RACU HAMMER
RIFLE ACCESSORY CONTROL UNIT (RACU) SYSTEM

The RACU Hammer System offers a programmable centralised point of control for weapon-mounted and body worn devices (including radios).

It provides the means to functionally integrate both current and future Soldier Systems – simply and safely.

Crucially, soldiers
are able to remain:
"Head up, eyes on target,
hands on weapon"™

GENERAL DESCRIPTION

The System consists of the RACU Hammer Controller and Device Adapter mounted on the weapon, and a Radio Control Box (RCB) and cable assembly mounted on the body.

The unique component is the form factor of the Controller, the Device Adapter and RCB are common to all RACU Systems.

The Controller has been designed to attach specifically to a GPS Grip-POD foregrip. It consists of five buttons (two thumb and three finger-operated) providing a large number of button-press combinations (chords) available for programming.

Device control can be exercised directly or indirectly from the Controller. A Device Adapter is only necessary when electronic devices have no integral BLE capability.

Buttons can be activated singly or in multiples, and by using different techniques to press the buttons (e.g., 'press and hold', 'press and release' or 'double-tap').
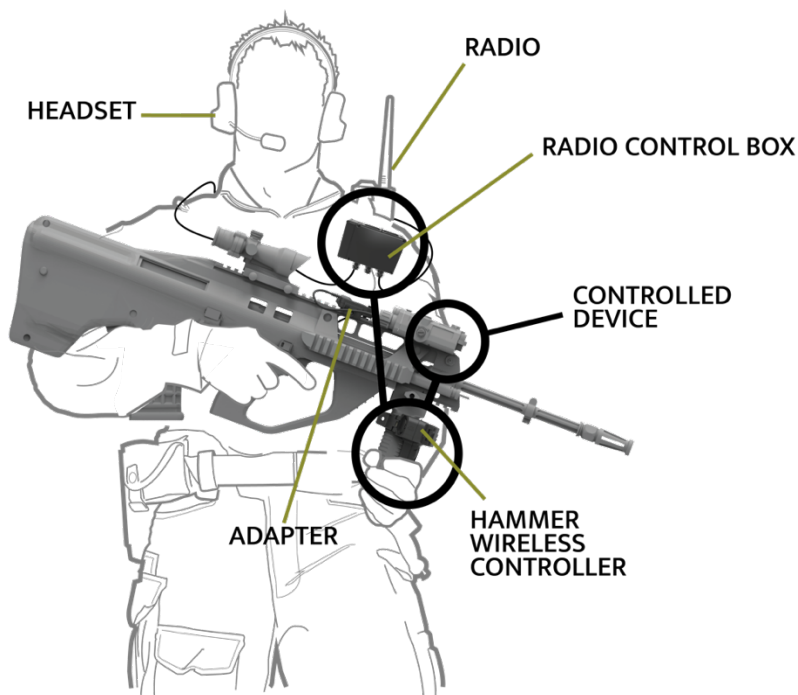
KEY FEATURES

- Controller is ambidextrous and can be operated equally well by the left or right hand as long as both thumb buttons are programmed to be functionally identical.
- Directly control up to two radios through the RCB (controlling PTT, volume and channel), or indirectly, through a body hub, End User Devices or Head-up Displays.
- Possible to control elements within a local area network if one of the radios carried by the operator is network capable.

TRAINING

- Can be conducted in less than an hour.
- A web-based app has been developed that can be hosted on a Smart-phone.

OPERATIONAL FEATURES

- Data-logging enables button activations on individual controllers to be recorded and time stamped, and then downloaded for after action review.

- User Configuration Utility for customising the operation of the RACU System to suit individual requirements and preferences.

eyes on, hands on®

head up, eyes on target, hands on weapon®