SoundSaber 100 is designed to be integrated into a mass notification system as an upgrade or new installation.

Using ATC’s patented NeoPlanar® technology, SoundSaber 100 creates superior sound quality, higher sensitivity, lower wattage power amplifier requirements and greater power handling capabilities for sound pressure levels as high as 111 dB in a package that is 27 inches long by 9 inches wide by 8.5 inches deep, weighing only 17 pounds. The result is a clear, crisp audio dispersion pattern suitable for any notification system, regardless of ambient noise or the scale of broadcast.

Our proprietary design and unique assembly technology replaces the traditional speaker cone with an almost weightless thin-film diaphragm driven by the force of high energy magnetics for less distortion and higher dynamic range than other planar drivers of a similar size. Mass notification messages delivered through SoundSaber 100 systems feature clean, transparent sound and are easily understood by listeners.
### WEIGHT
- **Emitter Array Weight**: Approximately 17 lbs

### UNIT COLOR
- **SoundSaber 100**: Gray

### MECHANICAL
- **Physical Dimensions**: 27” x 9” x 8.5” (L x W x D)
- **Number of Elements**: 1

### ENVIRONMENTAL
- **Operating Temperature**: -40°C to 60°C

### SHOCK AND VIBRATION TESTED
- **Tested to Grade “A” shock and vibration**

### TECHNICAL PERFORMANCE
- **Maximum SPL**: 111 dB @ 60 Watts/1 Meter/4.5 kHz
- **Frequency Response**: 250 Hz to 17 kHz (-10 dB)
- **Total Harmonic Distortion**: 1.7% at 1 kHz*
- **Directivity Characteristics**:
  - Horizontal Placement: +/-18° @ 1 kHz; +/-12° @ 2 kHz
  - Vertical Placement: +/-70° @ 1 kHz; +/-68° @ 2 kHz
- **Sensitivity**: 87.5 dB at 1 Watt/1 Meter/1 kHz*
- **Impedance**: Non-reactive, 3.6 Ohms (purely resistive load)*
- **70V Distribution Transformer**: Built in, 20W/40W/60W Selectable

*Without 70V Distribution Transformer

---

**SoundSaber 100 Frequency Response**

---

![SoundSaber 100 Frequency Response Chart](chart.png)