



For more information, please visit:

[jblcommercialproducts.com](http://jblcommercialproducts.com)  
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All specifications subject to change without prior notice.

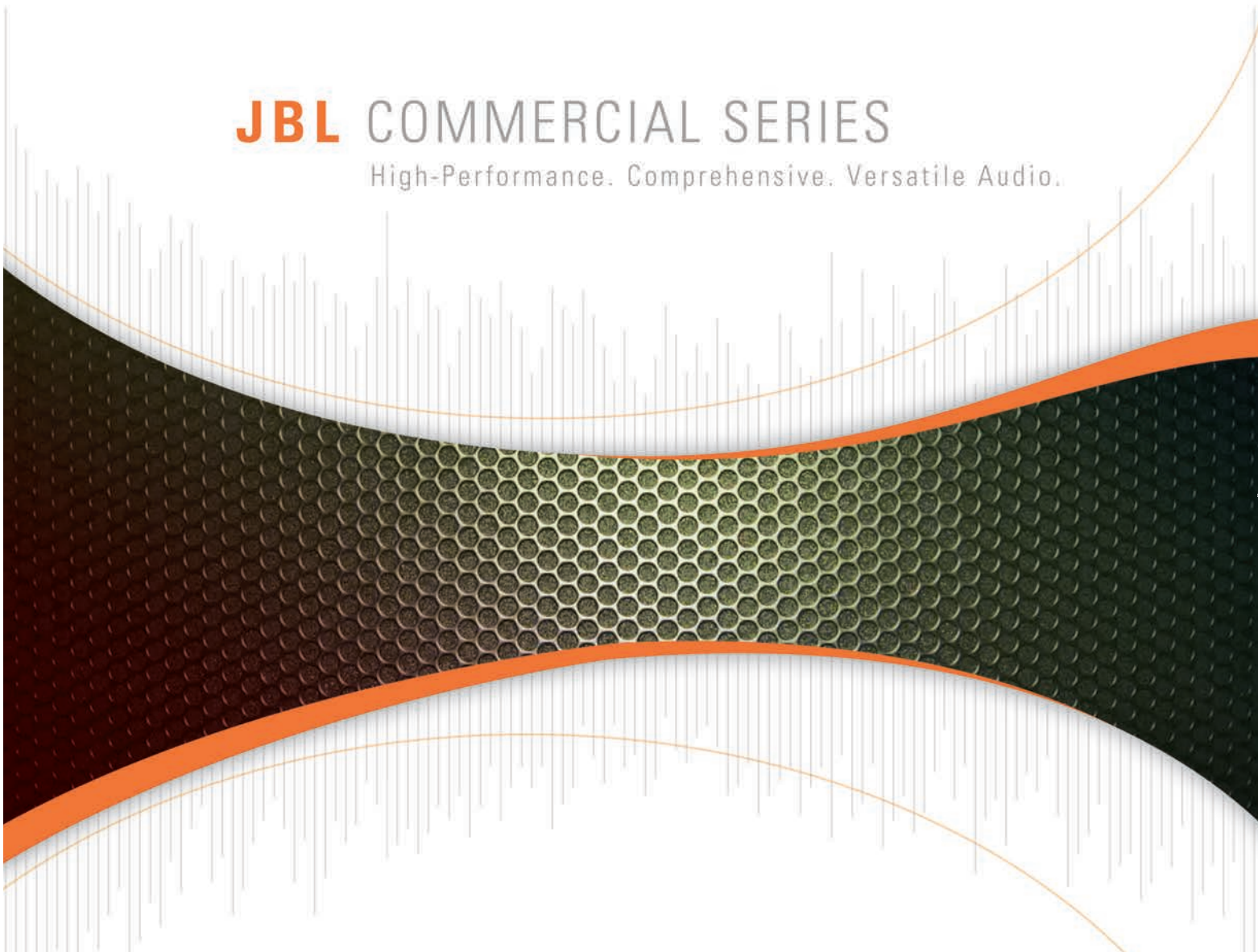
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# JBL COMMERCIAL SERIES

High-Performance. Comprehensive. Versatile Audio.





## JBL COMMERCIAL SERIES

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

Leveraging the expertise honed by years of precision sound reproduction and technical innovation by JBL and other HARMAN brands, JBL Commercial craft stop-quality componentsto offer you 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 engineering and technology enables JBL Commercial to set new standards in sound.

That means you'll find that our integrated array of mixer-amplifiers, amps, mixers, speakers, microphones, and wall controllers delivers precise, reliable sound in any commercial application, from soothing spa to bustling bars.

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



# MIXER-AMPLIFIERS

## ENERGY EFFICIENCY NEVER SOUNDED SO GOOD

Innovation is always evident throughout the JBL® Commercial Series product line, and our new high-performance, energy-efficient Commercial Series Mixer-Amplifiers (CSMA) represents the latest example.

Manufactured using HARMAN's GreenEdge™ clean standards, including a low-energy powder coat that uses 33% less energy, CSMA units conform to lead-free RoHS standards. By incorporating Crown's exclusive DriveCore™ technology, they also deliver unsurpassed reliability, thermal management and power efficiency.

Offering unmatched ease of use and driving 8 ohm and 4 ohm loads, CSMA units include balanced mic/line inputs, unbalanced RCA inputs and speaker connections, and RJ45 connectors to use with JBL CSR-V in-wall volume controls.

- 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
- Priority muting, VOX ducking, and phantom power for all models



70V 100V DRIVECORE™



## SPECIFICATIONS

MODEL	Power Output (per channel)	Inputs	Output Channels	Size
CSMA180	80W	4	1	1U Half-Rack
CSMA1120	120W	4	1	1U Half-Rack
CSMA240	40W	8	2	1U Full-Rack
CSMA280	80W	8	2	1U Full-Rack
CSMA2120	120W	8	2	1U Full-Rack

Visit [JBLCOMMERCIALPRODUCTS.COM](http://JBLCOMMERCIALPRODUCTS.COM) for full specifications.



# AMPLIFIERS

## SMALL FOOTPRINT. BIG SOUND.

By combining years of innovation, invention and insight from HARMAN brands, JBL® Commercial Series Amplifiers (CSA) go well beyond the expected in generating powerful sound.

From the switch-mode universal power supply to the efficient performance of Crown's DriveCore™ Technology, we continue to set new standards in commercial power amplifier technology.

## CS AMPLIFIERS

Simple to configure, the CS Amp provides a DriveCore-based sound solution. This replaces up to 500 parts with one small chip, significantly reducing the part count and increasing reliability while maintaining superb performance.

Supporting 70V and 100V installations out of the box, CS Amps include RJ45 connectors for use with JBL CSR-V in-wall volume controls. Its universal power supply allows every CS Amp to accept AC voltages from 100 to 240 VAC, 50/60 Hz.

And with HARMAN's GreenEdge™ environmental initiative, CS Amps quickly pay for themselves in energy savings.

- 1 or 2 output channels with 40W, 80W, 120W per channel
- Built-in 70V and 100V
- Fanless, space-saving 1U design
- Sleep mode disable function
- Energy-efficient amplifier
- Sleek industrial look with illuminated rings making knobs easy to see and use
- Supports the JBL CSR-V wall controller via Ethernet cable
- Universal power supply



70V 100V DRIVECORE™



## SPECIFICATIONS

MODEL	Power Output (per channel)	Output Channels	Size
CSA140Z	40W	1	1U Half-Rack
CSA180Z	80W	1	1U Half-Rack
CSA1120Z	120W	1	1U Half-Rack
CSA240Z	40W	2	1U Half-Rack
CSA280Z	80W	2	1U Half-Rack
CSA2120Z	120W	2	1U Half-Rack

Visit [JBLCOMMERCIALPRODUCTS.COM](http://JBLCOMMERCIALPRODUCTS.COM) for full specifications.

## CSA-2120 & CST-2120

A professional-grade, two-channel model, the CSA-2120 power amplifier provides simple analog front-end processing. Delivering 2 x 120W at 4 and 8 ohms, this efficient, lightweight unit is convection-cooled and has an auto-standby mode to save energy.

The JBL® CST-2120 transformer module comes with a rack mounting kit so you can install it to a cabinet or wall. It supplies impedance and voltage matching from the CSA-2120 amplifier (with 4 and 8 ohms outputs) to drive 70V and 100V distributed speaker systems.

### CSA/CST FEATURES

- Auto-standby mode for energy savings
- Balanced (Euroblock) and unbalanced (RCA) mono-summing inputs
- 1U lightweight design
- Plenum rated
- Over-heat auto protection
- Switch-mode universal power supply

### CSA-2120 AUDIO AMPLIFIER

- 2 x 120W at 4 and 8 ohms
- Compact size (1.75"H x 8.2"W x 9"D)
- Lightweight (under 4 lbs.)
- Optional Transformer Kit: CST-2120 for Hi-Z applications

### CST-2120 TRANSFORMER KIT

- Providing two channels for constant voltage operation
- 70V/100V Outputs
- Rack-mountable with CSA2120
- Detachable block input and output connectors



## SPECIFICATIONS

CSA Output Power	120W per channel
CSA Channels	2
CSA Sensitivity (8 ohms load)	1.4 Vrms
CSA Signal to Noise Ratio	>100 dB
Weight & Size	2.9 lbs. (1.3 kg) ; 1U, Half-rack

Visit [JBLCOMMERCIALPRODUCTS.COM](http://JBLCOMMERCIALPRODUCTS.COM) for full specifications.

# MIXERS

## EASY TO USE AND 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.

They feature RJ45 connectors for use with JBL CSR-V in-wall volume controls, and a universal power supply that accepts AC voltages from 100 to 240 VAC, 50/60 Hz.

Plus, they're rebuilt using HARMAN's GreenEdge™ clean standard to offer numerous energy-efficient benefits, including a lighter weight, space-saving design, and conforming to RoHS standards.

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



## SPECIFICATIONS

MODEL	Inputs	Outputs	Size
CSM-14	4	1	1U Half-Rack
CSM-28	8	2	1U Full-Rack

Visit [JBLCOMMERCIALPRODUCTS.COM](http://JBLCOMMERCIALPRODUCTS.COM) for full specifications.

## CSM-21 AND CSM-32 PUBLIC ADDRESS MIXERS

The JBL® Commercial Series CSM-21 and CSM-32 Mixers offer a wide array of processing tools, including priority override, page ducking, source and zone EQ, and a built-in crossover.

Helping maintain optimum level through the system, LevelGuard™ automatically applies the right amount of compression to the source signals based upon the incoming level.

AutoWarmth™ automatically adjusts the tonal balance within a zone based upon the zone output level, preventing music from sounding thin at lower levels or excessively resonant at higher levels.

- Auto-standby mode for energy savings
- Balanced (Euroblock) and unbalanced (RCA) mono-summing inputs
- 1U lightweight design
- Plenum rated
- Over-heat auto protection
- Switch-mode universal power supply
- Quick and simple configuration via front/rear panel controls
- Security plate for front panel lockout (included)
- CSM-21 only:
  - 2 stereo inputs, 1 mic input and 1 line input for priority audio
  - 1 stereo output with dedicated subwoofer output
- CSM-32 only:
  - 3 stereo inputs, 1 mic input and 1 line input for priority audio
  - 2 stereo outputs with dedicated subwoofer output
  - 1 mono isolated output for music-on-hold system





# LOUDSPEAKERS

**CONSUMMATE CLARITY** JBL® Commercial Series Speakers are designed for a variety of businesses, including retail, restaurants, casinos, convention centers, museums and much more. With ceiling, in-wall and indoor/outdoor offerings—all providing maximum sound levels—you can choose the speaker system solution that's just right for your business.

## CEILING LOUDSPEAKERS

### CONTROL 12C/T

#### 3" Ceiling Speaker

- 20W at 8 ohm, 15W multi-tap at 70V/100V
- 68 Hz - 17 kHz bandwidth with wide 130 degree coverage
- Includes mounting hardware
- Available in black or white



### CONTROL 14C/T

#### 4" Ceiling Speaker

- 30W at 8 ohm nominal setting; 25W multi-tap at 70V/100V
- 74 Hz - 20 kHz bandwidth with wide 120 degree coverage
- Includes mounting hardware
- Available in black or white



### CONTROL 16C/T

#### 6-1/2" Ceiling Speaker

- 50W at 8 ohm nominal setting; 15W multi-tap at 70V/100V
- 62 Hz - 20 kHz bandwidth with wide 110 degree coverage
- Includes mounting hardware
- Available in black or white



### 8124

#### 4" Ceiling Speaker

- 20W at 8 ohm, 15W multi-tap at 70V/100V
- High sensitivity (93 dB, 1W, 1 m) for maximum power efficiency
- C-Ring (MTC-8124C) and tile rails (MTC-RAIL) optional



### 8128

#### 8" Ceiling Speaker

- 25W at 8 ohm, 15W multi-tap at 70V/100V
- High sensitivity (97 dB, 1W, 1 m) for maximum power efficiency
- C-Ring (MTC-8128C) and tile rails (MTC-RAIL) optional



### 8138

#### 8" Ceiling Speaker

- 25W at 8 ohm, 15W multi-tap at 70V/100V
- High sensitivity (97 dB, 1W, 1 m) for maximum power efficiency
- MTC-81BB8 backcan and MTC-81TB8 (optional)



### CSS8004 – 4" / CSS8008 – 8" / CSS8018 – 8" Ceiling Speakers

- Driver size (dual-cone): 100 mm (4") / 200 mm (8") / 200 mm (8")
- Driver sensitivity (mid-range, 1W, 1m): 90 dB / 96 dB / 97 dB
- Frequency range (installed in CSS backcan): 130 Hz-18 kHz / 100 Hz-16 kHz / 90 Hz-16 kHz
- Coverage: wide 75 degrees / 120 degrees conical / 110 degrees
- Corresponding Backcan: CSS-BB4 / CSS-BB8 (packed in sets of 6 pcs)
- Tile Rails: CSS-TR4/8 (pack of 12 pcs)



## C65P/T

### Compact Full Range Pendant Speaker

Excellent sound quality coupled with stylish design and easy installation.

- 150W, 8 ohms and 60W multi-tap transformer
- 102 degree conical coverage
- 55 Hz – 20 kHz frequency (-10 dB)
- Includes hanging hardware



## CSS-1S/T

### Compact On-Wall Loudspeaker

- 10W multi-tap transformer for 100V or 70V distributed speaker lines
- 8 ohm direct setting
- 120Hz – 16kHz frequency response
- 60W power capacity
- Mounting hardware included



## LOUDSPEAKER ACCESSORIES – CSS Series

## CSS-BB4

### 4" Backcan for CSS8004 Speaker

- Comes in packs of 6 pieces
- Zinc-plated, powder-coated steel
- Five conduit knockouts



## CSS-BB8

### 8" Backcan for CSS8008 or CSS8018 Speaker

- Comes in packs of 6 pieces
- Zinc-plated, powder-coated steel
- Five conduit knockouts



## CSS-TR4/8

### Tile Rails for CSS-BB4 and CSS-BB8 Backcan

- Comes in packs of 12 pieces for 6 backcans
- Punch-formed steel, zinc-plated



## CONTROL 25T

### 5½" 2-Way Transformer Indoor/Outdoor Loudspeaker

The most versatile of JBL® Professional's Control Contractor Series indoor/outdoor loudspeakers.

- Isolation transformer for 70.7V/100V distributed line sound systems
- Weather-resistant enclosure and transducers
- 80 Hz to 15 kHz
- Available in black or white



## LOUDSPEAKER ACCESSORIES – 8100 Series

## MTC-81TB8

### Tile Bridge for 8138 & 81BB8

- 4 pieces per carton
- Fits 8138 speaker and MTC-81BB8 backcan
- Rust-resistant 19 gauge (1 mm thick) steel
- Load-bearing bridge eliminates ceiling tiles sag



## MTC-8128C

### C-Ring for 8128

- 4 pieces per carton
- Integral clips for MTC-RAIL
- Spreads ceiling loading



## MTC-8124C

### C-Ring for 8124

- 4 pieces per carton
- Integral clips for MTC-RAIL
- Spreads ceiling loading



## MTC-81BB8

### Deep Backcan for 8138

- 4 pieces per carton
- Fits 8138 speaker and MTC-81TB8 tile bridge
- Five conduit knockouts



## MTC-RAIL

### Tile Rail for 8124 & 8128

- Package of 4
- Fits 8124 and 8128 speakers



# MICROPHONES

**START TALKING** Whether making in-store announcements, informing theater patrons the show is about to start, or allowing seminar speakers to roam freely across a stage, JBL® Commercial Series microphones provide clean, dynamic sound. Easy to use, they're redesigned to work with other JBL Commercial Series products for an optimal audio system solution.

## PAGING MICROPHONES

### AKG CGN321 STS

#### Tabletop Microphone Set

A heavy-duty, professional unit with excellent shock-absorbing properties.

- Programmable functions: push-to-talk, push-to-mute, push on/off, low-cut on/off
- Frequency Range: 70 to 180 Hz
- LED status square displays status
- Ideal for use with CSMA & CSM models



### CSPM-1

#### 1-Zone Paging Mic

- 1 push-to-talk button
- Ideal for paging to 1 Zone
- Ideal for use with all CSMA and CSM models



### CSPM-2

#### 2-Zone Paging Mic

- 1 push-to-talk button
- 2 zone selection buttons
- Ideal for paging to 2 zones
- Ideal for use with CSM-21 and CSM-32



### CSPM-4

#### 4-Zone Paging Mic

- 1 push-to-talk button
- 4 zone selection buttons
- Ideal for paging to 4 zones
- Ideal for use with CSM-32



## WIRELESS MICROPHONE SETS

### AKG PERCEPTION

#### Wireless 45 Vocal Set

- For houses of worship, hotels, clubs and band applications
- Includes: SR45 receiver, HT45 handheld transmitter, stand adapter, switch-mode power supply and AA battery



### AKG WMS40 MINI

#### Vocal Set

- Basic plug-and-play vocal wireless microphone system
- Up to 30 hours playtime with one single AA battery
- Includes: SR40 Mini Receiver, HT40 Mini Handheld Transmitter, Switch-Mode power supply and AA battery



### AKG PERCEPTION

#### Wireless 45 Presenter Set

- For houses of worship, hotels, clubs and band applications
- Includes: SR45 receiver, PT45 body-pack transmitter, CK99L Lavalier microphone, switch-mode power supply and AA battery



## HARDWIRED MICROPHONES

### AKG P3 S

#### High-performance Dynamic Microphone

- Designed for backing vocals, guitar and wind instruments
- Frequency Range: 20-160 Hz
- Rugged, heavy duty-metal case and wire mesh grill





# WALL CONTROLLERS

**SOUND CONTROL AT YOUR FINGERTIPS** The JBL® Commercial Series remote wall controller offers source selection and/or volume control from an elegant user interface. Using Cat. 5 cable and installation-friendly RJ-45 connectors, the controllers can be placed up to 1000' (305m) from the CSM mixer. All controllers are available in black or white, and in US or EU form factors.



## CSR-V

### 1-Zone Wall Controller

- Volume Control
- RJ-45 / Cat. 5 Connection
- Up to 1000' (305 m) from CSM device
- For use with all CSMA, CSM, and CSA (Z) models
- Available in black or white



## CSR-2SV

### 2-Zone Wall Controller

- Volume Control
- Source Selection (2 Sources)
- RJ-45 / Cat. 5 Connection
- Up to 1000' (305 m) from CSM device
- For use with CSM-21 and CSM-32
- Available in black or white



## CSR-3SV

### 3-Zone Wall Controller

- Volume Control
- Source Selection (3 Sources)
- RJ-45 / Cat. 5 Connection
- Up to 1000' (305 m) from CSM device
- For use with CSM-32
- Available in black or white