

# PANTHER FIRE C.A.T. SYSTEM

## PORTABLE CROSS BAND REPEATER



The Panther Fire C.A.T. System is the ultimate Portable Cross Band Repeater. It features ICOM 2-way Radios that are configured as a command post or a fully functioning Cross Band Repeater.

A Control Panel mounted on the outside of the case allows the Commander to transmit on VHF, UHF, or both. Speakers mounted at the other end of carrying case allow clear reception of both UHF & VHF frequencies. Unique mounting of these speakers allows the speaker grills to double as air intakes for the cooling fans. These cooling fans are mounted directly under the Final Amplifier Cooling Fins of the radios to provide airflow during the operation of the Repeater. These fans are activated when the Repeater Enable Button is depressed and run continuously until the Repeater is deactivated. A built-in Battery Condition Indicator continuously monitors the level of charge 17-19 Amp Hour Internal Battery. When the Internal Battery reaches 66% discharged, a graphic indicator display indicates this with an audio beeper signal and flashing L.E.D. The Beeper can be silenced, but the flashing L.E.D. cannot be turned off. When the repeater is powered on an alternate power source the L.E.D will extinguish the flashing indicating that the Fire C.A.T. System

is on auxiliary power and the internal battery is being charged. The Fire C.A.T. System can be carried using a built-in shoulder strap or a carrying handle. In this configuration, the unit can be used as a Command Post only, since the cooling fans cannot be operated with the cover closed. The cover provides an efficient ground plain and the ability to use ¼ Wave Antennas or Helix Antennas (Portable Radio Antennas). Removing the Antennas will allow the connection of Coaxial Cable to the system with a conventional PL-259 Connector. This will allow Cross Band operation during subway fires and emergencies.

The case cover is very unique since it has a detent that opens to 20 degrees allowing access to the radios while being carried, to change channels or adjust the volume and when the case is closed the Antennas are again placed in a vertical position. When the case is opened for repeater operation, the cover is pushed past this detent, locking it in the full opened position, again positioning the Antennas vertical.

Auxiliary power can be provided to the Repeater from an external 12 Volt source or a 120 Volt source which will power an external 12 Volt power supply to operate the Repeater and charge the battery. A cigar lighter cable will allow the repeater to be powered from a 12 Volt vehicle.

The ICOM Radios are available in 4 and 32 Channels, Low and High Power 35 & 55 Watts VHF- 25 and 45 Watts UHF.

Specifications subject to change without notice 12-02-02

Patent applied for



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