

#### HyperSound® - At A Glance

HyperSound® is an innovation in audio that generates an ultrasonic beam of sound. Similar to how a flashlight controls a ray of light, HyperSound® beams sound so only those in the targeted listening area can hear it. Slim speaker design makes integration into applications easy. Innovative audio technology makes it a uniquely effective solution for adding audio to even acoustically challenging environments.

HyperSound's narrow sound beam limits audio to a specific location, creating a precise audio zone. Clear, engaging audio enhances customer experiences by making marketing messages more immersive, informative, memorable, and attention-grabbing.



#### **Advantages & Benefits**

- Specifically designed for applications within retail, trade show, kiosk and digital signage environments
- Small speaker size and slim design make integration into digital applications easy
- The ability to target each ear separately produces an immersive 3D listening experience
- Highly directional, precise sound beam creates audio zones and eliminates sound bleed

#### **Specifications**

- Speaker dimensions: 12 1/2" x 6 3/8" x 2 1/8"
- Amplifier dimensions: 6 1/4" x 6 3/4" x 1 7/8"
- Speaker Colors: White & Black
- Power Supply: Input 100V-240V 50/60 Hz / Output 30V DC @1.5A
- Weight: 7 1/2" Pounds (Complete 2 Speaker System)
- Operating temperature: 10°C to 40°C (50°F to 104°F)
- Storage temperature: -20°C to 50°C (-4°F to 122°F)
- Operating humidity range: 0 to 95% (non-condensing)
- Storage humidity range: 0 to 95% (non-condensing) • Max audio SPL output: (per emitter) 100dB @ 1.5kHz/2 meters
- Impedance: 10k Ohms
- Max input for max output: 160mVrms per channel
- Ultrasonic speaker type: HyperSound proprietary, patented and patent pending monolithic film transducer
- Frequency response: 300Hz to 18kHz





- Carrier frequency: Proprietary in the range of 40kHz
- Amplifier type: Customized Class D digital
- Amplifier power output: 15 Watts

#### In The Box

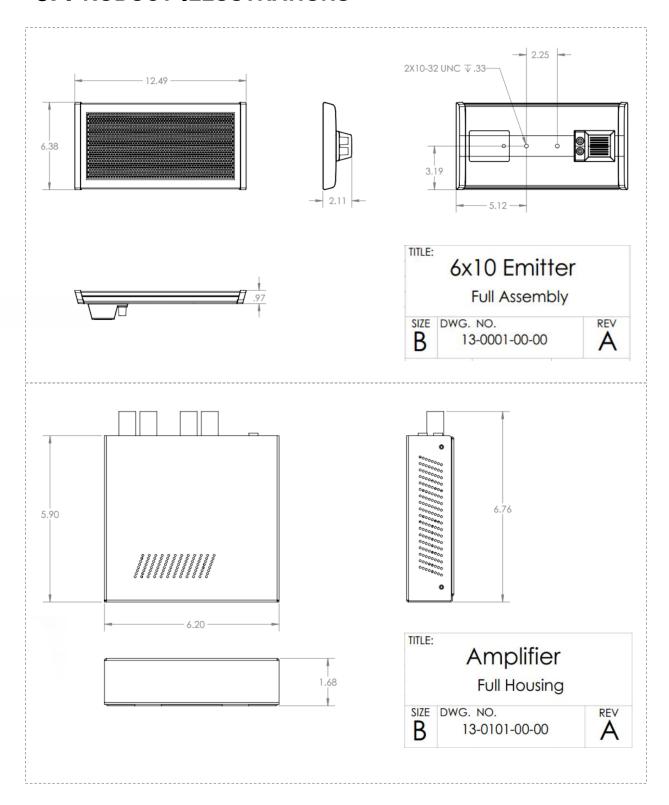
- 1 (mono system) or 2 HyperSound Speakers (White or Black)
- Set of 7' Red & Black Speaker Cables With Banana Connectors
- 30 Volt DC External Regulated Power Supply
- 6 Foot 3.5mm Jack To Male RCA Audio Cable
- 6 Foot Male RCA To Male RCA Audio Cable







### 5. PRODUCT ILLUSTRATIONS



# 6. PRODUCT SPECIFICATIONS MODEL HSS-3000

#### **Electrical:**

AC power cord length:
1.5 meters (5 feet)
Speaker cord length
(14AWG):
2 meters (6.5 feet)
Universal power supply:
Input: 100V-240V-50/60
Hz

Output: 30V DC @ 1.5

amps

#### Mechanical:

Speaker dimensions: 12.5 x 6.375 x 2.125 inches Amplifier box: 6.25 x 6.75 x 1.875 inches Unit Weight: 7.4 pounds (3.4 kg) (per complete system)

#### Colors:

Black - Standard White - Standard

#### **Environmental:**

Operating temperature: 10°C to 40°C (50° to 104°F) Storage temperature: -20°C to 50°C (-4°to 122°F) Operating humidity range: 0 to 95% (noncondensing) Storage humidity range: 0 to 95% (noncondensing)

#### System:

Max audio SPL output: (single speaker) 89dB @ 1.5 kHz/2 meters

#### Audio:

Impedance: 10k Ohms
Input connectors: 1
RCA style connector
(per channel)
Speaker cable
connectors:
2 banana style
connectors (per
speaker)
Powered subwoofer
output:
1 RCA style

#### System configuration:

Stereo 2 channel or mono Max input for max output: 160 mVrms per channel Frequency response: 300 Hz to 18kHz

## Ultrasonic and DSP Processing:

Carrier frequency:
Proprietary in range of
40 kHz
Modulation method:
Proprietary and patent
pending processing

## Ultrasonic Speaker Type:

HyperSound proprietary, patented and patent pending monolithic film transducer

#### **Power Amplification:**

Amplifier type: Customized Class D digital Amplifier power output: 15 watts

Specifications are subject to change without notice.