

01

REBUS 2
Patented
US: 8,302,533,B2
UK: 2470123

Understanding the threat,
ADVANCING the response.

T: +44 (0) 1989 568 350
F: +44 (0) 1989 568 351
info@kirintec.com
www.kirintec.com



REBUS 2

ECM for First Responders

REBUS 2 provides internationally acclaimed technology and effective jamming capability, without impacting upon essential communications.

Kirintec employ a patented technology to deliver high assurance inhibition in an enclosure. This is a combination of high assurance, low power, jamming technology and the application of the Faraday Cage effect.

REBUS 2 inhibition is an ideal solution to use in public places. As a renowned electronic countermeasure, it is devised to cleverly defeat radio-controlled improvised explosive devices, doing so without impacting upon local signals.

Subsequently this allows friendly use of:

- radio systems
- Wi-Fi
- mobile phone networks
- Walkie-talkies
- among others

Benefit from deploying REBUS 2

- sporting events
- concerts
- Government buildings
- airports
- train stations - or similar
- VIP protection scenarios
- Sites of critical infrastructure and importance

Specifications

Orange Inhibitor

- Unit IP 65
- Case (270mm long x 246mm wide x 174mm deep)
- Weighs less than 8kg

Red ballistic tent

- 3m length connecting cable
- Length 800 x width 800 x 780mm high

Total weight 16.9kg, comprising:

- Orange inhibitor 7.7kg
- Red tent, with 11 layers of Spectra Shield® ballistic material 8.3kg
- Tent bag 0.9kg
- Covers suspect bags 770 long x 600 wide x 280mm high
- 6 antennas inside



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02

KIRINTEC EQUIPMENT HELPS SAVE LIFE

Ideal solution for use in public places

First Responders can protect with confidence, partly as our REBUS suite of products is the chosen solution across many continents – it has been trusted for many years.

REBUS 2 is the only technology in the world that can ‘bridge-the-gap’ between discovering a suspect device and a specialist explosive ordnance team arriving, with proven effectiveness.

Turning on a pre-programmed REBUS 2 piece of life-saving equipment, allows an Explosive Ordnance Disposal (EOD) team to arrive at the scene and then work safely and confidently.

Understanding the threat

With every jammer that leaves the manufacturing line, user safety and reliability sits at the heart of what we do. Each jammer only leaves the factory, if we are 100% happy with its desired capability.

We programme REBUS 2 to combat identified threats to help advance your response - meaning that:

- additional threats can be covered
- REBUS 2 exists to help trained operatives prevent RCIED initiation

REBUS 2 system architecture includes:

1. Lightweight ballistic tent

The REBUS 2 tent is manufactured to cover a full size suitcase. It shields the suspect device from the RF (Radio Frequency) environment. It also houses the antennas and is integrated with a 3m lead which connects to the Inhibitor.

2. Inhibitor

The microprocessor allows the RF inhibitor to transmit a low power jamming signal inside the enclosure, in turn this inhibits the suspect device

Benefits:

- the signal ramps up power slowly, to reduce the chance of initiation and allowing time for the Operator to get clear
- clear indicators show the battery status and a sounder that warns if they are low, meaning you can trust REBUS 2
- our Inhibitor features a bank RF sources which are configurable. This gives the operator maximum control in starting and stopping frequencies

Programming

Selecting one button is all that's needed to activate (and then deactivate) our REBUS 2 ECM system. Stand back and observe.

Although no programming is required during normal operation, REBUS 2 offers the flexibility for the user to configure the system as required to tailor it to specific circumstances.

Furthermore, REBUS 2 self-tests to ensure reliable operation.

Perfect for high pressure environments

Our team of experts has worked directly with security professionals to ensure our REBUS 2 design has progressed, yet remains as easy as possible for operators to implement in complex high pressure operations.

There is even a disrupter access port in the tent, to allow you to inspect a device without compromising the system's RF integrity.

REBUS 2 Confidence Checker

You can always be confident in the operating ability of REBUS 2. However, we understand that as you cannot see technology working and it is so mission critical, further reassurance is sometimes desired.

Please ask us about our REBUS 2 Confidence Checker when purchasing jamming solutions. Our Confidence Checker works by scanning the frequency range and then comparing it to pre-programmed threat parameters. In a potentially life threatening situation, this offers a team the independent reassurance that is needed in the chosen technology.



Built-in health check and testing

Control ports:

- Battery and internal voltage monitoring
- Integrated into the main control connectors are the power, Ethernet and general purpose input-output (IO)
- Front panel has USB; ideal for future connectivity such as webcam
- Wi-Fi 802.11b/g/n 2.4 GHz (whilst not jamming)

Other:

- Single on/off push button control
- Status LEDs on the top of and side of the inhibitor
- Operating systems supported include: Android, Linux and Windows
- Browsers supported include: Internet Explorer and Firefox
- Automatic embedded firmware update (via front panel USB interface)

Environment

- Operating temperature 0 – 45°C
- Storage -20° to +60°C

Power

- Two sealed 12V lead acid batteries (user replaceable)
- Up to 4 hours on a single charge
- Batteries charged in situ
- 24V DC input, compatible only with supplied charging unit
- 100-240V AC 50/60 Hz charging and power supply unit included

Part No	Description
KT-950-099	REBUS 2 system comprises of:
• KT-950-096	REBUS 2 inhibitor (orange) with 2 batteries unplugged (for shipping)
• KT-950-098	REBUS 2 ballistic tent (red) with bag to neatly pack and carry
• KT-966-003	REBUS 24V battery charger
Options	
KT-409-576	REBUS confidence checker

It is advisable that all users of this equipment are confident and fully competent in the appropriate methods and procedures. Whilst every effort has been made to ensure that this equipment meets the highest standards of quality and safety, Kirintec Ltd assumes no liability for any injuries to persons or damage to property arising from the use of this equipment.

