OUR INNOVATIVE PRODUCTS ARE MAKING A DIFFERENCE TO SPECIAL OPS TEAMS
ELECTRONIC WARFARE (EW)

Enhance your performance in the RF/EMS environment

Kirintec capabilities focus on the domination of the EMS and radio waves, which may be used to trigger RCIEDs or see others strive to interrupt enemy electromagnetic communications systems.

Kirintec integrated EW systems are on hand to help your performance in the RF/EMS environment and physically networked environment.

EW has three different strands:

• Electronic Attack (EA)
  This is about jamming enemy communication or non-communication systems. Depending on where you are in the world, you may know this as either: Electronic Attack, Electronic Countermeasures (ECM) or Electronic Warfare.

• Electronic Defence (ED)
  Whether you know it as Electronic Protection Measures (EPM), Electronic Defence or Defensive Electronic Attack, our RCIED protection systems are deployed to defend allied forces from enemy electronic attack.

• Electronic Surveillance (ES)
  Essentially this is listening to what the enemy is doing and how they are communicating.
  You will undoubtedly have known this as Electronic Surveillance Measures. Or more recently as Electronic Surveillance or SIGINT (Signals Intelligence).

Military operations are conducted in an increasingly complicated, congested and contested information environment. We understand the threats and can assist with your technological response.

This action involves the electromagnetic spectrum; specifically the offensive and defensive use of the EMS for the purpose of information superiority.

Special Operations Jammer
KT-950-124-02
Understanding the threat, ADVANCING the response.

T: +44 (0) 1989 568 350
F: +44 (0) 1989 568 351
info@kirintec.com
www.kirintec.com
In understanding the threat to help advance your response, we know you will want our Special Operations Jammer to assist with degrading and denying enemy communication systems.

Even those who don’t work in our industry are all too aware of the increased terror threats; with innocents being targeted who are going about their everyday business.

For example the series of terror attacks in Paris unravelled a sequence of tragic events across the European capital. With over 500 people injured and killed that day, the world felt the effect and there is greater awareness.

Equally no one needs reminding of 9/11 and the atrocities that shook the world in New York or the more recent Boston Bombings. Sadly there are too many examples to be aware of.

Our systems are known for their proven ability to defeat Remote Controlled Improvised Explosive Devices (RCIEDs).

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Our equipment is there to help in counter terror scenarios such as these. It’s not going to stop such situations developing, but it will certainly help towards their resolution.

At Kirintec we take pride in providing equipment and advice, to help preserve life and assist the military, defence, police and other specialists and equip forces who deploy offensive tactics.

Talk to us today to see how our Special Operations Jammer could be deployed according to the threat(s) you wish to counter.
KIRINTEC PROVIDES THE STRATEGIC ADVANTAGE

Application is only limited by an Operator’s imagination

When considering a terrorist stronghold that involves hostages and weapons, in a known location, strategically positioning our Special Operations Jammer prior to giving “The Go” would increase confusion within the enemy’s ranks, giving a tactical advantage to the assaulting force.

The applications of Kirintec’s Special Operations Jammer is only limited by the Operator’s imagination.

Speak to us about specific programming options. However, scenario types you could consider include:

- Denying VHF, UHF, Wi-Fi and mobile phones
- Herding or conditioning difficult enemy communications onto easier to deal with channels
- Confusing CCTV, electronic door opening, wireless and cordless communications
- Assisting with covert surveillance techniques, for example, a UHF waveform would have the ability to affect car fobs, preventing them from opening
- Plus many, many more applications

Feasibly you may just need one unit, but realistically, our customers buy a fleet of jammers, whose fill is entirely and easily scalable.

Covering the range of 20MHz – 2.7GHz with options up to 6GHz, our Special Operations Jamming suite means your team is kept safe.

Importantly, you can control the jammer without having to be next to it. It is therefore possible to be on the other side of the world and have full control of every deployed jammer in your fleet.

Kirintec’s Special Operations Jammer becomes a node on the secure network, providing complete control.

Please read more on Kinesis Plus from page 15.
Kirintec’s Special Operations Jammer could be used to deny command and control communications on VHF/UHF/ Wi-Fi or mobile phones. Also use our jammer to stop key fobs operating as intended. Therefore provide opportunities to gain access to areas which should be locked.

Electronic attack prevents or reduces the enemy’s use of the EMS.

At Kirintec we are very much about our Special Operations Jammer providing a broad range of effects:

1 Degradation
Degradation of enemy communications to a point where they become unworkable.

2 Denial
Based on our complete ROIED protection solution, this is something which we have plenty of experience of and provides a high level of assurance.

3 Deception
The goal is to mislead and adversary by manipulating his perceptions in order to degrade the accuracy of his Intelligence, Surveillance, Target Acquisition and Reconnaissance (known as ISTAR). All so your adversary draws misleading conclusions.

Kirintec’s package of options can be tailored exactly to meet your specific requirements.

Be assured that using a Mercury system means you benefit from our innovative engineering expertise.

We are always working on ways to ensure our solution remains the best solution - not just for today, but for tomorrow.

Control Link
Our Special Operations Jammer also has electronic defence capabilities, through its ability to provide radio encryption.

Each box can hold multiple pre-designed fills, this can then be selected through the encrypted Kinesis Plus command link.

In the future, the Special Operations Jammer will be able to switch the required fill at a touch of a button.

Our jammers are used to attack communication and non-communication systems.
If you don’t already have our systems, we invite you to discover our impressive Mercury jamming range which is in-service globally.

**Special Operations Jammer**
- Man-portable high assurance system

**Antenna options**
1. Omni
2. Directional
3. Both

We can advise you on the exact configurations you need to advance your response. However, every Mercury system is available with all or some of the following configurations below. Please read on for more details within the brochure.

**Patented Xchange technology**
- Gives you access to Communications Through Inhibition (CTI) solutions.
- Xchange prevents the Mercury ECM signal from affecting the Radio System.
- It allows bi-directional communications with any unmodified radio system operating outside the jamming bubble.

**Kinesis Plus**
- Our remote logical controller enables you to operate your jamming system from the other side of the country and programme it to send you alerts.
- Our team can help you understand the extent of operational capabilities available. Enquire now!

**Antenna**
- Depending on the scenario and how you configure your Special Operations Jammer, a directional antenna would provide improved range and discrimination.
- We will advise on the best solution of omni or directional antenna for your needs.

**SPECIAL OPS JAMMER**

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**IMPRESSIVE CAPABILITY**

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**Pictures from left to right**: Mercury Ventura dock, Ventura manpack and BLADE 5.
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KINESIS PLUS
Including a Kinesis Plus system allows you to remotely control your Special Operations Jammer with Xchange technology.
You may initiate delayed movement sensitive or immediate commands. Kinesis Plus operates in tandem with Xchange, so does not interfere with, or be interfered by, the jamming signal. This is a unique inclusion, which offers you endless options and benefits.

Deploy a suite of Kinesis Plus modules. They operate with a 5km line of sight range. This means you can operate your Special Operations Jammer from a control room, out of danger from the target area.
KINESIS PLUS: SWITCH ON AND MONITOR EQUIPMENT REMOTELY

SAVE TIME UPDATING KINESIS PLUS FILL

Efficient operating

With minimal training, one operator can check all Special Operations Jammers connected with Kinesis Plus in action, their status and can control power and jamming capability.

Other software packages are required (and supported) to configure the capability, this will be outlined during training.

We all acknowledge that threats evolve, so must your response. The ‘fill’ provided for your response is therefore vital when considering your strategic approach.

Therefore, benefit from using our Special Operations Jammer. As a glimpse into the future, having someone have to physically update the fill within a product to ensure that you have the latest version supplied or to take into account new threats discovered will soon not be needed.

Our Special Operations Jammer will allow you to do so much, at the touch of a button.

Kinesis plus is currently in an ancillary box. Design work is ongoing to place functionality within the Special Operations Jammer.

Below is a screenshot of Leader, control software. It shows the target end software package as seen by a control room operator.
Special Operations
Jammer
KT-950-124-02
Understanding the threat,
ADVANCING the response.

INCREASE YOUR JAMMING RANGE FOR A THREAT COMING FROM A KNOWN DIRECTION

COLLAPSABLE,
MODULAR
AND THREAT
SPECIFIC
ANTENNAS

1. Mid band omni directional
2. Low band omni directional
3. Mid band directional
4. UHF narrow band directional
5. 20 - 520MHz high gain directional

For greater targeted reach, you can choose to add antenna according to the identified threat. The illustration is only representational, but it gives you an idea below of how much more reach you can achieve with one directional antenna.

We work with you to source the right antenna for your needs. Different customers may have different requirements for:

- Gain
- Narrow band v wide band
- Direction
- Frequency
- Size and weight
- Controls
- Robustness
- And so on.

Please note that all images are purely representational and antenna despatched may differ from images shown.
TRUST KIRINTEC

Part of our team are former high threat operators and have worked on the front line. They perfectly understand the need for you to have reliable, safe and the finest solution that is on the market.

Our experts can advise an allied team, to ensure you have a one-box solution that is programmed to combat EW global adversities. The "fit" used will be entirely based on degradation and denial electronic attacks.

Fill/mission creation training can be provided, so you can be more responsive. Talk to us today, we strive to exceed your expectations.

SPECIFICATIONS

Please note that weights and dimensions are listed as a guide. This is because depending on the configuration you select, it will affect the weight. Please ask if you need more details at the point of ordering.

<table>
<thead>
<tr>
<th>Special Operations Jammer</th>
<th>Kinesis Plus</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Specifications</strong></td>
<td><strong>Colours</strong></td>
</tr>
<tr>
<td>Dimensions</td>
<td>We can supply Mercury in a choice of colours. As standard it is sold in NATO green, however if you need a different colour than the options listed below, please ask at the point of ordering.</td>
</tr>
<tr>
<td>460mm x 310mm x 140mm</td>
<td>• NATO green</td>
</tr>
<tr>
<td>Weight</td>
<td>• Jet black</td>
</tr>
<tr>
<td>15kg</td>
<td>• Desert sand</td>
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<tr>
<td></td>
<td>• Red</td>
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<td></td>
<td>• Silver</td>
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**Contents**

Special Operations Jamming system 20MHz to 2.7GHz

Comprises of the following:

- Antennas according to customer requirement
- Battery cage for 2 batteries
- Lithium-ion 2590 rechargeable batteries x 2 or 4
- 2 or 4" channel mains battery charger
- Kirintec commercial fill
- Software configuration CD
- Programme data cable

*Please specify at time of ordering

<table>
<thead>
<tr>
<th>Part No</th>
<th>Description</th>
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<tbody>
<tr>
<td>KT-950-124-02</td>
<td>Mercury Special Operations Ventura 122-X-ECM and Kinesis Plus in black</td>
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