



LEADING BY DESIGN

LSS880

Loudspeaker System



IMAGE SOURCE: EDMONTON POLICE DEPARTMENT

LSA400 Loudspeaker Amplifiers

Our latest loudspeaker amplifier incorporates new-generation parts and automated electronic assembly, allowing for a reasonable price point that translates into reduced costs to the end-user. Compared to its predecessor, this light-weight amplifier processes and optimizes the audio signal to deliver the best output while consuming less DC power. AEM's incorporation of a 'smart power supply' modifies the amplifier output to meet the output load demand. Our high-end 'Class D' product is DO-160G and DO-214 qualified and is certified on several aircraft.

Designed and qualified to meet the operational roles of both medium- and large-frame helicopters.

AEM's next-generation loudspeaker systems are a family of redesigned Loudspeakers (LS), Loudspeaker Amplifiers (LSA), and Loudspeaker Controllers (LSC) delivering fantastic sound quality and power output in a lighter, smaller, and less expensive package than comparable systems on the market today. We designed and qualified the LSS880 system to meet the operational roles of both current and future medium- and super-medium helicopters. The LSS880 delivers 880W of effective peak audio output power and has become the system of choice for many law enforcement and SAR helicopter operators worldwide.

LS600 Series Loudspeaker

AEM's LS600 loudspeakers provide optimal conversion of electrical power (watts) to sound pressure (SPL) due to the use of powerful speaker drivers and a new, robust mechanical design. The new speaker provides amplified sound power output from a smaller mechanical footprint and is DO-160G qualified. A certified speaker mounting bracket is available to simplify the mechanical installation effort.

LSC22 Series Loudspeaker Controllers

The LSC22 series is the latest controller for AEM's loudspeaker systems; it delivers the features and performance demanded by today's special-role aircraft operators. Eliminate cockpit noise by utilizing the front-mount auxiliary input to transmit recorded messages from an MP3 player or smartphone—no more interference from live-mic broadcasting! The convenient onboard digital storage means fast recording and playback of your messages, and a supplied radio input allows for radio rebroadcast operation. Configurable siren audio and an integrated 25W cabin PA amplifier round out the features of the LSC22. The LSC22 Series Controllers are available with optional NVG lighting.

LSS880 Features

- Front-mount auxiliary input allows message transmission from an MP3 player or smartphone
- Convenient onboard digital storage for fast recording and playback
- Processes and optimizes the audio signal for the best audio output
- Over 880W of effective, peak audio output power
- DO-160G and DO-214 qualified
- Optional NVIS compatible lighting
- Optional MIL-STD Speaker Connectors



Meeker Aviation worked with AEM to adapt their speaker bracket, Meeker Part #AFM-SB-1-1A, to fit the LS600 speaker, enabling attachment to several 'payload mounts' that Meeker have certified on various airframes.

| LS600 MECHANICAL SPECS | |
|------------------------|--------------|
| HEIGHT | 10.3" |
| WIDTH | 13.2" |
| LENGTH | 12.8" |
| WEIGHT | 28 LB (EACH) |

| LSA400 MECHANICAL SPECS | |
|-------------------------|--------------|
| HEIGHT | 5.45" |
| WIDTH | 2.04" |
| LENGTH | 9.8" |
| WEIGHT | 3.7 LB (MAX) |

| LSC22 MECHANICAL SPECS | |
|------------------------|--------|
| HEIGHT | 1.11" |
| WIDTH | 5.74" |
| LENGTH | 6.32" |
| WEIGHT | 1.3 LB |

For more details, please email newproducts@aem-corp.com and see Installation & Operation manuals on our website: aem-corp.com

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