



**CLEAR VOICE MN™ - TURBO SERIES**  
**PLANAR MAGNETIC MASS**  
**NOTIFICATION SYSTEM**  
**FIXED & MOBILE**

EBIPAX™ INC. 2019

## **CLEAR VOICE MN™**

### **THE NEXT GENERATION OF MASS NOTIFICATION SYSTEM (MNS)**

**INTRODUCING TURBO SERIES LONG DISTANCE CLARITY AND INTELLIGIBLE MNS SCALABLE AND MODULAR SOLUTION**

Designed specifically to meet the harshest acoustical and environmental demands of Mass Notification Systems (MNS), the CLEAR VOICE MN™ TURBO is the first choice of First Responders and Emergency Services Agencies when long distance clarity and intelligibility are the priorities. CLEAR VOICE MN™ TURBO scalable and modular mission critical MNS incorporates cutting-edge magnetic planar transducer technology powered by 4x1000 watt Class D amplifiers delivering unmatched performance, power and clarity to assist Civil Protection, First Responders and Law enforcement agencies in harshest environmental conditions.

CLEAR VOICE MN™ TURBO speaker series combines the power of up to four planar transducers each powered by 1,000 watt amplifier with a new proprietary TURBO DSP circuitry and a waterproof enclosure making it a perfect choice for long-range mobile voice communications. Transmitting live and pre-recorded commands with unparalleled clarity and intelligibility even in the most severe weather and harshest weather conditions.

With new amplification and DSP circuitry, long throw distance capabilities can extend out to 500 meters, with actual throw distances being controlled by environmental and climatic factors. Battery operation allows operation up to 20 hours of operation in 'Standard' mode and can be recharged in 5 hours.

### **MN™ TURBO TECHNOLOGY**

Loss of vocal clarity increase as a result of high frequency absorption, caused in part from changes to air temperature (known as temperature gradients), humidity levels, and the terrain of the ground surface therefore Sound Pressure Levels (SPL) might be reduced by as much as 20-50 dB in conditions when temperature and humidity levels are fluctuating, reducing the intelligibility as distance increases.

CLEAR VOICE MN™ TURBO series digital signal processing (DSP) technology counteracts the reduction in voice clarity caused by atmospheric conditions, cutting through the atmosphere resulting in higher intelligibility at greater distances, even during severe weather conditions.

CLEAR VOICE MN™ TURBO speakers can be operated in either 'TURBO' or 'Standard' mode during calm weather conditions for longer hours of battery operation.



## TURBO SERIES



Can be quickly setup on a tripod stand or mounted on a vehicle with a magnetic Pan/Tilt assembly. With optional custom mounts the device can be attached to any street vehicle, All-Terrain-Vehicle (ATV), aircraft, or marine vessel becoming the ideal solution for:

- Early Warning Systems operated by National Civil protection agencies.
- Police and fire officials communicating to large crowds.
- Public safety & rescue personnel responding in emergency situations.
- Maritime hailing, warning, and safety command.
- Temporary command and control centers and security checkpoints.

Although powered by battery and The TURBO system also comes in a 110AC/220AC version eliminating any run time issues and the need to recharge batteries. The AC version is ideal for use in permanent installations or on large vehicles and maritime vessels that have ample power sources.

MODEL	2-TURBO	4-TURBO
<b>Driver</b>	Two planar magnetic transducers each mounted to a 500 Hz. waveguide	Four planar magnetic transducers each mounted to a 500 Hz. Waveguide
<b>Power Amplifier</b>	2x1000 watts D-Class	4x1000 watts D-Class
<b>Broadcasting Range</b>	Over 375 meters	Over 500 meters
<b>Active System</b>	Built-in high grade, power amplifiers, one microphone level input on balanced 1/4" TRS phone connector, one stereo line unbalanced	
<b>Environmental Design</b>	Designed to meet IP-66 classification and MIL-STD-810F specifications	
<b>Warranty</b>	3 Years for speaker materials and workmanship; 2 years for rechargeable batteries.	
<b>Configurations</b>	Compact, highly portable, full-range Planar Magnetic Speaker with amplifiers, a 2 input preamplifier/mixer, and rechargeable battery power. Also available in AC powered version.	
<b>Accessories</b>	Tripod yoke adapter & tripod speaker stand; Pan/Tilt yoke on magnetic vehicle mount; wireless microphone system; hardshell road case; custom mounts for specific applications, i.e., vehicles, watercraft, etc.; spare headset microphone, spare MP3 player, sp	
<b>Included items</b>	TURBO speaker, rechargeable battery pack, AC battery charger, Wired headset microphone, MP-3 player, and 1/4" stereo adapter cable.	
<b>Weight</b>	16.3Kg w/battery	31.8Kg w/battery
<b>Dimensions</b>	44H x 33W x 36D cm	44H x 61W x 36D cm

For more information on our mission critical intelligence solutions, please contact us at:

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