

DIGITAL SIGNAL PROCESSORS

These highly versatile digital signal processors contain the power of AudioControl processing through the flexible, accessible and feature-packed DM Smart DSP™ app. Configure channel summing, 30 bands of EQ, signal delay and phase correction, plus AudioControl proprietary features like AccuBASS®, GTO™ Signal Sense, and MILC™. Integrated input and output RTA's aid in channel summing and equalization.

Connect the optional AC-BT24 for Bluetooth® HD audio streaming and programming.





DM Smart DSP app is available for PC and Mac and features tablet and

DM SMART DSP APP

smart phone support via the AC-BT24 Bluetooth Streamer & Programmer.



MODEL	Speaker Level Inputs	Preamp Inputs	Digital Inputs	Preamp Outputs	Channel Summing	GTO™ Signal Sense	THD	Frequency Response	AccuBASS®	Maximum Output Level	Remote Level Control	Option Port
DM-810	8	8	1 x S/PDIF 1 x Optical	10	Υ	Y	0.01%	20 Hz - 24 kHz	Υ	10 Vrms	ACR-3 (optional)	Υ
DM-608	6	6	1 x S/PDIF 1 x Optical	8	Υ	Υ	0.01%	20 Hz - 24 kHz	Υ	10 Vrms	ACR-3 (optional)	Υ

OEM INTEGRATION

Every make, model, and year of vehicle is different, so installation of an upgraded sound system can be tricky. Most factory radios today are so much more than just a radio-they're generally the command center for the vehicle. Changing them can be very expensive, (if it's even possible) and you usually don't get much of an improvement in sound. With industry leading features such as our Load Matching Circuit, intuitive channel summing, patented AccuBASS® compensation, GTOTM Signal Sense, signal delay and EQ, AudioControl active line output converters are the go-to choice for OEM integration.













MODEL	Speaker Level Inputs	Line Level Inputs	Channel Summing	Aux Input	Preamp Outputs	GTO™ Signal Sense	Frequency Response	Signal Delay	EQ	AccuBASS®	Maximum Output Level	Remote Level Control
DQ-61	6	NA	Υ	N	6	Υ	10 Hz - 22 kHz	Υ	Υ	Υ	7.5 Vrms	ACR-3 (included)
LCQ-1	6	NA	Υ	Ν	6	Υ	10 Hz - 22 kHz	Ν	Υ	Υ	7.5 Vrms	ACR-2 (optional)
LC1i	2	2	Ν	Ν	2	Υ	20 Hz - 50 kHz	Ν	N	N	9.5 Vrms	NA
LC2i	2	NA	N	Ν	4	Υ	33 Hz - 100 kHz	Ν	N	Υ	9.5 Vrms	ACR-1 (optional)
LC2i PRO	2	NA	N	N	4	Υ	20 Hz - 50 kHz	N	N	Y	9.5 Vrms	ACR-1 (included)
LC6i	6	NA	Υ	Ν	6	Υ	10 Hz - 22 kHz	Ν	N	N	9.5 Vrms	ACR-1 (optional)
LC7i	6	NA	Υ	N	6	Υ	10 Hz - 22 kHz	N	N	Y	8.5 Vrms	ACR-1 (optional)
LC8i	8	2 (AUX)	Υ	Υ	8	Υ	10 Hz - 22 kHz	Ν	Ν	Ν	8.5 Vrms	ACR-3 (included)

POWER AMPLIFIERS







AudioControl has paired our award winning amplifier technology with powerful Matrix Digital Signal Processing into the D-4.800™, D-6.1200TM, and D-5.1300TM. AudioControl's DM Smart DSP app allows complete control over 30 bands of EQ, signal delay, phase correction and well known features like patented AccuBASS®, GTOTM Signal Sense and MILCTM, plus an integrated input and output RTA.

MATRIX DSP	al al	Speaker Ch Level				TUD N	Linkwitz-Rile	ey Crossover	Bass		Option	Remote
AMPLIFIERS	Ch	Inputs	Speaker Outputs	Sub Output	(ref: rated power)	THD+N	Mode(s)	Freq. Range	Processing	Pass Thru	Port	Level Control
D-6.1200	6	8	125W @ 4Ω 200W @ 2Ω 400W Bridged (4Ω)	NA	102 dBa	<0.01%	Low Pass Band Pass High Pass	20 Hz - 20 kHz	AccuBASS	Υ	Υ	ACR-3 (optional)
D-5.1300	5	8	100W @ 4Ω 200W @ 2Ω 400W Bridged (4Ω)	300W @ 4Ω 500W @ 2Ω	102 dBa	<0.01%	Low Pass Band Pass High Pass	20 Hz - 20 kHz	AccuBASS	Υ	Υ	ACR-3 (optional)
D-4.800	4	6	125W @ 4Ω 200W @ 2Ω	NA	102 dBa	<0.01%	Low Pass Band Pass	20 Hz - 20 kHz	AccuBASS	Υ	Υ	ACR-3 (optional)





400W Bridged (4Ω)



High Pass

Featuring OEM integration friendly features such as channel summing and our patented AccuBASS®, AudioControl LC series multichannel amplifiers have changed the game in OEM integration, offering flexible crossovers, user friendly signal routing and control. Spend less time on the install and more time listening to music as it was meant to be heard.

MULTI-CHANNEL	Glave I	Speaker	Continuous Power (R	MS) at 14.4V	SNR	TUD. M	Linkwitz-Rile	ey Crossover	Bass	D . T	Remote
AMPLIFIERS	Channels	Level Inputs	Speaker Outputs	Sub Output	(ref: rated power)	THD+N	Mode(s)	Freq. Range	Processing	Pass Thru	Level Control
LC-6.1200	6	8	125W @ 4Ω 200W @ 2Ω 400W Bridged (4Ω)	NA	102 dBa	<0.01%	Low Pass Band Pass High Pass	30 Hz - 5 kHz	AccuBASS	Y	ACR-1 (optional)
LC-5.1300	5	8	100W @ 4Ω 200W @ 2Ω 400W Bridged (4Ω)	300W @ 4Ω 500W @ 2Ω	102 dBa	<0.01%	Low Pass Band Pass High Pass	30 Hz - 5 kHz	AccuBASS	Ν	ACR-1 (optional)
LC-4.800	4	6	125W @ 4Ω 200W @ 2Ω 400W Bridged (4Ω)	NA	102 dBa	<0.01%	Low Pass High Pass	30 Hz - 300 Hz	AccuBASS	Υ	ACR-1 (optional)





No matter the install, you can be assured power will meet and exceed expectations with the LC-1.1500™ and LC-1.800™.

Enjoy loud, clean and articulate bass, combined with AudioControl's patented AccuBASS® circuit - the only way to properly overcome factory bass roll-off and heavily equalized factory bass settings.

1.1500	LC-1.800

SUBWOOFER	Channels	Speaker	Continuous Power	SNR (ref: rated	THD+N	Linkwitz-Rile	ey Crossover	Subsonic Filter	Bass	Remote Level	
AMPLIFIERS	Channels	Level Inputs	(RMS) at 14.4V	power)	IND+N	Mode(s)	Freq. Range	Subsonic Filler	Processing	Control	
LC-1.1500	1	2	850W @ 4Ω 1500W @ 2Ω	102 dBa	<0.1%	Low Pass	30 Hz - 230 Hz	24 Hz	AccuBASS®	ACR-1 (optional)	
LC-1.800	1	2	500W @ 4Ω 800W @ 2Ω	102 dBa	<0.1%	Low Pass	30 Hz - 230 Hz	24 Hz	AccuBASS®	ACR-1 (optional)	

ACX ALL-WEATHER AMPLIFIERS





AudioControl ACXTM All-Weather Amplifiers are built tough from solid aluminum extrusions, sealed tight against the elements, and ready for your next adventure. Fully sealed quick connect wiring, and a water-tight chassis add up to an IPX6 rating, ensuring ACX amplifiers deliver the pure, uninterrupted power AudioControl is known for.

ACX-300.1

ACX-300.4

MODEL	Channels		Continuous Power All Channels Driven	SNR	THD+N	Frequency	Linkwitz-Ri	iley X-over	A BACC	Remote
MODEL	Channels	Inputs	(RMS) at 14.4V	(ref: rated power)	IHD+N	Response	Mode(s)	Settings	AccuBASS	Level Control
ACX-300.4	2/4	4	50W @ 4Ω 75W @ 2Ω 150W @ 4Ω Bridged	102 dBa	<0.01%	26 Hz - 22 kHz	High Pass	80 Hz 120 Hz Bypass	N	NA
ACX-300.1	1	2	175W @ 4Ω 300W @ 2Ω	106 dBa	<0.01%	26 Hz - 22 kHz	Low Pass	80 Hz 120 Hz Bypass	Υ	ACR-1 (optional)

ACM MICRO AMPLIFIERS

ACMTM series amplifiers by AudioControl are the perfect blend of power and features for car audio systems from mild to wild. Compact size, high power and the ability to help integrate with factory stereo systems are features that assure "Making Good Sound Great" can happen in any installation. Reversible cover plates allow flexible mounting options when paired with AudioControl DM Series Processors or when using multiple ACM series amplifiers in confined spaces.







ACM-1.300

ACM-2.300

ACM-4.300

MODEL	Channels	Speaker	Continuous Power All Channels Driven	SNR (ref: rated	THD+N	Frequency	Linkwitz-R	iley X-over	Subsonic	AccuBASS	Remote Level
MODEL	Channels	Level Inputs	(RMS) at 14.4V	power)	IND+N	Response	Mode(s)	Settings	Filter	ACCUBASS	Control
ACM-4.300	4	4	50W @ 4Ω 75W @ 2Ω	102 dBa	<0.01%	20 Hz - 20 kHz	High Pass	80 Hz 120 Hz Bypass	32 Hz	N	NA
ACM-2.300	2	2	75W @ 4Ω 150W @ 2Ω	102 dBa	<0.01%	20 Hz - 20 kHz	High Pass	80 Hz 120 Hz Bypass	32 Hz	Ν	NA
ACM-1.300	1	1	175W @ 4Ω 300W @ 2Ω	102 dBa	<0.01%	20 Hz - 20 kHz	Low Pass	80 Hz 120 Hz Bypass	24 Hz	Υ	ACR-1 (optional)

BASS RESTORATION PROCESSORS



THE EPICENTER





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For over twenty-five years, AudioControl's The Epicenter® has been the most sought after bass restoration processor on the planet. The Epicenter contains a bass maximization circuit that accurately recreates and injects low frequency information back into the signal path, providing more low frequency bass impact to your favorite music.

MODEL	Speaker Level Inputs	Preamp Inputs	Preamp Outputs	Trigger Modes	SNR	THD	Subsonic Filter (default)	Maximum Output Level	Remote Level Control
THE EPICENTER	NA	2	2	GTO™ Signal Sense Remote 12V Input	110 dBa	0.03%	33 Hz (programmable)	13.5 Vrms	ACR-1 (included)
THE EPICENTER MICRO	2	2	2	GTO™ Signal Sense Audio Sense Remote 12V Input	105 dBa	0.03%	20 Hz (or bypass)	13.0 Vrms	ACR-4 (included)
THE EPICENTER INDASH	2	2	2	GTO™ Signal Sense Remote 12V Input	110 dBa	0.03%	NA	13.5 Vrms	NA

PREAMP LINE DRIVERS



Give your system the boost that it needs. The high headroom power supply of our line drivers raises any preamp signal up to 24 dB. This provides better dynamic range and a quiet, noise-free signal. Perfect for driving those long cable runs from the front to the back of the vehicle and achieving maximum sound quality and SPL.

Adjust volume output from the comfort of the driver's seat with the optional ACR-1 remote.

MODEL	Preamp Inputs	Preamp Outputs	S/N Ratio	THD	Frequency Response	Subsonic Filter (programmable)	Maximum Output Gain	Maximum Output Level	Remote Level Control
MATRIX PLUS	6	6	> 110 dB	0.005%	10 Hz - 100 kHz	33 Hz	24 dB	9.5 Vrms 13 V Peak	ACR-1 (optional)

PROCESSORS & EQUALIZERS



Maximize overall system performance! AudioControl equalizers offer precise control to compensate for factors that interfere with sound quality. Adjust your system's response for your car's acoustics and your personal musical preferences. Dial in your front stage even more with built-in signal delay in the DQDX™.

MODEL	Speaker Level Inputs	Preamp Inputs	Preamp Outputs	S/N Ratio	THD	Frequency Response	Linkwitz-Riley Crossover (programmable)	Subsonic Filter (programmable)	Signal Delay	Maximum Output Level	Remote Level Control
DQDX	NA	6	6	NA	0.01%	20 Hz - 22 kHz	Y	33 Hz	Y	7.5 Vrms	ACR-3 (included)
EQX	2	2	8	110 dB	0.003%	10 Hz - 20 kHz	Υ	33 Hz	N	7.5 Vrms	NA
EQL	2	2	2	110 dB	0.003%	10 Hz - 100 kHz	Ν	33 Hz	N	7.5 Vrms	NA

IN-DASH AUDIO EQUALIZERS



AudioControl's Three.2 in-dash equalizer is a true audiophile quality product in a half-din chassis. Using an aftermarket head unit, tablet, or any other source with analog outputs, compensate for the acoustics of the vehicle, and recapture the excitement and vibrancy of concerts. Auxiliary inputs allow connection of a second source.

MODEL	Preamp	Aux Input	Preamp	S/N Ratio	THD	Frequency	Linkwitz-Rile	ey Crossover	Maximum
MODEL	Inputs	Aux input	Outputs	3/ N Kario	עחו	Response	Outputs	Slope(s)	Output Level
THREE.2 INDASH EQ	2	Υ	6	110 dB	0.01%	20 Hz - 20 kHz	Low Pass High Pass	24 dB/oct	9.5 Vrms

BLUETOOTH RECEIVERS

Unleash the power of your DSP or DSP Amp with the AC-BT24 Bluetooth® HD Audio Streamer & Programmer (with aptX™ HD support). Add Bluetooth streaming to nearly any system with the weather proof ACX-BT1 (with aptX HD support).

MODEL	aptX Support	IPX Rating	Supported Products
AC-BT24 BLUETOOTH® AUDIO STREAMER & PROGRAMMER	Y	N/A	PRODUCTS WITH THE OPTION PORT: DM-608, DM-810, D-4.800, D-5.1300. D-6.1200, DM-RTA
ACX-BT1 WEATHER PROOF BLUETOOTH® AUDIO STREAMER	Y	IPX5	ANY PRODUCT WITH RCA/ LINE LEVEL INPUTS

AUDIO MEASUREMENT TOOLS

AUDIO INTERFACES	Inputs	Outputs	
DM-RTA	XLR, TRS, RCA, Spkr Lvl	TRS, RCA, Digital	
DM-RTA BASE KIT	Includes: Hard Case, Test Leads, USB A to A, 12V Power Supply		
DM-RTA PRO KIT	Includes: Hard Case, DM-RTA, AC-BT24, CM-10, XLR cable, USB A to A Test Leads, 12V Power Supply		

MEASUREMENT MICROPHONES	Туре	Polar Pattern	Max SPL	Freq. Response
CM-20	Condenser	Omni	105 dB	20 Hz - 20 kHz
C550H	Condenser	Omni	135 dB	20 Hz - 20 kHz

IOS MEASUREMENT MICROPHONES	Max SPL	Audio Output	Charging Pass Thru	Connection Type
SA-4100i	120 dB	Ν	Ν	Lightning
SA-4140i SPL	140 dB	Υ	Υ	Lightning



Paired with the free DM-RTA app, the DM-RTA™ features a Voltage Meter, RTA (1/3, 1/6, and 1/12 octave), SPL Meter, Polarity Checker and a fully functional Oscilloscope. Base and Pro kits now available. The

Pro Kit includes everything you'll need or get the Base Kit if you already own the DM-RTA.



AudioControl offers a range of measurement microphones. These microphones make a perfect addition to the DM-RTA and the

DM-RTA app comes preloaded with calibration presets for the CM-10, CM-20 and C550H.



The SA-4100i and SA-4140i SPL are calibrated, full range, omnidirectional test and measurement

microphones for direct connection to iOS devices. The free Mobile Tools app gives you RTA, FFT and more.

ACCESSORIES

ACR dash remotes are available as optional upgrades or replacements for AudioControl LOCs, processors, and amplifiers.

DASH REMOTES (Level and Programming Controls)	Style			
ACR-1	270° Potentiometer			
Supported Products: The Epicenter, LC2i, LC2i, Pro, LC6i, LC7i, Overdrive Plus, Matrix Plus, 6XS, LC-4.800, LC-5.1300, LC-6.1200, LC-1.1500, ACM-1.300, ACX-300.1				
ACR-2	Endless Rotary Encoder			
Supported Products: LCQ-1, The Epicenter Plus				
ACR-3	Endless Rotary Encoder			
Supported Products: LC8i, DQ-61, DQDX, DM-810, DM-608, D-4.800, D-5.1300, D-6.1200				
ACR-U	270° Potentiometer			
Supported Products: Universal (RCA input and output)				

AC-LGDs generate load & stabilize the factory amp signal. Choose from three resistive loads to ensure seamless integration with your OEM sound system. Available in pairs.

LOAD RESIST	TORS
AC-LGD	
Suggested Application	ss: OEM sound systems requiring a speaker load
AC-LGD 20	
Suggested Application	ss: Non-amplified OEM sound systems requiring a speaker load
AC-LGD 60	G American B
Suggested Application	ss: Premium OEM sound systems requiring a speaker load

MAKE SOME NOTES

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