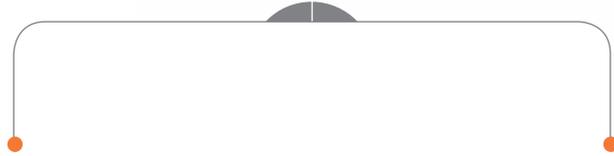


# **JBL** COMMERCIAL SERIES

MIXER-AMPLIFIERS | AMPLIFIERS | MIXERS



# JBL® COMMERCIAL SERIES



## MIXER-AMPLIFIERS | AMPLIFIERS | MIXERS

JBL® Commercial Series, a dynamic blend of the best HARMAN brands, knows for any business, the audio system is essential to keeping their customers informed and captivated.

Leveraging the expertise honed by years of precision sound reproduction and technical innovation by JBL, Crown and other HARMAN brands, JBL Commercial crafts top-quality components to offer high-performance yet affordable sound systems.

By providing a premium listening experience for decades in everything from large arenas to private homes, JBL is one of the most recognized and respected brands in the audio industry. Capitalizing on JBL's legendary achievements in audio and technology innovations enables JBL Commercial to set new standards in sound.

Designed and engineered by Crown for JBL Commercial Series, our lineup of mixer-amplifiers, amplifiers and mixers delivers clear sound for announcements and music for everything from a casual coffee shop to a crowded night club.

Plus, with HARMAN's GreenEdge™ environmentally conscious manufacturing, our products dramatically reduce energy consumption and leave a smaller footprint behind on the world.

As your single-brand source, JBL Commercial Series simplifies the search for high-performance, comprehensive and versatile audio solutions for your business customers.



## DRIVECORE™ TECHNOLOGY

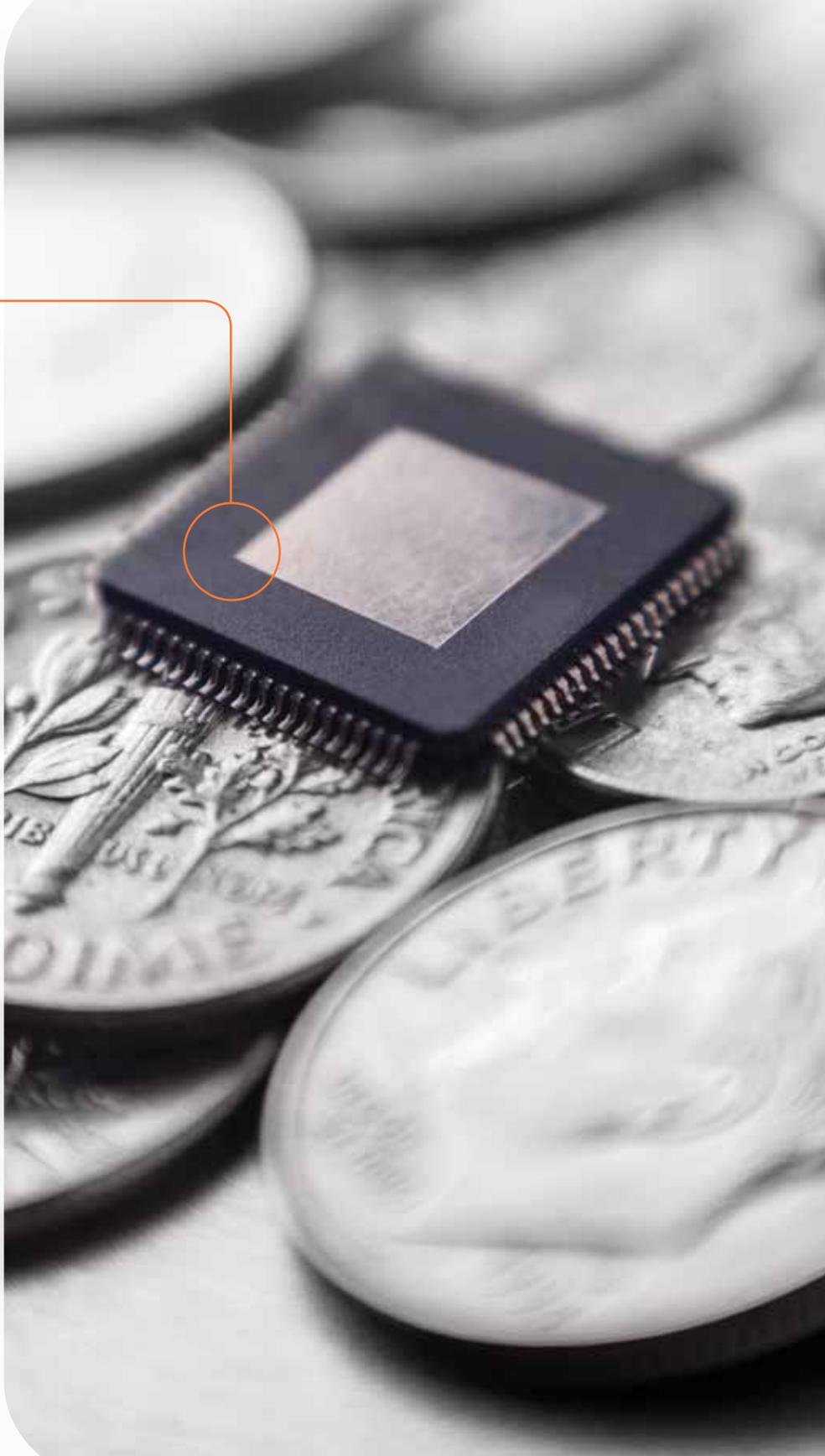
Combining hundreds of parts into one chip smaller than a dime, DriveCore provides:

- *More operating efficiency and reliability by using fewer parts*
- *Significantly reduced power consumption*
- *The audio quality of a highly evolved Class AB design in an ultra-efficient amp*
- *Greater accuracy, reduced weight and best-in-class signal-to-noise performance*

## 70V & 100V

Power efficiency and cost efficiency combine in a versatile, high-impedance system that:

- *Allows one amp channel to drive multiple speakers without complex wiring*
- *Produces different sound levels for different listening areas using the same amp channel*
- *Uses smaller gauge, less-expensive cable compared to typical 8 ohm speaker system*
- *Expands easily – just add to a speaker run*
- *Simplifies adding volume control to single- or multiple-speaker zones*



## GREENEDGE™ BY HARMAN

HARMAN GreenEdge audio systems utilize innovative amplifier and speaker technologies that increase efficiency levels. This means the new HARMAN GreenEdge audio system solutions are more energy-efficient and lighter weight than conventional systems while delivering the power and quality you expect from HARMAN brands.



Manufactured under HARMAN's GreenEdge initiative, JBL® Commercial mixer/amps:

- *Conform to lead-free RoHS standards*
- *Use recycled copper, aluminum and steel from factory processes*
- *Require less power and produce less heat*
- *Are lighter in weight leading to less freight and reduced emissions*
- *Include a low-energy powder coat that uses 33% less energy*





# MIXER-AMPLIFIERS



## ENERGY EFFICIENCY NEVER SOUNDED SO GOOD

Our new high-performance Commercial Series Mixer-Amplifiers (CSMA) represent the latest example of JBL® Commercial innovation. Driving 8 ohm and 4 ohm loads, CSMA units include Euro-block mic/line inputs, unbalanced RCA inputs, and RJ45 port for remote volume control.

Leveraging high-efficiency DriveCore™ Technology and GreenEdge™ manufacturing to quickly pay for themselves in energy savings, our CSMA line offers you an easy-to-use professional tool with uncompromised performance that is ENERGY STAR® certified.

- ENERGY STAR® certified
- Fanless, space-saving 1U design
- Configurable output routing (2 channel only)
- Independent bass/treble controls for each output channel
- Euro-block type mic/line input and output connectors, and unbalanced RCA inputs for consumer connection
- Supports 70V and 100V distributed audio systems without needing a separate transformer
- Remote volume control capability using JBL CSR-V module and standard Ethernet cable



**70V 100V DRIVECORE™**

	CSMA180	CSMA1120	CSMA240	CSMA280	CSMA2120
POWER OUTPUT PER CHANNEL	80W	120W	40W	80W	120W
INPUTS	4	4	8	8	8
OUTPUT CHANNELS	1	1	2	2	2
INPUT SENSITIVITY	.775Vrms for 8Ω	.775Vrms for 8Ω	.775Vrms for 8Ω	.775Vrms for 8Ω	.775Vrms for 8Ω
PHANTOM POWER	27VDC	27VDC	27VDC	27VDC	27VDC
PRIORITY MUTING	Yes	Yes	Yes	Yes	Yes
CONFIGURABLE OUTPUT ROUTING	No	No	Yes	Yes	Yes
AC LINE VOLTAGE	100-240V, 50/60 Hz	100-240V, 50/60 Hz	100-240V, 50/60 Hz	100-240V, 50/60 Hz	100-240V, 50/60 Hz
DIMENSIONS (HxWxD)	1.7" x 8.6" x 11.9" (43.3mm x 218.5mm x 303.4mm)	1.7" x 8.6" x 11.9" (43.3mm x 218.5mm x 303.4mm)	1.7" x 17.2" x 11.9" (43.3mm x 436.9mm x 303.4mm)	1.7" x 17.2" x 11.9" (43.3mm x 436.9mm x 303.4mm)	1.7" x 17.2" x 11.9" (43.3mm x 436.9mm x 303.4mm)
INCLUDED ACCESSORIES	Rack mounting kit	Rack mounting kit	Rack mounting kit	Rack mounting kit	Rack mounting kit





# MIXERS



## VERSATILE

Backed by the combined technological prowess of multiple HARMAN brands, the JBL® Commercial Series Mixers (CSM) deliver unsurpassed quality in commercial sound.

## CS MIXERS

Easily configured for a range of applications, such as background music, security, and paging, CSM units are designed for everything from schools and hospitals to restaurants and fitness facilities.

- 4 or 8 inputs with 1 or 2 channel outputs
- Fanless, space-saving 1U design
- Configurable output routing (2 channel models only)
- Independent base/treble controls
- Euro-block type mic/line input and output connectors, and unbalanced RCA inputs for consumer connection
- Supports JBL CSR-V wall controller via Ethernet cable
- Priority muting, VOX ducking, and phantom power for all models



### CSM14

### CSM28

INPUTS	4	8
OUTPUT CHANNELS	1	2
INPUT SENSITIVITY	Mic input: 3mVrms Line Input: 775mVrms RCA Input: 300mVrms	Mic input: 3mVrms Line Input: 775mVrms RCA Input: 300mVrms
PHANTOM POWER	27VDC	27VDC
PRIORITY MUTING	Yes	Yes
CONFIGURABLE OUTPUT ROUTING	No	Yes
AC LINE VOLTAGE	100 - 240V, 50/60 Hz	100 - 240V, 50/60 Hz
DIMENSIONS (HxWxD)	1.7" x 8.6" x 11.9" (43.3mm x 218.5mm x 303.4mm)	1.7" x 17.2" x 11.9" (43.3mm x 437mm x 303.4mm)
INCLUDED ACCESSORIES	Rack mounting kit	Rack mounting kit



For more information, please visit: [jblcommercialproducts.com](http://jblcommercialproducts.com) | [crownaudio.com](http://crownaudio.com)

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