

Through The Wall Monitoring Device (3078)



Through Wall Listening System

The Through Wall Listening System is a self-contained portable hand-held stereo audio amplifier for covert intelligence gathering operations. Designed to extract high quality audio product in the most demanding situations; the Through Wall Listening System provides the ability to reduce unwanted sound signals and filter excessive volumes, enabling the operator to tune into human conversation against a wide range of background interference.

The Unit accepts inputs from a wide range of sources, including through-wall listening accelerometers, specialist surveillance probe microphones, sub-miniature microphones, balanced or unbalanced commercial microphones and line level signals.

Two identical channels are provided allowing stereo sound for improved spatial awareness and audio intelligibility or alternatively the channels can be used independently to listen into different microphones or audio signals.

Output to balanced line drivers allows high quality recordings for later analysis or presentation as evidence.

The compact unit can be used handheld, suspended by its integral belt clip for 'hands-free' operation, or placed on any available shelf, desk or table.

The Key Benefits

- The Through Wall Listening System provides operational flexibility in collecting audio using hardwired techniques.

Goldman Trades Surveillance and Security Equipments
57 Charing Cross Road
London
WC2H 0NE
United Kingdom

Registration No: 05871589
VAT: 911405858
Tel: +44-2072873621
Fax: +44-2072873621
admin@goldmantrades.com
<http://www.goldmantrades.com>



- The Through Wall Listening System provides operational flexibility in collecting audio using hardwired techniques.
- Stereo audio for increased audio intelligibility and spatial awareness.
- Parametric EQ for audio enhancement improved audio intelligibility.
- Variable gain control enables listening from a range of audio pick-ups.
- Separate audio channels can be used independently using different microphones, or to monitor different audio sources.
- Built-in audio compressor on each channel protects the user from excessive volume.
- Single handheld integrated unit.
- The Through Wall Listening System can be used to provide audio enhancement from any audio source, including pre-recorded audio.

Parametric EQ

The parametric EQ is similar to high level audio mixing equipment, and allows the user to either boost or reduce specific signal bands. The ability to tune the Mid range frequency to be enhanced is especially useful for either boosting intelligibility or cutting unwanted noise. This form of equaliser gives the highest level of audio control, without making the controls over complicated.



Each band of the parametric EQ can either boost or cut the signal by $\pm 15\text{dB}$. With the controls centred, audio is not affected. The sub low frequency switch is provided to cut very low frequency signals that may interfere with the wanted microphone audio signal. These low frequencies may however be useful if using the unit with an accelerometer to detect footsteps etc,.

Goldman Trades Surveillance and Security Equipments
57 Charing Cross Road
London
WC2H 0NE
United Kingdom

Registration No: 05871589
VAT: 911405858
Tel: +44-2072873621
Fax: +44-2072873621
admin@goldmantrades.com
<http://www.goldmantrades.com>



Compressor

Each channel has a separate audio compressor that protects the user from sudden loud noises which can be dangerous when using headphones at high gains. At low to medium input signals the unit passes the signal straight through with the gain set on the gain control.

At high signal levels, the gain is reduced to keep the output signal within safe levels.

Amplifier



Amplifier Inputs

Accelerometer 20V 2mA (2 pin lemo)

Surveillance mic 1.5V bias (3 pin lemo)

Commercial mic (3 pin XLR) 48V phantom power Line I/P (stereo o" jack)

Outputs

Headphones (stereo 3.5mm jack)

Balanced line O/P: (3 pin XLR)

Power supply: Internal PP3

External 9V mains PSU

(2.5mm power jack)

Current Approx. 30mA standby (increases with increased volume)

EQ: Hi shelving filter $\pm 15\text{dB}$ at 12kHz

Mid filter $\pm 15\text{dB}$ sweepable between 100Hz - 8kHz

Lo shelving filter $\pm 15\text{dB}$ at 80Hz

Lo cut at 75Hz - 18dB

Gain Adjustable 0dB to +60dB

System and System Components: Advanced Stereo Hardwire Listening System

Stereo Hardwire Listening System

Stereo Through Wall Listening System

Stereo Probe and Microphone Kit

Accelerometer Fixing Kit

Stereo Microphone Amplifier

Goldman Trades Surveillance and Security Equipments
57 Charing Cross Road
London
WC2H 0NE
United Kingdom

Registration No: 05871589
VAT: 911405858
Tel: +44-2072873621
Fax: +44-2072873621
admin@goldmantrades.com
http://www.goldmantrades.com

Accelerometer Extension Lead Kit - 10M
Probe Microphone Pair
Probe Microphone Tube Set



Goldman Trades Surveillance and Security Equipments
57 Charing Cross Road
London
WC2H 0NE
United Kingdom

Registration No: 05871589
VAT: 911405858
Tel: +44-2072873621
Fax: +44-2072873621
admin@goldmantrades.com
<http://www.goldmantrades.com>