

# WOODPECKER SS030 Stereo Stethoscope



## FEATURES

- Complete through-wall listening device
- Standard analog output
- Extremely sensitive high-gain amplifier
- High reliability and environmental stability
- Compact, portable, ideal for rapid response units
- Supplied with mounting hardware (drill kit)
- Optional reinforced high quality screen cable
- Cost-effective

## APPLICATIONS

- Listening through walls, doors, windows
- Remote monitoring of structure-borne audio signals
- Standard outdoor surveillance operations
- Localization of target's inside a room
- 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 SS030 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 SS030 Stereo enables you to listen and record through concrete walls, windows, and doors without the need to be inside the room. The SS030 is a stereo system that allows the sensitivity of the left and right channels to be increased or decreased in order to aid tracking of the audio source.

The SS030 Stereo system is comprised of two advanced accelerometer sensors & dual-channel amplification unit for analog output signals. The dual-channel amplification unit with -10dB Attenuator features two analog outputs (one for headphones, another for monitoring equipment), volume control, balance control (Left/Right channel) & LED voltage indicator. Unit is powered either by internal batteries or external DC power supply.

## TECHNOLOGY

The accelerometer sensors are mounted on the building construction (walls, floor, ceiling) the accelerometer sensors give clear audio pick-up through walls up to 30cm thick. In operation, acoustic vibrations passing through the wall are detected by the extremely sensitive accelerometer sensors and amplified by the high gain audio amplifier. ■

## TECHNICAL SPECIFICATIONS

Sensitivity of Transducers	15V/g
Frequency Response	0.1–8kHz
Output Resistance of Transducers	5–10 Kiloohms
Output Power (headphone output)	100mW
Output Amplitude to Tape Recorder	3mV
External Power Supply	12VDC
Dimensions of the Amplification Unit	120 x 105 x 26mm
Dimensions of the Sensor (head)	Diameter 34mm Height 27mm
Cable length	Standard 1 meter Advanced 2 meter
Weight (Sensor with cable)	127g
Weight Amplification Unit	390g (with batteries) 282g (w/o batteries)

## PRODUCT CODES

### WOODPECKER SS030 – Full Systems

- 3-299-627** SS030 Standard Stereo Stethoscope System complete with dual-channel amplification unit, 2x accelerometer sensors (small, silver head) cable length 1 meter, drill kit, 4x AA batteries & carrying case
- 3-299-630** SS030 Advanced Stereo Stethoscope System complete with dual-channel amplification unit, 2x accelerometer sensors (large, black head) with reinforced high quality screen cable 2 meters in length, drill kit, 4x AA batteries & carrying case

Advanced version with reinforced cable and large black heads



### For further information contact

Winkelmann (UK) Limited  
Unit 63, Rowfant Business Centre  
Wallage Lane, Rowfant, Near Crawley  
West Sussex RH10 4NQ UK

T: +44 (0) 1342 719024  
F: +44 (0) 1342 719030  
E: sales@winkelmann.co.uk  
[www.winkelmann.co.uk](http://www.winkelmann.co.uk)