 5 km (3.1 miles)
Power Supply	12 VDC, from BA-5590, BB-390, BB-590 battery (not included)
Temperature Range	-40° to +70° C
Shock/Vibration)	MIL-STD-810B
Immersion	3 ft. of water
Humidity	MIL-STD-810B
Size	3.25H x 8.625W x 10.2D in 8.125H x 21.56W x 25.7D cm
Weight	Single unit with handset and w/o battery: 4.25 lb (1.9 kg)
Consists of	RF-3045B Remote Control Unit includes battery box, handset, interconnecting cable to radio, carrying bag, instruction card, and instruction manual

Typical RF-3045B Remote Extension Applications



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