

RA5.12 Audio Probe

A highly sensitive audio probe for covert listening operations

OPERATION GUIDE



The RA5.12 is a high performance microphone probe for covert listening operations through small gaps, keyholes and drilled holes.

The insertion probe is 6mm diameter x 330mm working length. A removable 1 metre lead connects the probe with an amplifier unit which is mountable on the belt of the operator. Connect the lead to the probe, and to the PROBE socket on the amplifier unit.

A simple knob switch is on the front panel of the amplifier. Turn clockwise to switch on the unit, and further clockwise to increase the volume. A green LED indicator shows that the power is on.

Headphones are plugged into the front panel via the 3.5mm jack socket, and are provided with an in-line volume control. Use the in-line control in association with the main amplifier unit volume control, to establish a safe balance. This helps to minimise sudden sharp feedback noise if the probe is inserted into small spaces or positioned near the headphones.

To charge the unit, simply plug in the 3-pin connector from the supplied charger to the side of the unit. The system will work for up to 7 hours from a full battery charge. *Do not use the RA5.12 while it is charging. The microphone is so sensitive that you will only hear mains electrical noise through the charger!

Technical Specifications

Probe:

6 x 330mm stainless steel insertion tube. 4-pin plug to plug lead. Black Delrin handle with 4-pin socket

Microphone:

Omnidirectional sub-miniature microphone. Output Impedance 4.4KOhm. Operating frequency 10,000Hz. Sensitivity -33dB+/- 3dB. Signal to noise ratio 30dB. 1.6VDC, 50µA.

Amplifier:

12VDC amplifier unit containing microphone pre amplifier and main amplifier in one unit. Internal Battery pack (non user replaceable): 12V NMH, 700mAHr capacity. Total current consumption <100mA. Front Panel: LED on indicator, volume control, 3.5mm headphone jack socket and 4-pin microphone socket. 3-pin charging socket.

Charger:

Fast intelligent 12V charger with world mains plug adapters. Indicates red when charging and green when charged. Full operation manual supplied.

Fuse: T type, 1.6A

Headphones:

High quality stereo headphones with 3.5mm jack plug and in-line volume control. (model subject to change)