

WOODPECKER

SS050 Wireless Stethoscope



FEATURES

- Stand alone, field-ready system
- Analog transmission using 900MHz spectrum
- Wireless sensor weighs only 28 grams
- Compact, portable, ideal for rapid response units
- Up to 24 hours operation from the transmitter
- High intelligibility listening through 30 cm concrete walls
- Handheld pocket receiver
- Automatic Frequency Control (AFC)

APPLICATIONS

- Listening through walls, doors, windows
- Remote monitoring of structure-borne audio signals
- Standard outdoor surveillance operations
- Homeland Security
- Hostage Sieges, Aircraft Hijacks, Listening for Stowaways
- SWAT, Special Task Forces
- Ideal for rapid response units – tactical operations



Tactical Surveillance Kit – designed for SWAT teams and Special Task Forces to capture audio. The Woodpecker SS050 gives the user the ability to monitor audio in closed rooms or places where there is no access to install a standard wired microphone or wireless transmitter.

The SS050 Wireless Stethoscope enables you to listen and record through concrete walls, windows, and doors without the need to be inside the room. The ideal choice for remote operations. The lightweight sensor can be attached to the wall or any surface by standard blu tack or adhesive tape.

The SSO50 system is comprised of advanced wireless accelerometer sensor & single-channel receiver. The single-channel receiver features analog output (for headphones or monitoring equipment), volume control, external antenna & LED voltage indicator. Unit is powered by internal battery.

TECHNOLOGY

The wireless accelerometer sensor is mounted on the building construction (walls, floor, ceiling) the wireless accelerometer sensor gives clear audio pick-up through walls up to 30cm thick. In operation, acoustic vibrations passing through the wall are detected by the extremely sensitive wireless accelerometer sensor and transmitted via RF(Radio Frequency) to the dedicated single-channel receiver, which can be up to 100meters away (line of sight). The receiver uses Automatic Frequency Control (AFC) to stay locked to the channel of the transmitter. ■

TECHNICAL SPECIFICATIONS

Transmitter	
Frequency	960-990 MHz
Modulation	FM 50KHz
Output Power	5mW
Power Supply	3V CR2032 170 mAh Lithium
Power Consumption	8mA
Spurious/Harmonic	-40db
Range	50m within buildings / up to 200m outside
Dimensions	26x40mm
Weight Transmitter	28g / with Battery 30g
Typical Operating time	30Hrs
Receiver	
Automatic Freq. Control	AFC
Power Supply	3V 2xMicro 1100mAh Alkaline Batteries
Power Consumption	45 mA
Typical Operating Time	20 hours
Headphone Output	3.5mm stereo jack
Audio Frequency Response	500mW @ 8 Ohms
Dimensions	120(L)x40(W)x22(H)mm
Weight	135 gr

PRODUCT CODES

WOODPECKER SS050 Wireless Stethoscope – Full Systems

3-299-628 SS050 Wireless Stethoscope System, Transmitter (960-990MHz) powered by 3V lithium battery, Receiver with AFC (Automatic Frequency Control), up to 20hrs operation with one battery pack, transmit range 50metres in building

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