

AudioControl®

Making Good Sound Great™



MOBILE AUDIO | PRODUCT SUMMARY 2019

PRODUCTS DESIGNED AND ENGINEERED IN THE PACIFIC NORTHWEST

POWER AMPLIFIERS



D-6.1200



D-4.800

AudioControl has paired our award winning amplifier technology with powerful Matrix Digital Signal Processing into the D-4.800™ and D-6.1200™. 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®, GTO™ Signal Sense and MILC™, plus an integrated input and output RTA.

MATRIX DSP AMPLIFIERS	Channels	Speaker Level Inputs	Continuous Power All Channels Driven (RMS) at 14.4V	S/N Ratio (ref: rated power)	THD+N	Linkwitz-Riley Crossover		Bass Processing	Pass Thru	Option Port	Dash Remote
						Mode(s)	Freq. Range				
D-6.1200 NEW!	6	8	125W @ 4Ω 200W @ 2Ω 400W Bridged (4Ω)	102 dBa	<0.01%	Low Pass Band Pass High Pass	20 Hz - 20 kHz	AccuBASS	Y	Y	ACR-3 (optional)
D-4.800	4	6	125W @ 4Ω 200W @ 2Ω 400W Bridged (4Ω)	102 dBa	<0.01%	Low Pass Band Pass High Pass	20 Hz - 20 kHz	AccuBASS	Y	N	ACR-3 (optional)



LC-6.1200



LC-4.800

Featuring OEM integration friendly features such as channel summing and our patented AccuBASS®, the LC-4.800™ and LC-6.1200™ multi-channel amplifiers will change the game in factory system upgrades, 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 AMPLIFIERS	Channels	Speaker Level Inputs	Continuous Power All Channels Driven (RMS) at 14.4V	S/N Ratio (ref: rated power)	THD+N	Linkwitz-Riley Crossover		Subsonic Filter (selectable)	Bass Processing	Pass Thru	Dash Remote
						Mode(s)	Freq. Range				
LC-6.1200	6	8	125W @ 4Ω 200W @ 2Ω 400W Bridged (4Ω)	102 dBa	<0.01%	Low Pass Band Pass High Pass	30 Hz - 5 kHz	33 Hz / Off	AccuBASS	Y	ACR-1 (optional)
LC-4.800	4	6	125W @ 4Ω 200W @ 2Ω 400W Bridged (4Ω)	102 dBa	<0.01%	Low Pass High Pass	30 Hz - 300 Hz	33 Hz / Off	AccuBASS	Y	ACR-1 (optional)



LC-1.1500



LC-1.800

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.

SUBWOOFER AMPLIFIERS	Channels	Speaker Level Inputs	Continuous Power (RMS) at 14.4V	S/N Ratio (ref: rated power)	THD+N	Linkwitz-Riley Crossover		Subsonic Filter	Bass Processing	Dash Remote
						Mode(s)	Freq. Range			
LC-1.1500 NEW!	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 NEW!	1	2	500W @ 4Ω 800W @ 2Ω	102 dBa	<0.1%	Low Pass	30 Hz - 230 Hz	24 Hz	AccuBASS®	ACR-1 (optional)

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.

The Option Port on the DM-810™ and DM-608™ allows for Bluetooth® HD audio streaming and programming using the new AC-BT24™. It also opens up proprietary connections to your factory head unit with the new DM-Link™.



DM-810



DM-608

DM SMART DSP APP

DM Smart DSP app is available for PC and Mac and will feature tablet and smart phone support via the upcoming 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	Dash Remote	Option Port
DM-810	8	8	1 x S/PDIF 1 x Optical	10	Y	Y	0.01%	20 Hz - 24 kHz	Y	10 Vrms	ACR-3 (optional)	Y
DM-608	6	6	1 x S/PDIF 1 x Optical	8	Y	Y	0.01%	20 Hz - 24 kHz	Y	10 Vrms	ACR-3 (optional)	Y

OEM INTEGRATION

Every make, model, and year of car is different, so installation of an upgraded sound system can be tricky. Most factory radios today are so much more than the radio. They are the command center for the vehicle and changing them gets very expensive (if even possible) and you do not get much of a sound improvement.

With industry leading features such as intuitive channel summing, patented AccuBASS® bass compensation, GTO™ Signal Sense, signal delay and EQ, AudioControl Factory System Upgrades Make Good Sound Great!



LC2i



LC6i



LC7i



LC8i



LCQ-1



DQ-61

MODEL	Speaker Level Inputs	Channel Summing	Aux Input	Preamp Outputs	GTO™ Signal Sense	Frequency Response	Signal Delay	Equalizer	AccuBASS®	Maximum Output Level	Dash Remote (level control)
DQ-61	6	Y	N	6	Y	10 Hz - 22 kHz	Y	Y	Y	7.5 Vrms	ACR-3 (included)
LCQ-1	6	Y	N	6	Y	10 Hz - 22 kHz	N	Y	Y	7.5 Vrms	ACR-2 (optional)
LC2i	2	N	N	4	Y	10 Hz - 100 kHz	N	N	Y	9.5 Vrms	ACR-1 (optional)
LC6i	6	Y	N	6	Y	10 Hz - 22 kHz	N	N	N	9.5 Vrms	ACR-1 (optional)
LC7i	6	Y	N	6	Y	10 Hz - 22 kHz	N	N	Y	8.5 Vrms	ACR-1 (optional)
LC8i	8	Y	Y	8	Y	10 Hz - 22 kHz	N	N	N	8.5 Vrms	ACR-3 (included)

ACM AMPLIFIERS

ACM 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

MULTI-CHANNEL AMPLIFIERS	Channels	Speaker Level Inputs	Continuous Power All Channels Driven (RMS) at 14.4V	S/N Ratio (ref: rated power)	THD+N	Frequency Response	Linkwitz-Riley Crossover		Subsonic Filter	Bass Processing
							Mode(s)	Settings		
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	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	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	AccuBASS

PREAMP LINE DRIVERS



MATRIX PLUS



OVERDRIVE PLUS

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	Dash Remote
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)
OVERDRIVE PLUS	2	2	> 110 dB	0.005%	10 Hz- 100 kHz	N/A	24 dB	9.5 Vrms 13 V Peak	ACR-1 (optional)

BASS RESTORATION PROCESSORS



THE EPICENTER



THE EPICENTER PLUS



THE EPICENTER INDASH

For more than twenty 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. This means The Epicenter will give more low frequency bass impact to your favorite music.

MODEL	Speaker Level Inputs	Preamp Inputs	Aux Input	Preamp Outputs	S/N Ratio	THD	Subsonic Filter (programmable)	Maximum Output Level	Dash Remote
THE EPICENTER	N/A	2	N	2	110 dB	0.003%	33 Hz	13.5 Vrms	ACR-1 (included)
THE EPICENTER PLUS	2	2	Y	2	110 dB	0.003%	33 Hz	9.5 Vrms	ACR-2 (included)
THE EPICENTER INDASH	2	2	N	2	110 dB	0.003%	N/A	13.5 Vrms	N/A

EQUALIZERS AND PROCESSORS



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	Dash Remote
DQDX	N/A	6	6	N/A	0.01%	20 Hz - 22 kHz	Y	33 Hz	Y	7.5 Vrms	ACR-3 (included)
EQS	4	6	6	110 dB	0.003%	10 Hz - 100 kHz	N	33 Hz	N	9.5 Vrms	N/A
EQX	2	2	8	110 dB	0.003%	10 Hz - 20 kHz	Y	33 Hz	N	7.5 Vrms	N/A
EQL	2	2	2	110 dB	0.003%	10 Hz - 100 kHz	N	33 Hz	N	7.5 Vrms	N/A

IN-DASH AUDIO EQUALIZERS



AudioControl's in-dash equalizers are true audiophile quality products in a half-din chassis. Using an after-market 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 Inputs	Aux Input	Preamp Outputs	S/N Ratio	THD	Frequency Response	Linkwitz-Riley Crossover		Maximum Output Level
							Outputs	Slope(s)	
THREE.2	2	Y	6	110 dB	0.01%	20 Hz - 20 kHz	Low Pass High Pass	24 dB/oct	9.5 Vrms
FOUR.1i	2	Y	4	110 dB	0.01%	20 Hz - 20 kHz	N/A	N/A	9.5 Vrms

ELECTRONIC CROSSOVERS



Clean, crisp, smooth sound without distortion — that is what you get with an AudioControl electronic crossover. Advanced programmable and steep slope filtering trims frequencies to minimize distortion and power waste. The result: complete, clear, and solid sound.

The 6XS is a powerful 3-way crossover with independent subwoofer control. Choose the 2XS for a clean 2-way set up.

MODEL	Preamp Inputs	Preamp Outputs	S/N Ratio	THD	Frequency Response	Linkwitz-Riley Crossover		Subsonic Filter (programmable)	Maximum Output Level	Dash Remote (level control)
						Outputs	Slope(s)			
6XS	6	8	> 110 dB	0.005%	10 Hz - 100 kHz	Low Pass Band Pass High Pass	24 dB/oct 18 dB/oct	33 Hz	9.5 Vrms	ACR-1 (included)
2XS	2	4	> 115 dB	0.005%	15 Hz - 20 kHz	Low Pass High Pass	18 dB/oct	33 Hz	9.5 Vrms	N/A

AUDIO MEASUREMENT TOOLS

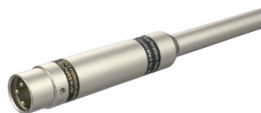
AUDIO INTERFACES	Inputs	Outputs	Internal Battery	Connection Type
DM-RTA	XLR TRS RCA Speaker	TRS RCA Digital USB	Y	USB or Option Port

MEASUREMENT MICROPHONES	Type	Polar Pattern	Max SPL	Freq. Response
CM-10	Condenser	Omni	136 dB	20 Hz - 20 kHz
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	N	N	Lightning
SA-4140i SPL	140 dB	Y	Y	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.



AudioControl offers a range from every-day measurement microphones to high-precision instrumentation microphones like the Josephson C550H. These microphones make a perfect addition to the DM-RTA. 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, omni-directional test and measurement microphones for direct connection to iOS devices. The free Mobile Tools app gives you RTA, FFT and more.

ACCESSORIES

Combine the ACM-4.300 and ACM-1.300 under the **ACM-5.600** Cover Plate for a powerful and 5 five channel micro amplifier.

ACM COVER PLATE
ACM-5.600



DASH REMOTES (Level and Programming Controls)	Style
ACR-1	270° Potentiometer
Supported Products: The Epicenter, LC2i, LC6i, LC7i, Overdrive Plus, Matrix Plus, 6XS, LC-4.800, LC-6.1200, LC-1.800, LC-1.1500, ACM-1.300	
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-6.1200	



Unleash the power of your DSP or DSP Amp with the AC-BT24 Bluetooth® HD Audio Streamer & Programmer (with aptX support).

Interface directly to your factory head unit with the DM-Link.

OPTION PORT ACCESSORIES

For products with the Option Port

AC-BT24
BLUETOOTH® AUDIO STREAMER & PROGRAMMER

DM-LINK
ADS MAESTRO® INTERFACE

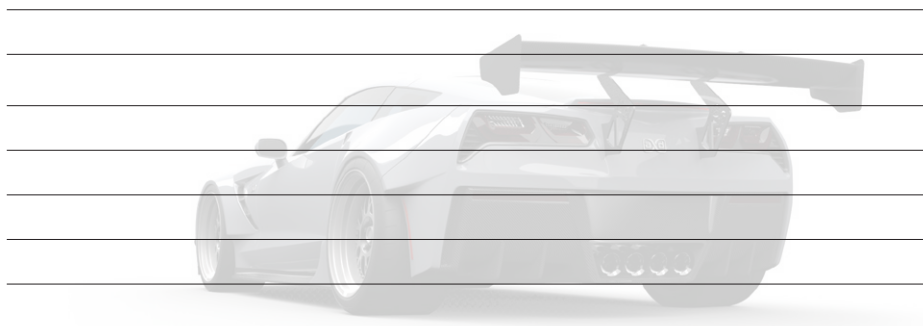


Using carefully selected resistors and a Zobel Network, the AC-LGD generates "load" & stabilizes factory amp signal.

LOAD RESISTORS

AC-LGD
LOAD GENERATING DEVICE

MAKE SOME NOTES!



AudioControl®
Making Good Sound Great™

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