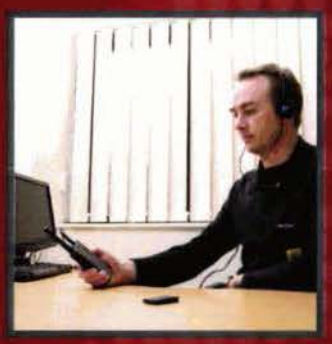
Stealth Evolution


The intelligence to protect

SECURITY RESEARCH

Covert, Evidential audio surveillance

The **Stealth Evolution** product range has become the backbone of security and intelligence services in law enforcement and government agencies worldwide. Providing vital intelligence to keep users one step ahead in their never ending battle to keep our communities safe.

Stealth Evolution is the flagship of our highly successful Radio Microphone Range, with a Web Interface and audio streaming capabilities, giving the user digital end to end surveillance which can be controlled and monitored from anywhere in the world.

Sharp End Transceiver (ESE)

Covert audio surveillance

The Stealth Evolution Sharp End (ESE) radio microphone transceiver combines small size and excellent battery efficiency for flexible deployment. It incorporates a closed loop command structure with remote status reporting.

Features and benefits

- **Compact size for easy deployment**
- **Excellent battery efficiency for long term employment**
- **Excellent receiver sensitivity for increased command range**
- **Dual band transmitter for flexible deployment**
- **Variable transmit frequency and power**
- **Encrypted signal to protect interception**
- **Closed loop command structure to remotely monitor battery efficiency**
- **Interfaces to microphones and accelerometers for deployment**
- **Fully type approved**

Handheld Listening Transceiver (EHT)

High quality transceiver

The EHT is a world leading compact and versatile transceiver, giving users ultimate flexibility in deployment. The ability to control and receive encrypted audio from the Stealth Evolution Sharp End (ESE), which can be web interfaced for remote listening anywhere in the world.

Features and benefits

- **Suitable in a multitude of surveillance applications**
- **Dual band receiver coverage for flexible deployment**
- **Can send control commands to ESE to optimise deployment**
- **Fully type approved**
- **Touch screen colour display with multi-lingual user interface**
- **Integrated web interface for full remote control and audio monitoring over secure internet connection (EHC)**

Evolution Listening Post (ELP)

Compact Transceiver

The Stealth Evolution Listening Post (ELP) transceiver is designed to be located a safe distance from the ESE in either an overt (ELP) or concealed (ELPC) format. Provides flexible listening anywhere in the world through a web interface.

Features and benefits

- **Dual band receiver coverage for flexible deployment**
- **Fully type approved**
- **Multi-Lingual user interface (ELP)**
- **Can send control commands to ESE to optimise deployment**
- **Integrated web interface for full remote control and audio monitoring over secure internet connection**
- **Available in two variants to suit different operational requirements**

Bi-Directional Repeater (EBR)

Web interface & audio streaming

The Stealth Evolution Bi-Directional Repeater Transceiver (EBR) offers all the performance of the Stealth Listening Post (ELP) transceiver coupled with the ability to rebroadcast target audio product and forward system commands over the required radio links. The EBRC is a variant available which is suitable for unattended, concealed deployment.

Features and benefits

- **Extends radio range of ESE deployment**
- **Dual band receiver coverage for flexible deployment**
- **Excellent receiver sensitivity for increased command range**
- **Fully type approved**
- **Multi-Lingual user interface (EBR)**
- **Integrated web interface for full remote control and audio monitoring over secure internet connection**
- **Available in two variants to suit different operational requirements**

Handheld Cradle (EHC)

Complete fixed location Listening Post

The Stealth Evolution Hand-held Transceiver Cradle (EHC) is an essential accessory to the EHT, acting as a connectivity gateway for fixed location deployments. The EHC allows the operator to obtain digital audio outputs from the ESE. The digital audio output is encoded using the broadcast industry standard AES/EBU (AES3) format and the consumer standard S/PDIF format.

Features and benefits

- **Allows use of High Gain Antennas**
- **Increased Audio connectivity (analogue & digital)**
- **Increase Data connectivity**
- **Integrated web interface for full remote control and audio monitoring over secure internet connection**

Technical Specification

ESE	
Transmitter Frequency Range	320MHz to 335MHz, 360MHz to 375MHz (100kHz resolution)
Transmitter output power	0dBm to +20dBm (+/-2dB)
Transmitter modulation	4 level CPFSK, scrambled CVSD
Command receiver frequency range	170MHz to 175MHz, nominal 173.99375MHz (other frequencies available on request)
Command receiver sensitivity	< -115dBm typical
Power Supply	+3.3v @ 100mA to +20v @ 32mA (for +20dBm output power)
Size	55mm x 35mm x 5mm (not inc. antennae)
Operating temperature range	-10degC to +55degC
Approvals	EN300-220-1 V2.2.1, EN301 489-3:2002

EHT / ELP / ELPC (Concealed) / EBR / EBRC (Concealed)	
Command Transmitter Frequency Range	170MHz to 175MHz, nominal 173.99375MHz (other frequencies available on request)
Command Transmitter output power	+19dBm (+/- 2dB)
Command Receiver Frequency range (EBR only)	170MHz to 175MHz, nominal 173.99375MHz (other frequencies available on request)
Command receiver sensitivity (EBR only)	< -115dBm typical
Transmitter Frequency Range (EBR only)	320MHz to 335MHz, 360MHz to 375MHz (100kHz resolution)
Transmitter output power (EBR only)	Up to +26dBm
Transmitter modulation (EBR only)	4 level CPFSK, scrambled CVSD
Recevier frequency range	320MHz to 335MHz, 360MHz to 375MHz
Receiver sensitivity	Typically -106dBm (12dB SINAD @ 1kHz in CCITT bandwidth)
Power Supply (EHT)	2Ah Lithium polymer rechargeable, up to 6 hours life dependent on screen use, External DC input 5v @ 2.4A
Power Supply (ELP / EBR)	5Ah Lithium Ion rechargeable, up to 6 hours life dependant on use, External DC input 12v @ 5A
Power Supply (ELPC Concealed / EBRC Concelaed)	External DC input 5v @ 2.4A
Size (EHT)	145mm x 77mm x 32mm (not including antennae)
Size (ELP / EBR)	280mm x 180mm x 85mm (not inc. antennae)
Size (ELPC Concealed / EBRC Concealed)	155mm x 80mm x 35mm (not inc. antennae)
Approvals	EN300-220-1 V2.2.1, EN301 489-3:2002

EHC	
RF connectivity	SMA to TNC adaptors
Audio Connectivity	Analogue XLR balanced, Digital AES/EBU (XLR), SPDIF (Phono)
Data Connectivity	Ethernet (RJ45), USB (Mini A/B), PSTN Modem (RJ11), RS232 (D-type)
Approvals	EN300-220-1 V2.2.1, EN301 489-3:2002

Warranty

All Stealth product range comes with a full two year warranty against defective materials and workmanship which can be extended if the unit receives regular maintenance and recalibration.

Technical Support Group

For any queries contact us between 9am and 5pm Monday to Thursday and between 8.30am and 4pm on Friday.
T: +44 (0)1536 464 888
F: +44 (0)1536 268 363

Training

We offer full training in using all our products. Please call for details.

Due to our policy of continuous improvement, all specifications are subject to change without notice.

For more information or a demonstration please contact us today

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