

## TN730 ET-5 Transportable Tactical Radio System

The ET-5 transportable tactical radio system is mounted in a compact watertight polyethylene case. Any Codan MT-4E receiver and transmitter can be mounted inside for repeater configurations. The ET-5 supports analog and transparent P25 digital (clear or secure) repeat capability.



The ET-5 includes the following:

- internal mounting frame for MT-4E receiver and transmitter.
- soft grip handle and press and pull latches.
- interface connectors for RF and power inputs.
- LED indicators for receive, transmit and power indication.
- internal duplexer mounting capability.
- USB type A to right angled 5 pin mini-type B programming cable (CBLC44-20904200)
- two switches to control the power input configuration (internal / external).

The ET-5 transportable tactical radio system can be powered by:

- a standard alkaline D-Cell battery pack (holding 16 batteries).
- a 10.5 Ah rechargeable lead acid battery.
- an external 12 Vdc power source (connector is located on the outside of the case).

**TN730 ET-5 Transportable Tactical Radio System**

The transportable radio case is 14.2" (36.1 cm) wide, 11.4" (29.0 cm) high and 6.5" (16.5 cm) deep, and weighs 20 lbs. (9.07 kg) fully equipped with batteries installed.

Frequency band	RF Power Output	Internal duplexer frequency separation
Highband VHF	0.5 - 6.0 Watts	≥ 4.5 MHz separation
400 MHz UHF	0.5 - 6.0 Watts	≥ 5.0 MHz separation
700 MHz UHF	0.5 - 3.0 Watts	≥ 30 MHz separation
800 MHz UHF	0.5 - 3.0 Watts	≥ 45 MHz separation
900 MHz UHF	0.5 - 3.0 Watts	≥ 24 MHz or ≥ 39 MHz separation

\* The RF power output of the Highband VHF and 400 MHz UHF transmitter is rated at a maximum of 6.0 Watts when installed in the ET-5 case (typical power output of these transmitters is 8.0 Watts).

Typical battery capacity (@20% duty cycle with 6.0 Watts RF power output):

16 alkaline D-Cells batteries	19 hours
internal 10.5 Ah lead acid battery	20 hours
external 35 Ah lead acid battery	52 hours

The ET-5 operating temperature is rated at -20°C to +50°C when using the internal batteries. When using the external battery, the operating temperature is rated at -30°C to +60°C.

The ET-5 is rated for 100% continuous duty operation.

The ET-5 case with the inside panel removed is shown in Figure 1. This shows how the MT-4E receiver and transmitter are mounted inside of the ET-5 case.

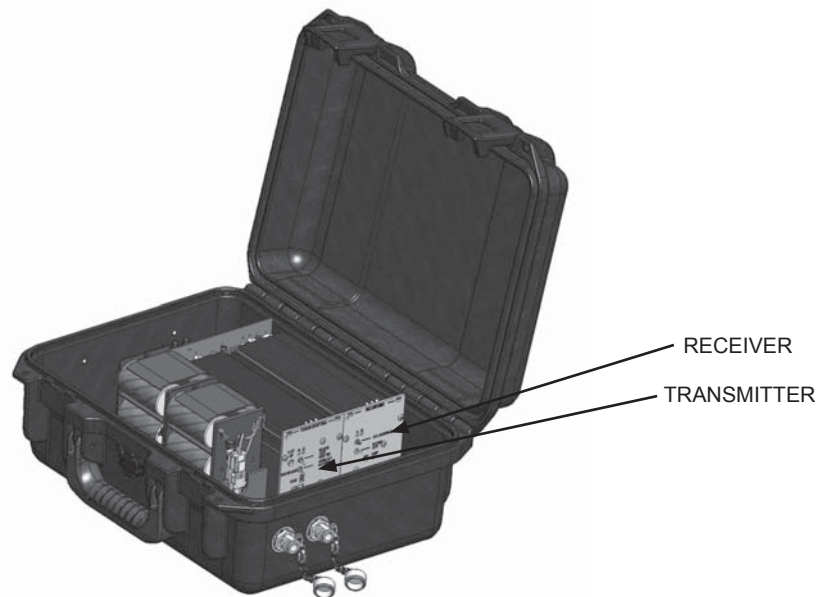


Figure 1: ET-5 case with inside panel removed