



# LEADING BY DESIGN

## LSS1320-139

### Loudspeaker System



IMAGE SOURCE: [HTTPS://COMMONS.WIKIMEDIA.ORG/WIKI/FILE:EC-LCH\\_\(LEXJ,\\_2016-08-11\).JPG](https://commons.wikimedia.org/wiki/File:EC-LCH_(LEXJ,_2016-08-11).JPG)

**Designed and qualified to meet the operational roles of both current and future medium, super medium, and large helicopters.**

AEM's LSS1320-139 loudspeaker system comprises new generation controllers, amplifiers, and speakers to deliver fantastic sound quality and power output in a smaller, less expensive package than comparable systems on the market today. We designed and qualified the LSS1320-139 system to meet customer-specific requirements for AW139 SAR applications, but the system also fits the operational roles of other medium and super medium helicopters such as the Surion, AW189, EC175, and S-92.

#### 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.

#### LSA800 Series Power Amplifiers

Our latest high-power 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 lighter-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 types.

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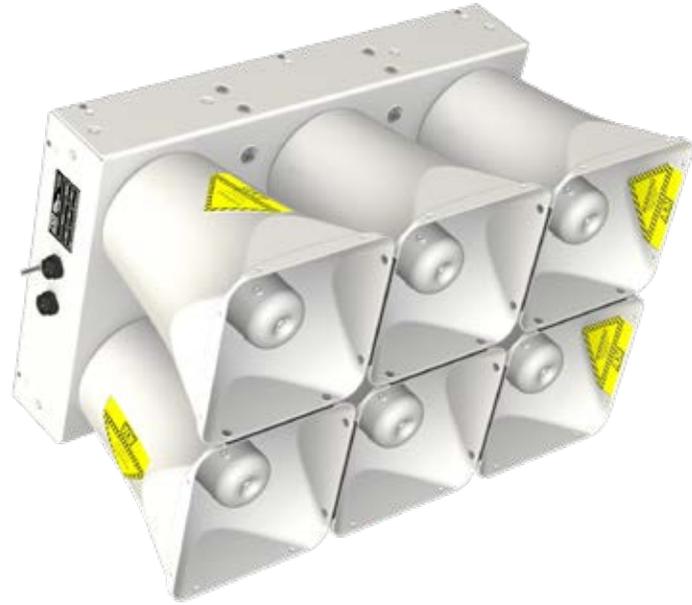
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## TS95-16DS Speakers

AEM's TS95-16DS is a six-bell, high-power speaker with a steel chassis that provides magnetic shielding. We fitted the TS95 with updated high-power speaker drivers to produce higher conversion of electrical power (watts) to sound pressure (SPL). Our TS95 stemmed from the same mechanical configuration as the legacy TS92-06xx series speakers, enabling it to be used for loudspeaker system upgrades with, typically, minor mechanical modifications to the aircraft speaker mount.

## LSS1320-139 System 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
- 1320W+ of effective, peak audio output power
- DO-160G and DO-214 qualified
- Optional NVIS-compatible lighting



LSC22 MECHANICAL SPECS	
HEIGHT	1.11"
WIDTH	5.74"
LENGTH	6.32"
WEIGHT	1.30 LB.

LSA800 MECHANICAL SPECS	
HEIGHT	5.51"
WIDTH	3.74"
LENGTH	9.86"
WEIGHT	6.30 LB. (MAX)

TS95-16DS MECHANICAL SPECS	
HEIGHT	10.84"
WIDTH	20.10"
DEPTH	13.40"
WEIGHT	49.50 LB.

For more details, please email [newproducts@aem-corp.com](mailto:newproducts@aem-corp.com) and see Installation & Operation manuals on our website: [aem-corp.com](http://aem-corp.com)

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