



6-06-2009

Technical Surveillance Threat Alert

Disguised UHF Transmitter



USB cable UHF transmitter.

When plugged to a USB port the cable works as usual and the transmitter inside the cable transmits conversations or any sound to a distant receiver.

No batteries needed. The transmitter works as long as it remains plugged to a USB port.

With our Automatic Gain Control system it is able to pick up a whisper up to 40 feet away from the transmitter microphone as clearly as loud speech near it.

Exceptional audio performance.



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Features:

- **USB cable works and looks as usual.**
- **Nothing unusual can be found.**
- **Powered by a USB port, no battery required for the transmitter.**
- **Only one end of the cable needs to be plugged to provide power.**
- **Extremely sensitive built-in microphone.**
- **Automatic microphone gain control.**
- **Crystal frequency control.**

Technical data:

Length: 1.8 meter (6 feet)

Interface: USB 2.0 , USB 1.1

Range: 500 meters (1700 feet) in open field

200 meters (700 feet) in a city

Power requirement: USB port

Output power: 20 mW

Frequency: 433 - 434 MHz (300 - 434 MHz on demand)

Modulation type: NFM

Operating temperature: -20 to +60 °C (-4 to 140 °F)



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Countermeasures:

There are several Technical Surveillance Countermeasures / Technologies available to thwart the above threats, and will be dependent upon whether the goal is *detection or nullification* of the Technical Surveillance device.

Contact ComSec LLc for more information.

End Report
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*ComSec LLc provides Technical Surveillance Threat Alerts as part of its on-going support add on service for its Technical Surveillance TSCM training program. Please contact COMSEC LLC to learn more about this service.