

Wired Microphones

Preliminary



EM-800 + ST-800

Versatile high performance microphones for various applications.

TOA introduces a new line of microphones that offer superb sound quality and reliability. Featuring TOA's leading audio technologies that have established the company's position in sound reinforcement, security and related industries, the new microphones represent a level of performance that exceeds that of previous similar TOA microphone models. Featuring extended high-frequency response to enhance clarity and high resistance to ambient noise, speech reproduction is exemplary. Stylishly designed and compact, the new TOA microphones comprise the EM-800 Gooseneck, the EM-700 Boundary, the EM-600 Flush Mount Boundary, and the EM-410 Lavalier models.



EM-700



EM-600



EM-410



- *Four microphone types to suit applications*
- *Electret condenser mic elements for high sound quality*
- *Offering a smooth, wide frequency response extending into the high frequencies to ensure audio clarity and intelligibility.*



EM-800 Gooseneck Microphone (with ST-800)

- Designed to satisfy installation requirements of wide-ranging venues such as places of worship, courtrooms and retail stores.
- Electret condenser element with cardioid pickup pattern and good off-axis rejection that minimizes the potential for feedback.
- Wide frequency range provides well-balanced sound with clarity and a satisfying tonal response.
- New gooseneck design offers two adjustment points for flexible mic setting angles.

Element:	Electret Condenser
Polar Pattern:	Cardioid
Frequency Response:	60Hz – 20kHz
Sensitivity:	–37dB (0dB = 1V/1Pa. 1kHz)
Rated Impedance:	100Ω, balanced
Phantom Power:	9 – 52V DC
Output Connector:	XLR-3-12 or equivalent
Option:	Microphone stand: ST-800



EM-600 Flush-Mount Boundary Microphone

- Unobtrusive design allows easy flush-mounting in walls, ceilings and desktops as required.
- Especially suited for conference room recording as well as use in monitoring for security purposes.
- Omnidirectional pickup pattern with a wide frequency range from 30Hz to 20kHz.
- The EM-600 has been designed to minimize picking up low frequency sounds that degrade audio performance. In addition, the EM-600 incorporates rubber isolation rings to resist vibrations which also affect audio quality.

Element:	Electret Condenser
Polar Pattern:	Omnidirectional
Frequency Response:	30Hz – 20kHz
Sensitivity:	–39dB (0dB = 1V/1Pa. 1kHz)
Rated Impedance:	100Ω, balanced
Phantom Power:	9 – 52V DC
Output Connector:	XLR-3-12 or equivalent



EM-700 Boundary Microphone

- Ideal for applications that require high sound quality ranging from sound reinforcement, professional recording, conferencing and other demanding sound pickup situations.
- The frequency response extends over the full range of audible sound and ensures accurate reproduction.
- Low-cut filter switch cuts low-frequency ambient noise around the desk from being picked up.
- Cardioid pickup pattern rejects off-axis sound to achieve very high gain until feedback starts.
- Small diameter mic capsule positioned close to the mic housing boundary to minimize phase interference.
- Design optimized to deliver best performance when used on a desk.
- Slim, stylish design suits interior decor.

Element:	Electret Condenser
Polar Pattern:	Cardioid
Frequency Response:	35Hz – 20kHz/60Hz – 20kHz (Low-Cut)
Sensitivity:	–32dB (0dB = 1V/1Pa. 1kHz)
Rated Impedance:	100Ω, balanced
Phantom Power:	9 – 52V DC
Output Connector:	XLR-3-12 or equivalent
Cable Length:	7.5m



EM-410 Lavalier Microphone

- Engineered for clean and accurate reproduction of voice and maximum intelligibility.
- Ideal for lectures, religious services and any voice-oriented application.
- Compact electret condenser element with hypercardioid pickup pattern and good off-axis rejection that minimizes the potential for feedback.
- Compared to conventional lavalier microphone, the EM-410 was designed specifically to provide the best performance when attached to the chest such as a shirt front.
- Minimizes noise pickup from clothes rustling and cable.
- Capsule freely rotates to allow the best voice pickup even if the EM-410 is attached to the user's lapel.

Element:	Electret Condenser
Polar Pattern:	Hypercardioid
Frequency Response:	100Hz – 16kHz
Sensitivity:	–45dB (0dB = 1V/1Pa. 1kHz)
Rated Impedance:	100Ω, balanced
Phantom Power:	9 – 52V DC
Output Connector:	Phone plug
Cable Length:	5.0m



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Specifications are subject to change without notice.
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