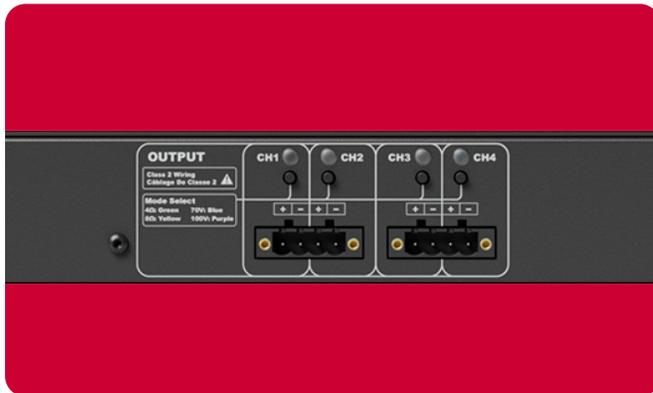# Episode Business Music 70V/100V/8-ohm/4-ohm Amplifier

EA-COM-AMP-4D-80, EA-COM-AMP-4D-160, EA-COM-AMP-4D-350

Episode Business Music Solution (EBMS) brings the trusted Episode sound to even more professionals worldwide, with an extensive catalog of enterprise-level audio solutions for restaurants, gyms, retail spaces, and beyond. The Episode Business Music 4 x 80/160/350 Amplifiers features selectable 70V/100V/8-ohm/4-ohm outputs, along with powerful EQ and Compression DSP and built-in matrixing, making it an ideal audio solution for commercial spaces.

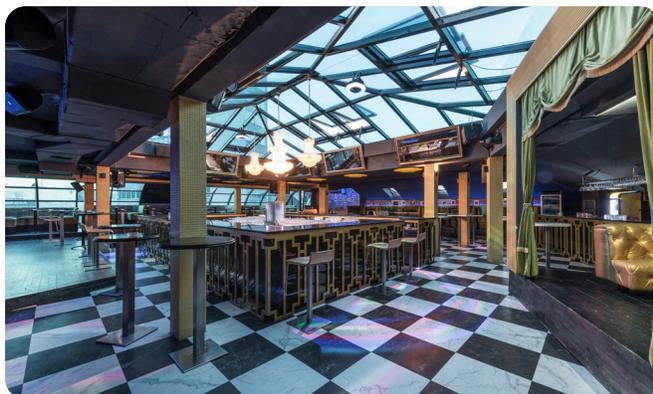## 4-Channels of Robust Direct Drive Amplification

80-350W (depending on model) of output per channel ensures crystal clear audio with power to spare, making this the perfect amp for background music, foreground music, paging, speech, and any other commercial application.

Built In DSP and Matrixing

Powerful EQ and Compression DSP with built-in matrixing, make this an ideal standalone solution for commercial spaces. It's the perfect complement to the EBMS Digital Signal Processor — for a scalable, high-performance commercial audio solution.

MaxShare Power Technology

Pairs of channels intelligently share their power as needed, so if a connected speaker requires more power it can draw more from the adjacent channel.

	EA-COM-AMP-4D-80	EA-COM-AMP-4D-160	EA-COM-AMP-4D-350
Power Supply	100–240V 50–60Hz Auto Switching	100–240V 50–60Hz Auto Switching	100–240V 50–60Hz Auto Switching
Amplifier	IcePower Class D Power Module	IcePower Class D Power Module	IcePower Class D Power Module
Output Channels:	4 Speaker Level	4 Speaker Level	4 Speaker Level
Output Power at 4 ohms (Per Channel, 1 Channel Driven)	80W RMS	160W RMS	350W RMS
Output Power at 8 ohms (Per Channel, 1 Channel Driven)	80W RMS	160W RMS	350W RMS
70Vrms Power (Per Channel, 1 Channel Driven)	80W RMS	160W RMS	350W RMS
100Vrms (90–92Vrms) Power (Per Channel, 1 Channel Driven)	80W RMS	160W RMS	350W RMS
Output Power at 4 ohms (Per Channel, All Channels Driven)	80W RMS	160W RMS	350W RMS
Output Power at 8 ohms (Per Channel, All Channels Driven)	80W RMS	160W RMS	350W RMS
70Vrms Power (Per Channel, All Channels Driven)	80W RMS	160W RMS	350W RMS
100Vrms (90–92Vrms) Power (Per Channel, All Channels Driven)	80W RMS	160W RMS	350W RMS
Max System Output Power for 5 Seconds @ 1kHz	320W RMS	640W RMS	1400W RMS
Peak System Output Power 10ms (LoZ)	640W	1280W	2000W
Speaker Outputs:	2x 4–Pin 5.08 mm Euro Connector with screw locks (1 per speaker pair), Output Impedance Controlled by DSP	2x 4–Pin 5.08 mm Euro Connector with screw locks (1 per speaker pair), Output Impedance Controlled by DSP	2x 4–Pin 5.08 mm Euro Connector with screw locks (1 per speaker pair), Output Impedance Controlled by DSP
Frequency Response:	20Hz to 20kHz, ± 2dB	20Hz to 20kHz, ± 2dB	20Hz to 20kHz, ± 2dB
Crosstalk:	55db Minimum @ full audio range	55db Minimum @ full audio range	55db Minimum @ full audio range
AES17 S/N Ratio, Dynamic Range: (A-Weighted)	Input signal = +20dBu, dynamic>98dB Input signal = –7.8dBu, dynamic>82dB	Input signal = +20dBu, dynamic>98dB Input signal = –7.8dBu, dynamic>82dB	Input signal = +20dBu, dynamic>98dB Input signal = –7.8dBu, dynamic>82dB
THD (1 channel driven):	0.8% THD+N @ 92Vrms, max load	0.8% THD+N @ 92Vrms, max load	0.8% THD+N @ 92Vrms, max load
Inter-channel Phase	+/–5 deg max, 20 Hz to 20 kHz	+/–5 deg max, 20 Hz to 20 kHz	+/–5 deg max, 20 Hz to 20 kHz
DSP Engine	SHARC	SHARC	SHARC
Local web UI for Configuration	Yes	Yes	Yes
OvrC Enabled	Yes	Yes	Yes
Control4 SDDP	Yes	Yes	Yes
Standby / Sleep Mode 2 <2W	Yes	Yes	Yes
Low Power Mode	Yes	Yes	Yes
Always On	Yes	Yes	Yes

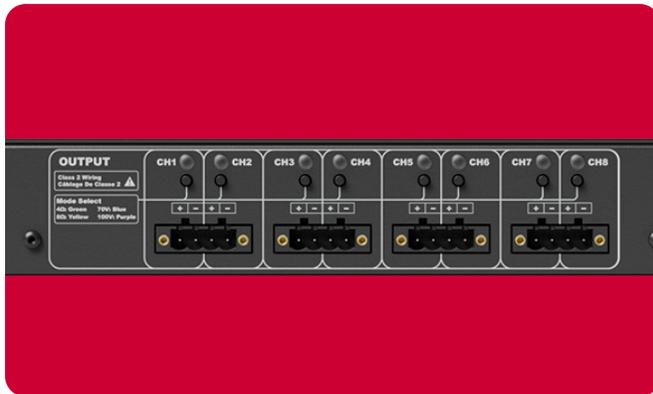|	EA-COM-AMP-4D-80	EA-COM-AMP-4D-160	EA-COM-AMP-4D-350
Connections			
Power	IEC-C14	IEC-C14	IEC-C14
Network	RJ-45, 1 Gbit 1000 Base-T	RJ-45, 1 Gbit 1000 Base-T	RJ-45, 1 Gbit 1000 Base-T
Analog Inputs	"3 Pin 3.5mm Euro Connector, Balanced Line Level Balanced Inputs, 4ch and 8ch: Input level +20 dBu to -7.8dBu Maximum Line Level Input +20dBu (7.75 Vrms,10.95 Vpeak). Pin Mapping: Pin1: IN + / Pin2: IN - / Pin3: GND/CHASSIS"	"3 Pin 3.5mm Euro Connector, Balanced Line Level Balanced Inputs, 4ch and 8ch: Input level +20 dBu to -7.8dBu Maximum Line Level Input +20dBu (7.75 Vrms,10.95 Vpeak). Pin Mapping: Pin1: IN + / Pin2: IN - / Pin3: GND/CHASSIS"	"3 Pin 3.5mm Euro Connector, Balanced Line Level Balanced Inputs, 4ch and 8ch: Input level +20 dBu to -7.8dBu Maximum Line Level Input +20dBu (7.75 Vrms,10.95 Vpeak). Pin Mapping: Pin1: IN + / Pin2: IN - / Pin3: GND/CHASSIS"
Remote Input	2-Pin Euro Connector, User Configurable	2-Pin Euro Connector, User Configurable	2-Pin Euro Connector, User Configurable
Signal Sensing on Analog Inputs	Yes	Yes	Yes
Speaker Outputs	2x 4-Pin 5.08 mm Euro Connector with screw locks (1 per speaker pair). Pin Mapping: Pin1: CH1 + / Pin2: CH1 - / Pin3: CH2 + / Pin4: CH2 -	2x 4-Pin 5.08 mm Euro Connector with screw locks (1 per speaker pair). Pin Mapping: Pin1: CH1 + / Pin2: CH1 - / Pin3: CH2 + / Pin4: CH2 -	2x 4-Pin 5.08 mm Euro Connector with screw locks (1 per speaker pair). Pin Mapping: Pin1: CH1 + / Pin2: CH1 - / Pin3: CH2 + / Pin4: CH2 -
DSP			
Tone Controls - Low & High Shelf Filters	Low Shelf: 20-250 / High Shelf - 8k - 18k	Low Shelf: 20-250 / High Shelf - 8k - 18k	Low Shelf: 20-250 / High Shelf - 8k - 18k
Parametric EQ	10 Bands	10 Bands	10 Bands
Output Impedance Selection	70V (default) / 8 ohm / 4 ohm / 100V(90-92V)	70V (default) / 8 ohm / 4 ohm / 100V(90-92V)	70V (default) / 8 ohm / 4 ohm / 100V(90-92V)
Priority Input	User Selectable	User Selectable	User Selectable
EQ Presets	32 Speaker Presets (Snap One will provide)	32 Speaker Presets (Snap One will provide)	32 Speaker Presets (Snap One will provide)
Audio Delay	Up to 50 ms Delay adjustable in software / Less than 30 ms audio processing latency	Up to 50 ms Delay adjustable in software / Less than 30 ms audio processing latency	Up to 50 ms Delay adjustable in software / Less than 30 ms audio processing latency
Mono Summing of Inputs	Yes	Yes	Yes
Routing	Fully Matrixed	Fully Matrixed	Fully Matrixed
Hardware Controls			
Rear-Mounted Controls	Back-lit tactile button. One per output channel. Pressing this button sequentially changes the output drive impedance or voltage. Color mapping: 4 ohm= green, 8 ohm = yellow, 70V = blue, 100V = purple.	Back-lit tactile button. One per output channel. Pressing this button sequentially changes the output drive impedance or voltage. Color mapping: 4 ohm= green, 8 ohm = yellow, 70V = blue, 100V = purple.	Back-lit tactile button. One per output channel. Pressing this button sequentially changes the output drive impedance or voltage. Color mapping: 4 ohm= green, 8 ohm = yellow, 70V = blue, 100V = purple.

	EA-COM-AMP-4D-80	EA-COM-AMP-4D-160	EA-COM-AMP-4D-350
Mechanical			
Dimensions	19″ x 1.75″ x 14″ 48.3cm x 4.45cm x 35.6cm	19″ x 1.75″ x 14″ 48.3cm x 4.45cm x 35.6cm	19″ x 1.75″ x 14″ 48.3cm x 4.45cm x 35.6cm
Rack Height	1RU	1RU	1RU
Weight	9 lbs / 4.1 kg	9 lbs / 4.1 kg	9 lbs / 4.1 kg
Operation Temperature	"+14 ~ +122°F; –10 ~ +50°C (Indoor)"	"+14 ~ +122°F; –10 ~ +50°C (Indoor)"	"+14 ~ +122°F; –10 ~ +50°C (Indoor)"
Storage Temperature	–22 ~ +158°F; –30 ~ +70°C	–22 ~ +158°F; –30 ~ +70°C	–22 ~ +158°F; –30 ~ +70°C
Operation Humidity	20–90% RH (no condensation)	20–90% RH (no condensation)	20–90% RH (no condensation)
Protection	System overload (PSU), Over current, Short circuit; Temperature	System overload (PSU), Over current, Short circuit; Temperature	System overload (PSU), Over current, Short circuit; Temperature
Cooling Fan	"Automatically Variable Speed Maximum Fan Noise: < 50dBa @ full power, room temp"	"Automatically Variable Speed Maximum Fan Noise: < 50dBa @ full power, room temp"	"Automatically Variable Speed Maximum Fan Noise: < 50dBa @ full power, room temp"
ESD Protection	EC 61000–4–2 Level 2 Contact, Level 3 Air–Gap	EC 61000–4–2 Level 2 Contact, Level 3 Air–Gap	EC 61000–4–2 Level 2 Contact, Level 3 Air–Gap
Surge Protection	IEC 61000–4–5 Class 3 with additional testing based on port types	IEC 61000–4–5 Class 3 with additional testing based on port types	IEC 61000–4–5 Class 3 with additional testing based on port types
Certifications and Compliance Product	CE, FCC CFR Part 15–Subpart B–Class B, RoHS2 Directive 2011/65/EU CE–marking, UL, RCM	CE, FCC CFR Part 15–Subpart B–Class B, RoHS2 Directive 2011/65/EU CE–marking, UL, RCM	CE, FCC CFR Part 15–Subpart B–Class B, RoHS2 Directive 2011/65/EU CE–marking, UL, RCM

Episode Business Music 70V/100V/8-ohm/4-ohm Amplifiers

EA-COM-AMP-8D-80, EA-COM-AMP-8D-160, EA-COM-AMP-8D-350

Episode Business Music Solution (EBMS) brings the trusted Episode sound to even more professionals worldwide, with an extensive catalog of enterprise-level audio solutions for restaurants, gyms, retail spaces, and beyond. The Episode Business Music 8 x 80, 8 x 160, and 8 x 350 Amplifiers feature selectable 70V/100V/8-ohm/4-ohm outputs, along with powerful EQ and Compression DSP and built-in matrixing, making it an ideal audio solution for commercial spaces.

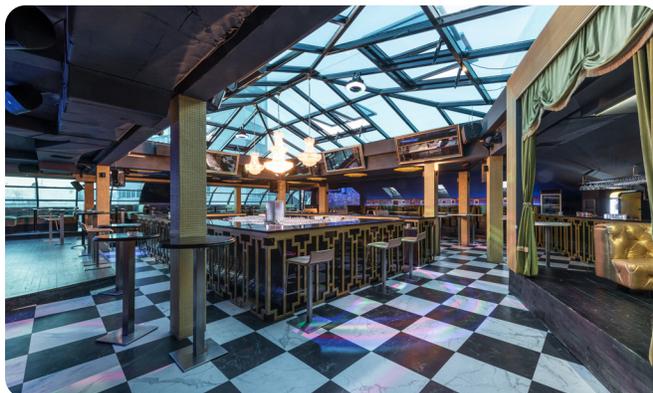### 8-Channels of Robust Direct Drive Amplification

80-350W (depending on model) of output per channel ensures crystal clear audio with power to spare, making this the perfect amp for background music, foreground music, paging, speech, and any other commercial application.

Built In DSP and Matrixing

Powerful EQ and Compression DSP with built-in matrixing, make this an ideal standalone solution for commercial spaces. It's the perfect complement to the EBMS Digital Signal Processor — for a scalable, high-performance commercial audio solution.

MaxShare Power Technology

Pairs of channels intelligently share their power as needed, so if a connected speaker requires more power it can draw more from the adjacent channel.

	EA-COM-AMP-8D-80	EA-COM-AMP-8D-160	EA-COM-AMP-8D-350
Power Supply	100–240V 50–60Hz Auto Switching	100–240V 50–60Hz Auto Switching	100–240V 50–60Hz Auto Switching
Amplifier	IcePower Class D Power Module	IcePower Class D Power Module	IcePower Class D Power Module
Output Channels:	4 Speaker Level	4 Speaker Level	4 Speaker Level
Output Power at 4 ohms (Per Channel, 1 Channel Driven)	80W RMS	160W RMS	350W RMS
Output Power at 8 ohms (Per Channel, 1 Channel Driven)	80W RMS	160W RMS	350W RMS
70Vrms Power (Per Channel, 1 Channel Driven)	80W RMS	160W RMS	350W RMS
100Vrms (90–92Vrms) Power (Per Channel, 1 Channel Driven)	80W RMS	160W RMS	350W RMS
Output Power at 4 ohms (Per Channel, All Channels Driven)	80W RMS	160W RMS	350W RMS
Output Power at 8 ohms (Per Channel, All Channels Driven)	80W RMS	160W RMS	350W RMS
70Vrms Power (Per Channel, All Channels Driven)	80W RMS	160W RMS	350W RMS
100Vrms (90–92Vrms) Power (Per Channel, All Channels Driven)	80W RMS	160W RMS	350W RMS
Max System Output Power for 5 Seconds @ 1kHz	320W RMS	640W RMS	1400W RMS
Peak System Output Power 10ms (LoZ)	640W	1280W	2000W
Speaker Outputs:	2x 4–Pin 5.08 mm Euro Connector with screw locks (1 per speaker pair), Output Impedance Controlled by DSP	2x 4–Pin 5.08 mm Euro Connector with screw locks (1 per speaker pair), Output Impedance Controlled by DSP	2x 4–Pin 5.08 mm Euro Connector with screw locks (1 per speaker pair), Output Impedance Controlled by DSP
Frequency Response:	20Hz to 20kHz, ± 2dB	20Hz to 20kHz, ± 2dB	20Hz to 20kHz, ± 2dB
Crosstalk:	55db Minimum @ full audio range	55db Minimum @ full audio range	55db Minimum @ full audio range
AES17 S/N Ratio, Dynamic Range: (A–Weighted)	Input signal = +20dBu, dynamic>98dB Input signal = –7.8dBu, dynamic>82dB	Input signal = +20dBu, dynamic>98dB Input signal = –7.8dBu, dynamic>82dB	Input signal = +20dBu, dynamic>98dB Input signal = –7.8dBu, dynamic>82dB
THD (1 channel driven):	0.8% THD+N @ 92Vrms, max load	0.8% THD+N @ 92Vrms, max load	0.8% THD+N @ 92Vrms, max load
Inter–channel Phase	+/–5 deg max, 20 Hz to 20 kHz	+/–5 deg max, 20 Hz to 20 kHz	+/–5 deg max, 20 Hz to 20 kHz
DSP Engine	SHARC	SHARC	SHARC
Local web UI for Configuration	Yes	Yes	Yes
OvrC Enabled	Yes	Yes	Yes
Control4 SDDP	Yes	Yes	Yes
Standby / Sleep Mode 2 <2W	Yes	Yes	Yes
Low Power Mode	Yes	Yes	Yes
Always On	Yes	Yes	Yes

	EA-COM-AMP-8D-80	EA-COM-AMP-8D-160	EA-COM-AMP-8D-350
Connections			
Power	IEC-C14	IEC-C14	IEC-C14
Network	RJ-45, 1 Gbit 1000 Base-T	RJ-45, 1 Gbit 1000 Base-T	RJ-45, 1 Gbit 1000 Base-T
Analog Inputs	"3 Pin 3.5mm Euro Connector, Balanced Line Level Balanced Inputs, 4ch and 8ch: Input level +20 dBu to -7.8dBu Maximum Line Level Input +20dBu (7.75 Vrms,10.95 Vpeak). Pin Mapping: Pin1: IN + / Pin2: IN - / Pin3: GND/CHASSIS"	"3 Pin 3.5mm Euro Connector, Balanced Line Level Balanced Inputs, 4ch and 8ch: Input level +20 dBu to -7.8dBu Maximum Line Level Input +20dBu (7.75 Vrms,10.95 Vpeak). Pin Mapping: Pin1: IN + / Pin2: IN - / Pin3: GND/CHASSIS"	"3 Pin 3.5mm Euro Connector, Balanced Line Level Balanced Inputs, 4ch and 8ch: Input level +20 dBu to -7.8dBu Maximum Line Level Input +20dBu (7.75 Vrms,10.95 Vpeak). Pin Mapping: Pin1: IN + / Pin2: IN - / Pin3: GND/CHASSIS"
Remote Input	2-Pin Euro Connector, User Configurable	2-Pin Euro Connector, User Configurable	2-Pin Euro Connector, User Configurable
Signal Sensing on Analog Inputs	Yes	Yes	Yes
Speaker Outputs	2x 4-Pin 5.08 mm Euro Connector with screw locks (1 per speaker pair). Pin Mapping: Pin1: CH1 + / Pin2: CH1 - / Pin3: CH2 + / Pin4: CH2 -	2x 4-Pin 5.08 mm Euro Connector with screw locks (1 per speaker pair). Pin Mapping: Pin1: CH1 + / Pin2: CH1 - / Pin3: CH2 + / Pin4: CH2 -	2x 4-Pin 5.08 mm Euro Connector with screw locks (1 per speaker pair). Pin Mapping: Pin1: CH1 + / Pin2: CH1 - / Pin3: CH2 + / Pin4: CH2 -
DSP			
Tone Controls - Low & High Shelf Filters	Low Shelf: 20-250 / High Shelf - 8k - 18k	Low Shelf: 20-250 / High Shelf - 8k - 18k	Low Shelf: 20-250 / High Shelf - 8k - 18k
Parametric EQ	10 Bands	10 Bands	10 Bands
Output Impedance Selection	70V (default) / 8 ohm / 4 ohm / 100V(90-92V)	70V (default) / 8 ohm / 4 ohm / 100V(90-92V)	70V (default) / 8 ohm / 4 ohm / 100V(90-92V)
Priority Input	User Selectable	User Selectable	User Selectable
EQ Presets	32 Speaker Presets (Snap One will provide)	32 Speaker Presets (Snap One will provide)	32 Speaker Presets (Snap One will provide)
Audio Delay	Up to 50 ms Delay adjustable in software / Less than 30 ms audio processing latency	Up to 50 ms Delay adjustable in software / Less than 30 ms audio processing latency	Up to 50 ms Delay adjustable in software / Less than 30 ms audio processing latency
Mono Summing of Inputs	Yes	Yes	Yes
Routing	Fully Matrixed	Fully Matrixed	Fully Matrixed
Hardware Controls			
Rear-Mounted Controls	Back-lit tactile button. One per output channel. Pressing this button sequentially changes the output drive impedance or voltage. Color mapping: 4 ohm= green, 8 ohm = yellow, 70V = blue, 100V = purple.	Back-lit tactile button. One per output channel. Pressing this button sequentially changes the output drive impedance or voltage. Color mapping: 4 ohm= green, 8 ohm = yellow, 70V = blue, 100V = purple.	Back-lit tactile button. One per output channel. Pressing this button sequentially changes the output drive impedance or voltage. Color mapping: 4 ohm= green, 8 ohm = yellow, 70V = blue, 100V = purple.

	EA-COM-AMP-8D-80	EA-COM-AMP-8D-160	EA-COM-AMP-8D-350
Mechanical			
Dimensions	19" x 1.75" x 14" 48.3cm x 4.45cm x 35.6cm	19" x 1.75" x 14" 48.3cm x 4.45cm x 35.6cm	19" x 1.75" x 14" 48.3cm x 4.45cm x 35.6cm
Rack Height	1RU	1RU	1RU
Weight	12 lbs / 5.4kg	12 lbs / 5.4kg	12 lbs / 5.4kg
Operation Temperature	"+14 ~ +122°F; –10 ~ +50°C (Indoor)"	"+14 ~ +122°F; –10 ~ +50°C (Indoor)"	"+14 ~ +122°F; –10 ~ +50°C (Indoor)"
Storage Temperature	–22 ~ +158°F; –30 ~ +70°C	–22 ~ +158°F; –30 ~ +70°C	–22 ~ +158°F; –30 ~ +70°C
Operation Humidity	20–90% RH (no condensation)	20–90% RH (no condensation)	20–90% RH (no condensation)
Protection	System overload (PSU), Over current, Short circuit; Temperature	System overload (PSU), Over current, Short circuit; Temperature	System overload (PSU), Over current, Short circuit; Temperature
Cooling Fan	"Automatically Variable Speed Maximum Fan Noise: < 50dBa @ full power, room temp"	"Automatically Variable Speed Maximum Fan Noise: < 50dBa @ full power, room temp"	"Automatically Variable Speed Maximum Fan Noise: < 50dBa @ full power, room temp"
ESD Protection	EC 61000–4–2 Level 2 Contact, Level 3 Air-Gap	EC 61000–4–2 Level 2 Contact, Level 3 Air-Gap	EC 61000–4–2 Level 2 Contact, Level 3 Air-Gap
Surge Protection	IEC 61000–4–5 Class 3 with additional testing based on port types	IEC 61000–4–5 Class 3 with additional testing based on port types	IEC 61000–4–5 Class 3 with additional testing based on port types
Certifications and Compliance Product	CE, FCC CFR Part 15–Subpart B–Class B, RoHS2 Directive 2011/65/EU CE–marking, UL, RCM	CE, FCC CFR Part 15–Subpart B–Class B, RoHS2 Directive 2011/65/EU CE–marking, UL, RCM	CE, FCC CFR Part 15–Subpart B–Class B, RoHS2 Directive 2011/65/EU CE–marking, UL, RCM

Episode Business Music 16 x 8, 8 x 4 Digital Signal Processor

EA-COM-DSP-16-8, EA-COM-DSP-8-4

Episode Business Music Solution (EBMS) trusted Episode sound to even more professionals worldwide, with an extensive catalog of enterprise-level audio solutions for restaurants, gyms, retail spaces, and beyond. The Episode Business Music 16 x 8 Digital Signal Processor was purpose-built for commercial audio and paging applications, featuring high-powered audio processing and matrixing. At the same time, streamlining your installs by being MoIP and OvrC enabled.

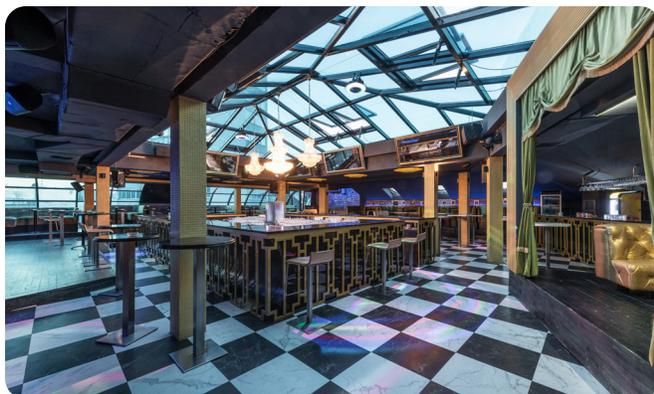### Variety of Source Types (Mic, Line, Balanced, Unbalanced)

Connect up to 16 sources to 8 zones or 8 sources to 4 zones (depending on model), including microphones and unbalanced, balanced, for any application, from hospitality, bars, restaurants, corporate spaces, and everything in between.

High-Powered DSP For Any Size Install

Tailor the audio system to match what's needed for the space and application with tools to optimize gain structure, frequency response, and dynamic behavior. Input and output EQ, along with microphone processing features such as ducking, compression, gating, and de-essing, give you precise control over system tuning.

MoIP-Enabled

This DSP is MoIP-enabled, offering exceptional flexibility and scalability, allowing it to receive MoIP audio sources and transmit local sources onto the MoIP network.

	EA-COM-DSP-8-4	EA-COM-DSP-16-8
Power Supply	100–240V 50–60Hz Auto Switching	100–240V 50–60Hz Auto Switching
Total Source Count	8 Mono / 4 Stereo	16 Mono / 8 Stereo
Total Zone Count	4 Mono / 2 Stereo	8 Mono / 4 Stereo
Balanced / Mic Inputs	4 Euroblock, Input level +20 dBu to –60 dBu	8 Euroblock, Input level +20 dBu to –60 dBu
RCA Inputs	4. Input level +9.8 dBu to –7.8dBu	8. Input level +9.8 dBu to –7.8dBu
Line Level Outputs	4 Euroblock, Output level +20dBu to –7.8dBu	8 Euroblock, Output level +20dBu to –7.8dBu
MoIP Inputs (Rx)	2 Stereo Streams	4 Stereo Streams
MoIP Outputs (Tx)	4 Stereo Streams	8 Stereo Streams
THD+N (20Hz – 20 kHz, 22KHz BW at 3dB below full scale)	<0.06%	<0.06%
AES17 Dynamic Range:S/N Ratio (A-weighted @ 0dB gain)	Balanced input: Input signal = +20dBu, Output = +20dBu, dynamic>103dB Input signal = –28dBu, Output = +20dBu, dynamic>88dB Input signal = –60dBu, Output = +20dBu, dynamic>55dB Input signal = +20dBu, Output = –7.8dBu, dynamic>87dB Single ended input: Input signal = +9.8 dBu, Output = +20dBu, dynamic>103dB Input signal = –7.8 dBu, Output = +20dBu, dynamic>94dB	Balanced input: Input signal = +20dBu, Output = +20dBu, dynamic>103dB Input signal = –28dBu, Output = +20dBu, dynamic>88dB Input signal = –60dBu, Output = +20dBu, dynamic>55dB Input signal = +20dBu, Output = –7.8dBu, dynamic>87dB Single ended input: Input signal = +9.8 dBu, Output = +20dBu, dynamic>103dB Input signal = –7.8 dBu, Output = +20dBu, dynamic>94dB
Frequency Response:	20Hz to 20kHz, ± 2dB	20Hz to 20kHz, ± 2dB
Crosstalk:	–55db Minimum @ full audio range	–55db Minimum @ full audio range
AES17 S/N Ratio, Dynamic Range: (A-Weighted)	"Input signal = +20dBu, dynamic>98dB Input signal = –7.8dBu, dynamic>82dB"	"Input signal = +20dBu, dynamic>98dB Input signal = –7.8dBu, dynamic>82dB"
THD (1 channel driven):	"0.8% THD+N @ 92Vrms, max load 1.8–2.2% THD+N @ 92Vrms, open load"	"0.8% THD+N @ 92Vrms, max load 1.8–2.2% THD+N @ 92Vrms, open load"
Inter-channel Phase	+/–5 deg max, 20 Hz to 20 kHz	+/–5 deg max, 20 Hz to 20 kHz
DSP Engine	SHARC	SHARC
Local web UI for Configuration	Yes	Yes
OvrC Enabled	Yes	Yes
Control4 SDDP	Yes	Yes
Standby / Sleep Mode 2 <2W	Yes	Yes
Low Power Mode	Yes	Yes
Always On	Yes	Yes

	EA-COM-DSP-8-4	EA-COM-DSP-16-8
Connections		
Power:	IEC-C14	IEC-C14
Network:	RJ-45, Speed 1 Gbit 1000 Base-T	RJ-45, Speed 1 Gbit 1000 Base-T
Analog Inputs	3 Pin 3.5mm Euro Connector, Balanced Mic/Line Level RCA Unbalanced Analog Line Level	3 Pin 3.5mm Euro Connector, Balanced Mic/Line Level RCA Unbalanced Analog Line Level
Remote Input	2-Pin Euro Connector, User Configurable	2-Pin Euro Connector, User Configurable
Signal Sensing on Analog Inputs	Yes	Yes
Line Level Outputs	Balanced Line, 3-pin Euro Connector	Balanced Line, 3-pin Euro Connector
DSP		
Tone Controls - Low & High Shelf Filters	High Shelf, Low Shelf	High Shelf, Low Shelf
Parametric EQ	20 Bands	20 Bands
Priority Input	User Selectable with Ducking	User Selectable with Ducking
Microphone Processing	User Adjustable Noise Gate, De-Esser, Feedback Canceller	User Adjustable Noise Gate, De-Esser, Feedback Canceller
EQ Presets	10 Genre Presets + User Saveable Presets	10 Genre Presets + User Saveable Presets
Audio Delay	Up to 50 ms Delay adjustable in software / Less than 30 ms audio processing latency	Up to 50 ms Delay adjustable in software / Less than 30 ms audio processing latency
Mono Summing of Inputs	Yes	Yes
Routing	Fully Matrixed + Multisource Mixing	Fully Matrixed + Multisource Mixing
Mechanical		
Dimensions:	19" x 1.75" x 14" 48.3cm x 4.45cm x 35.6cm	19" x 1.75" x 14" 48.3cm x 4.45cm x 35.6cm
Rack Height:	1RU	1RU
Weight:	7 lbs / 3.18kg	8 lbs / 3.63kg
Power Cord:	NEMA 5/15P 3 prong to IEC 60320 C13, 1.8m length	NEMA 5/15P 3 prong to IEC 60320 C13, 1.8m length
Operation Temperature:	"+14 ~ +122°F; -10 ~ +50°C (Indoor)"	"+14 ~ +122°F; -10 ~ +50°C (Indoor)"
Storage Temperature:	-22 ~ +158°F; -30 ~ +70°C	-22 ~ +158°F; -30 ~ +70°C
Operation Humidity:	20-90% RH (no condensation)	20-90% RH (no condensation)
Certifications and Compliance: Product	CE, FCC CFR Part 15-Subpart B-Class B, RoHS2 Directive 2011/65/EU CE-marking, UL	CE, FCC CFR Part 15-Subpart B-Class B, RoHS2 Directive 2011/65/EU CE-marking, UL
Protection:	System overload (PSU), Over current, Short circuit; Temperature	System overload (PSU), Over current, Short circuit; Temperature
ESD Protection	EC 61000-4-2 Level 2 Contact, Level 3 Air-Gap	EC 61000-4-2 Level 2 Contact, Level 3 Air-Gap
Surge Protection	IEC 61000-4-5 Class 3 with additional testing based on port types	IEC 61000-4-5 Class 3 with additional testing based on port types

Episode Business Music 2 x 160, 2 x 350 MixAmp with 70V/100V/8ohm/4ohm Selectable Output

EA-COM-MXAMP-160, EA-COM-MXAMP-350

Episode Business Music Solution (EBMS) brings trusted Episode sound to even more professionals worldwide, with an extensive catalog of enterprise-level audio solutions for restaurants, gyms, retail spaces, and beyond. The Episode Business Music 2 x 160, 2 x 350 (depending on model) MixAmp features selectable 70V/100V/8-ohm/4-ohm outputs, along with powerful EQ and Compression DSP, and built-in matrixing, making it an ideal audio solution for commercial spaces.

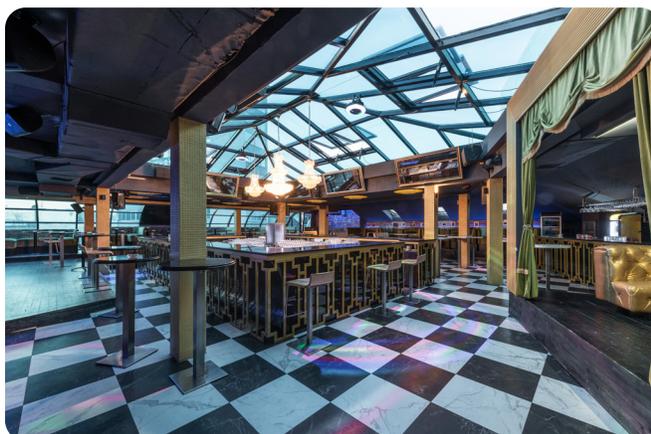### Variety of Source Types (Mic, Line, Balanced, Unbalanced)

Connect up to 16 sources to 8 zones or 8 sources to 4 zones (depending on model), including microphones, unbalanced, and balanced sources, for any application, from hospitality, bars, restaurants, corporate spaces, and everything in between.

High-Powered DSP For Any Size Install

Tailor the audio system to match what's needed for the space and application with tools to optimize gain structure, frequency response, and dynamic behavior. Input and output EQ, along with microphone processing features such as ducking, compression, gating, and de-essing, give you precise control over system tuning.

2-Channels of Robust Direct Drive Amplification Designed for Commercial Audio

160W or 360W of output per channel ensures crystal clear audio with power to spare, making this the perfect amp for background music, foreground music, paging, speech, and any other commercial application. Selectable 70V/100V/8-ohm/4-ohm output provides maximum flexibility in any install.

	EA-COM-MXAMP-2D-160	EA-COM-MXAMP-2D-350
Power Supply	100-240V 50-60Hz Auto Switching	100-240V 50-60Hz Auto Switching
Amplifier	IcePower Class D Power Module	IcePower Class D Power Module
Output Channels:	2 Speaker Level	2 Speaker Level
Output Power at 4 ohms (Per Channel, 1 Channel Driven)	160W RMS	350W RMS
Output Power at 8 ohms (Per Channel, 1 Channel Driven)	160W RMS	350W RMS
70Vrms Power (Per Channel, 1 Channel Driven)	160W RMS	350W RMS
100Vrms (90-92Vrms) Power (Per Channel, 1 Channel Driven)	160W RMS	350W RMS
Output Power at 4 ohms (Per Channel, All Channels Driven)	160W RMS	350W RMS
Output Power at 8 ohms (Per Channel, All Channels Driven)	160W RMS	350W RMS
70Vrms Power (Per Channel, All Channels Driven)	160W RMS	350W RMS
100Vrms (90-92Vrms) Power (Per Channel, All Channels Driven)	160W RMS	350W RMS
"Max System Output Power for 5 Seconds @ 1kHz "	320W RMS	700W RMS
Peak System Output Power 10ms (LoZ)	640W RMS	1400W RMS
Speaker Outputs:	4-Pin 5.08 mm Euro Connector with screw locks, Output Impedance Controlled by DSP	4-Pin 5.08 mm Euro Connector with screw locks, Output Impedance Controlled by DSP
Frequency Response:	20Hz to 20kHz, ± 2dB	20Hz to 20kHz, ± 2dB
Crosstalk:	55db Minimum @ full audio range	55db Minimum @ full audio range
"AES17 S/N Ratio, Dynamic Range: (A-Weighted)"	"Input signal = +20dBu, dynamic>98dB Input signal = -7.8dBu, dynamic>82dB"	"Input signal = +20dBu, dynamic>98dB Input signal = -7.8dBu, dynamic>82dB"
THD (1 channel driven):	0.8% THD+N @ 92Vrms, max load	0.8% THD+N @ 92Vrms, max load
Inter-channel Phase	+/-5 deg max, 20 Hz to 20 kHz	+/-5 deg max, 20 Hz to 20 kHz
DSP Engine	SHARC	SHARC
Local web UI for Configuration	Yes	Yes
OvrC Enabled	Yes	Yes
Control4 SDDP	Yes	Yes
Standby / Sleep Mode 2 <2W	Yes	Yes
Low Power Mode	Yes	Yes
Always On	Yes	Yes

	EA-COM-MXAMP-2D-160	EA-COM-MXAMP-2D-350
Connections		
Power:	IEC-C14	IEC-C14
Network:	RJ-45, 1 Gbit 1000 Base-T	RJ-45, 1 Gbit 1000 Base-T
Analog Inputs	"3 Pin 3.5mm Euro Connector, Balanced Line Level Balanced Inputs: Input level +20 dBu to -7.8dBu Maximum Line Level Input +20dBu (7.75 Vrms,10.95 Vpeak). Pin Mapping: Pin1: IN + / Pin2: IN - / Pin3: GND/CHASSIS"	"3 Pin 3.5mm Euro Connector, Balanced Line Level Balanced Inputs: Input level +20 dBu to -7.8dBu Maximum Line Level Input +20dBu (7.75 Vrms,10.95 Vpeak). Pin Mapping: Pin1: IN + / Pin2: IN - / Pin3: GND/CHASSIS"
Remote Input	2-Pin Euro Connector, User Configurable	2-Pin Euro Connector, User Configurable
Signal Sensing on Analog Inputs	Yes	Yes
Speaker Outputs	4-Pin 5.08 mm Euro Connector with screw locks (1 per speaker pair). Pin Mapping: Pin1: CH1 + / Pin2: CH1 - / Pin3: CH2 + / Pin4: CH2 -	4-Pin 5.08 mm Euro Connector with screw locks (1 per speaker pair). Pin Mapping: Pin1: CH1 + / Pin2: CH1 - / Pin3: CH2 + / Pin4: CH2 -
DSP		
Tone Controls - Low & High Shelf Filters	High Shelf, Low Shelf	High Shelf, Low Shelf
Parametric EQ	20 Bands	20 Bands
Priority Input	User Selectable with Ducking	User Selectable with Ducking
Microphone Processing	User Adjustable Noise Gate, De-Esser, Feedback Canceller	User Adjustable Noise Gate, De-Esser, Feedback Canceller
EQ Presets	Episode Speaker Presets + User Saveable Presets	Episode Speaker Presets + User Saveable Presets
Audio Delay	Up to 50 ms Delay adjustable in software / Less than 30 ms audio processing latency	Up to 50 ms Delay adjustable in software / Less than 30 ms audio processing latency
Mono Summing of Inputs	Yes	Yes
Routing	Fully Matrixed + Multisource Mixing	Fully Matrixed + Multisource Mixing

Mechanical		
Dimensions:	9.5" x 1.75" x 14" 24.13cm x 4.45cm x 35.6cm	9.5" x 1.75" x 14" 24.13cm x 4.45cm x 35.6cm
Rack Height:	1/2 RU	1/2 RU
Weight:	6 lbs / 2.72kg	6 lbs / 2.72kg
Operation Temperature:	"+14 ~ +122°F; –10 ~ +50°C (Indoor)"	"+14 ~ +122°F; –10 ~ +50°C (Indoor)"
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