



KordDefence

Product Brochure

SmartGrip Remote Integrated Controller

Keep Focused, Engage Quicker, Stay Safer

The SmartGrip Remote Integrated Controller (RIC) provides soldiers with a fast, simple and safe way of remotely operating all their electronic devices from one central location without taking either their eyes off task or hands of their weapon. No more black tape, Velcro and press switches everywhere on the weapon!

The RIC has 5 ergonomic buttons, attaches to any standard weapon rail system, and is simple to use and easy to learn. It is operated by pressing single or multiple buttons (chords). Training to full competency normally takes less than an hour by which time the operator remembers the combinations (using muscle memory) and the interface can be operated "eyes free". Audio and voice prompting can be used to enhance this capability.

The RIC contains a small programmable microprocessor for interfacing to a range of electronic devices including thermal weapon sights, infrared sensors, night aiming devices, laser range finders, radios, and even portable computers and GPS. It is able to control almost any electronic device that has some form of external control. It can also be customised for different roles or functions.

Although designed as an integrated controller for dismounted soldiers the RIC, together with its ancillary devices, has application for Special Forces, SWAT, customs and border protection, coast guard and law enforcement. It could be used to control electronics on a sniper's rifle or to control a Battle Management System or Smartphone. It could be used to send preformatted messages covertly or rapidly provide location coordinates (using audio feedback).

Depending on the application the RIC can be produced in different forms (e.g. a 3 button version for Close Quarter Combat). It could also be embedded into a policeman's baton or the controls within a military vehicle. Body-worn versions could be developed to control devices such as radios or GPS for when the operator doesn't have a weapon.

Whatever the application the RIC can capitalise on existing capability and turn a seemingly disparate suite of accessories into a truly integrated system without the need for sophisticated and expensive computing technologies.



SmartGrip RIC

Control all weapon mounted and body worn electronic devices from one central location on the weapon.



OPERATIONAL BENEFITS

- **Improve soldier performance and combat effectiveness:** Decrease target engagement and target hand-off times with rapid control of accessory functions. Sub-second response times with significantly less error enables multi-tasking – even when mobile. Instinctively operate all weapon mounted and body worn devices, while remaining in firing position. Increased ability to engage the enemy since hands on weapon and eyes on target at all times.
- **Reduce soldier cognitive load and improve survivability:** Instinctive eyes-free control reduces mental strain on soldier and provides full situational awareness. Decrease probability of detection from hand and arm movement by controlling all electronic devices using the non-master hand from the weapon.
- **Reduce system complexity and improve soldier integration:** Eliminates the need for multiple separate controls and cables located at different positions on the soldier's weapon and body. One simple and consistent interface that integrates the soldier to his system sensors and communications. The controls of individual accessories can still be used if the system fails.
- **Improve Training:** Train on the use of all accessories and quantitatively measure performance using computer simulation (VBS2). No need to retrain if accessories change as operation of key functions remains the same.
- **Reduce life cycle costs:** Increases the utility of legacy equipment and permits growth as additional or new accessories are added. Reduces training costs and the need to buy multiple switches and cables.

FEATURES

- **Intuitive to learn:** learn 12 functions to full competency in under an hour.
- **Instinctive to operate:** uses muscle memory; can be operated on the move.
- **Scalable:** Can be used to control as many, or as few, accessories as necessary. Operation remains the same.
- **Expansive.** Can be readily updated to control new or upgraded accessories.
- **Adaptable and reconfigurable:** Can be reprogrammed for different roles and missions.
- **Rugged and reliable:** fully dust and water protected (to depth of 20m) - IP67.
- **Ergonomic design:** dual grip; fits 95 percentile human hand (with gloves); compatible with MIL-STD-1913 picatinny and STANAG 4694 NATO rails.
- **Energy efficient:** 9mth+ battery life (1 x CR123); Radio Control Box - 3mth+ (1 x CR123)
- **Light weight:** Total: < 200gms (7ozs).
- **Multiple interfaces:** Usb, Serial, Two Wire (I²C compatible).
- **Wired or wireless (Rf) connectivity:** from weapon to body worn devices.
- **Controls multiple radios:** including PTT, Volume Up/Down, Channel Up/Down.
- **Integrated and efficient training:** Competency based and individualised computer training (based on VBS2) that can be configured for a wide range of weapons and electronic devices.
- **Optional modules:** Data logging (for training); Synthetic voice; GPS.

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