

# AMG mini Ion+

Noise generator and amplifier



AMG mini Ion+ amplifier and noise generator has been designed to operate at maximum power combined with OMNI series sources and with the DIR slim directional loudspeaker.

Two high-quality power modules are integrated in the instrument. In fact, they correctly amplify and balance the sound energy towards the sources connected to AMG mini Ion+.

AMG mini Ion+ is powered by its integrated rechargeable lithium battery. The amplifier, therefore, requires connection to a power socket exclusively to allow recharging of the internal battery pack.

The pure battery power supply gives the user the freedom and independence of positioning AMG mini Ion+ once he has gone to the measurement site.

For this reason, AMG mini Ion+ can work in total electric autonomy for about 60 consecutive minutes at full signal emission power.

An innovative unified signal for all OMNI series sources and DIR slim has been engineered to simplify the source / dedicated output signal matching. The user will now be free to connect any Ntek-branded source, knowing that the maximum in terms of sound emission will be obtained without having to manually set the correct output signal from the amplifier.

AMG mini Ion+ is equipped with a wireless operating system. It is possible to act on the on/off status of the AMG mini Ion+ using the dedicated remote control. Furthermore, AMG mini Ion+ comes with the 868 MHz high-performance remote control by default; a feature strived by technicians who operate in non-adjacent environments or in the event of massive partitions.



## CONFORMITY LAWS AND STANDARDS

UNI EN ISO: 3382, 354, 140, 16283.

Conform to CE directives.

## TECHNICAL FEATURES

- Dimensions: 140 x 200 x 330 mm
- Weight: 5 Kg
- Frequency response: 40 Hz - 10 KHz
- Battery capacity: 1 hour at full power continuously
- Noise generator: White / Pink noise, or through BNC / RCA connector to link alternative external sources required by the user
- Channels number: 2 out
- Maximum power per channel 4  $\Omega$ : 350 W
- SNR (Signal to Noise Ratio): >113 dBA
- Total Harmonic Distortion THD + N: < 0.05% from 0.1 W at full power (usually < 0.01%)
- Intermodulation distortion DIM100: < 0.02% from 0.1 W at full power (usually < 0.005%)
- Power factor:  $\cos\phi > 0.85$ -4 $\Omega$  at full power
- Short circuit protection

## THERMIC FEATURES

- Work range: 0° - 40° C / 32° - 104° F
- Thermic protection

## STANDARD EQUIPMENT

- Wireless high performances remote control 868 MHz
- Antenna
- BNC / RCA connector
- AC power supply cable 220 V (to recharge)

## OPTIONAL EQUIPMENT

- Semi-rigid carrying shoulder bag
- Trolley flight case



## COMPANY IDENTITY

Ntek is specialized in products and services for noise and vibration measurement and control, in all applicable acoustic fields.

The company has been able to improve in designing, developing and producing solutions that mix simplicity, portability and user-friendly products with excellent quality.

Ntek main goal is to supply a qualified service with a complete range of products delivered on time in order to guarantee its customers the chance to focus on their business.

To keep this promise we have strongly invested in innovation and production process with monitoring procedures certified by independent primary authority.

## OUR VISION

We believe that acoustics is the basis of wellness and improvement of life quality.

It's for this reason that we develop, innovate and produce equipment inspired to this philosophy.

## HOW WE WORK

Ntek can ensure a high level of service, thanks to modern processes and new laboratories, completely equipped for different operations of design, production, measurement, check and control.

## INTERNAL LOGISTICS AND STOCK

With its new operative location of 500 m<sup>2</sup> and its internal stock, Ntek guarantees available products in a short time according to customers' needs. Today we can handle an order in 48 hours compared with a standard delivery of 45/60 days.

The new location is structured to be flexible with logistics activities and in answering efficiently to productive needs of our customers.

## SUSTAINABILITY

Green company, environmentally friendly, aimed to a continuous improvement of quality and safety in industrial processes.

### Ntek S.r.l.

Via Giuseppe Gabrielli, 18  
10077 San Maurizio Canavese (TO)  
ITALY  
[www.ntek.it](http://www.ntek.it)  
[info@ntek.it](mailto:info@ntek.it)  
+39 011 40 53 600

