

BlueGate

Covert Bluetooth Communication System

BlueGate is a multi-node secure short-range discrete audio communication and monitoring system, ideal for covert audio recording, tactical and long-term audio monitoring

Using secure and proven Bluetooth® technology, the system consists of 2 parts – a BlueGate Controller 'base-station' and BlueMic Microphone transmitter(s). The BlueGate Controller automatically initiates connections with up to 3 predefined BlueMic transmitter units (or a predefined Bluetooth headset). Move in to range and you can monitor any conversation via a standard 3.5 mm jack head set connection, or maintain secure 2-way comms between operator & operative.

BlueGate Controller Key Features

- Record monitoring output to connect to any standard audio covert recorder.
- Links with up to 3 remote BlueMic units, with automatic pairing and streaming, locking onto the microphone it finds that is in range.
- 128-bit encryption, with authorised connections only and operating in undiscoverable mode, makes detection exceedingly difficult
- Compatible with standard Bluetooth headsets when configured to allow authorised connection
- Microphone output providing 3rd party communication (via preconfigured standard Bluetooth headset)
- Makes an ideal 'front-end' for tactical real-time recording system

BlueMic Key Features

- BlueMic100 (range up to 100m) & very small BlueMic10 (range up to 10m)
- Knowles Microphone for highest audio quality
- SCO & eSCO audio communication
- 3 different power supply options –including 12VDC vehicle power, mains adaptor, separate high capacity rechargeable battery, and extreme-life battery pack for



Scenario 1

You need to record what is going on in the next door room. With its small size, a BlueMic10 transmitter is easily hidden in the room, with the operative next door with the BlueGate Controller monitoring & recording the audio stream

Scenario 2

An undercover team with a BlueGate controller are listening in to & recording a conversation in a hotel room via a concealed BlueMic100. A second team is waiting in a car outside ready to react, also listening in to the audio stream via a standard Bluetooth headset.

Scenario 3

An operative is waiting in a cafe for a prearranged meeting. A second operative sat in a car outside with the BlueGate Controller is monitoring the entrance. Both can communicate securely with each other without external monitoring

Scenario 4

Long-term surveillance of inaccessible locations. The extreme life battery back enables many months of operation without access. Only connect when in range or when targets have been identified.

Scenario 5

A BlueMic100 is hidden in three separate locations. The monitoring team follow the target from the first location to the second, allowing both locations to be covered by the same BlueGate Controller and recorder

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BlueGate Controller**Connections**

Bluetooth Class 1, V2.0

4-way (3.5mm) connector for headphone/speaker, plus control line (for controlling an audio recorder)

2-way (2.5mm) connector for microphone input

2-way (0.7mm) DC input (battery charger)

External antenna

Operating Range

Up to 100 Metres (subject to environment)

Power

800mAH Li-Pol battery

Talk Time: up to 8 hours

Rechargeable from AC adapter

Audio Communication

SCO and eSCO

128-bit encryption

Bluetooth

Transmission: Class 1

Version: 2.0

Typical Range: up to 250 Metres (open space)

Dimensions

39mm x 65mm x 20mm (including antenna connector)

Foldable Antenna: 104mm fully (straight)
32mm x 84mm (angled)

Weight

52gms (including antenna)

Security

128-bit encryption for incoming and outgoing Bluetooth connections

Operates in non-connectable and undiscoverable modes

Only allows connection with authorised devices

Automatically stores paired devices in a trusted device database in flash memory

**Bluemic-10****Connections**

Bluetooth 2.0

DC power (battery charger)

Microphone

Knowles type

Operating Range

Up to 10 Metres (subject to environment)

Battery

Talk Time: up to 6 hours

Standby Time: up to 200 hours

rechargeable from AC adapter or via USB cable

Audio Communication

eSCO

128-bit encryption

Dimensions

39mm x 18mm x 12mm (excluding microphone)

Weight

4gms

**BlueMic-100****Connections**

Bluetooth 2.0

DC power

Microphone

Knowles type

Operating Range

Up to 100 Metres
(subject to environment)

Power

3.3 to 15V DC, 70mA

Audio Communication

eSCO

128-bit encryption

Dimensions

37mm x 28mm x 10mm

(excluding microphone and power cables)

Weight

22gms (including antenna)

