



KordDefence

Company Profile

Overview



We develop innovative interface technologies for the military, homeland security and law enforcement markets. Our products enable people in harsh and stressful conditions to quickly and safely control multiple electronic devices whilst on the move and without having to take either their eyes or hands off task.



Fast | Simple | Instinctive | One-handed | Eyes-free | Control

Overview

For more information:
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We are a wholly owned subsidiary of KordTech Pty Limited based in Canberra Australia. Our mission is to provide a better, faster, safer way of using mobile technologies – anytime and anywhere.

Our clear strategic objective is to collaborate with world-leading commercialization partners who have access to global markets relating to the following areas: Military Vehicles; Robots; Police; Security; First Responder; HAZMAT; Emergency and Rescue. Our team, which also comprises Sydney-based industrial design firm Tiller Design, has worked for a range of corporate and public sector organizations – both within Australia and overseas.

Our technology

Our core technology consists of a 5 button input device, called a SmartGrip, a Chordic Graphical User Interface (CGUI) and a suite of chordic software and hardware.

The SmartGrip is operated by pressing single or multiple buttons (chords) – like playing a computer game. It may be hand-held, body worn, attached or embedded within other devices (such as a steering wheel or handle bar). Each contains highly innovative chordic circuitry and firmware that provide an intuitive means of control and enable it to be programmed for particular tasks or to control specific devices or key functions.

A weapon mounted version called the SmartGrip Rifle Input Control (RIC) has been developed for military and paramilitary applications. It is designed to provide dismounted close combat soldiers with a fast and simple way of controlling devices attached to their weapon, body or helmet.

The CGUI was originally developed to control the WetPC® underwater computer and is protected by worldwide patents. Small on-screen symbols show which buttons to press. Initially they guide the operator but after a relatively small amount of training the combinations are committed to memory and the interface can be operated 'eyes free'.

Our capabilities

We have extensive capabilities and skills in developing smart and intuitive interface technologies – that give enhanced performance and a real capability benefit.

Our services include provision of:

- custom software applications
- prototype and production controllers and input devices
- concept demonstrator interfaces
- technical advice
- ergonomic design and evaluation
- performance testing and trial support
- training and simulation products
- research
- experimental data and algorithms.

