



## **HYPER SOUND CLEAR™**

**HEAR EVERY WORD™**

*Introducing the first-of-its-kind  
directed audio solution for  
individuals with hearing loss.*

As indicated by clinical research\*, HyperSound® speakers improve sound clarity and speech intelligibility for individuals with hearing loss. Through innovative directed audio technology, HyperSound Clear™ offers a fundamentally new way to deliver sound, and has the potential to revolutionize the home listening experience for individuals with hearing loss and their families.

\*Mehta, RP. Novel ultrasonic sound carrier significantly improves speech discrimination in subjects with hearing loss. Otolaryngology/Neurotology Scientific Session presented at the Combined Sections Meeting of the Triological Society. January 22, 2015, San Diego, CA (ten patients with mild to severe hearing loss in a single-blind, randomized cross over study demonstrated improvement in sound clarity, measured with standard speech tests, over conventional speakers at 70 dB at 1 meter, including in background noise)

 **HYPER SOUND**  
hearing solutions



## **HYPERSOUND CLEAR™ 500P**

### FEATURES



Patented and patent pending ultrasonic speakers beam high quality sound to targeted listeners



Improves sound clarity and speech intelligibility without the need to wear headphones



Programmable and customizable by a hearing professional to a listener's hearing profile and preferences



Amplifier with bright OLED display



Operable by simple, intuitive panel controls or by convenient remote control



Voice optimization feature enhances voice content when watching Dolby Digital\* programs and movies



Multiple inputs for connection to a wide variety of audio sources



May be used with existing TV speakers, soundbars, or surround sound systems so that everyone can enjoy great sound at normal sound volumes



Both table and floor stands included for easy placement in any listening environment

### PRODUCT SPECIFICATIONS

#### System Includes:

- 2 HyperSound Speakers
- Speaker Cables, Audio Cable and Toslink (optical fiber)
- Amplifier
- Power Supply
- Remote Control

#### Speaker Type:

HyperSound proprietary, patented and patent pending film transducer

#### System:

- Max audio SPL output: (single emitter) 85dB @ 1.5 kHz/1 meter

#### Unit Weight:

7.5 pounds (3.4 kg) (per complete system)

#### Electrical:

- AC power cord length: 1.5 meters (5 feet)
- Speaker cord length: (14AWG): 4 meters (12 feet)
- Universal power supply:  
Input: 100V-240V-50/60 Hz  
Output: 48V DC @ 2 amps

#### Mechanical:

- Speaker Dimensions: 14 x 7.6 x 2 inches
- Amplifier: 10.75 x 7 x 2 inches

#### Ultrasonic and DSP Processing:

- Carrier frequency: Proprietary in range of 90 kHz
- Modulation method: Proprietary, patented and patent pending processing
- Dolby Digital Decode

#### Audio:

- Impedance: 10k Ohms
- Input connectors:  
1 RCA style connector analog (per channel)  
2 Toslink (Optical)  
1 3.5mm (analog)
- Output connectors:  
Powered woofer output:  
1 RCA style (woofer sold separately)
- Feed-through optical audio output:  
1 Toslink style
- System configuration:  
Stereo 2 channel  
Dolby, 5.1 decode
- Max input for max output: 2Vrms per channel
- Frequency response: 300 Hz to 22kHz