

Architect Amplifiers

AudioControl[®]

Model 560, 735, 760 • 12 Channel Power Amplifier/Equalizer

Model 960, 961 • 16 Channel Power Amplifier / Equalizer/Internet Connectivity

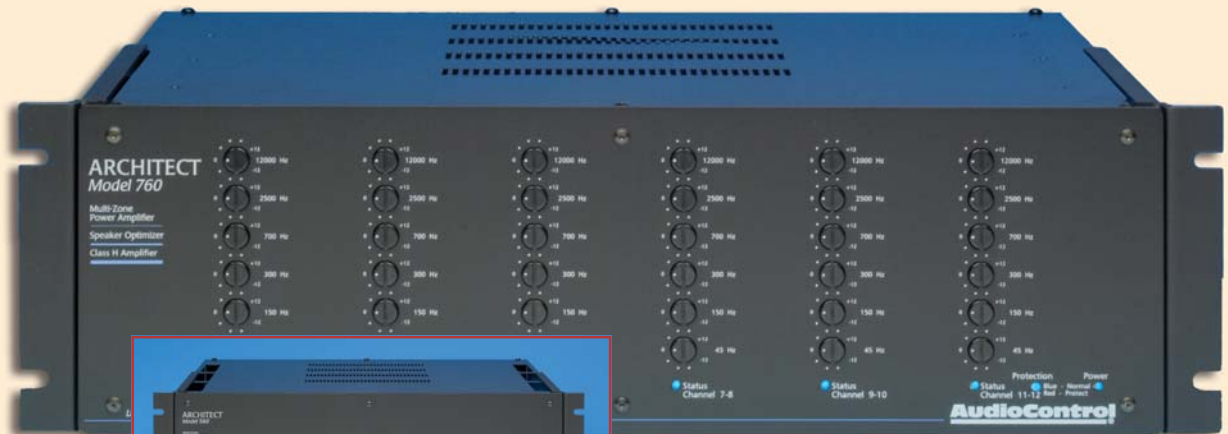
Bulletproof Amplifiers

New!

Easy to Listen to...

Easy to use...

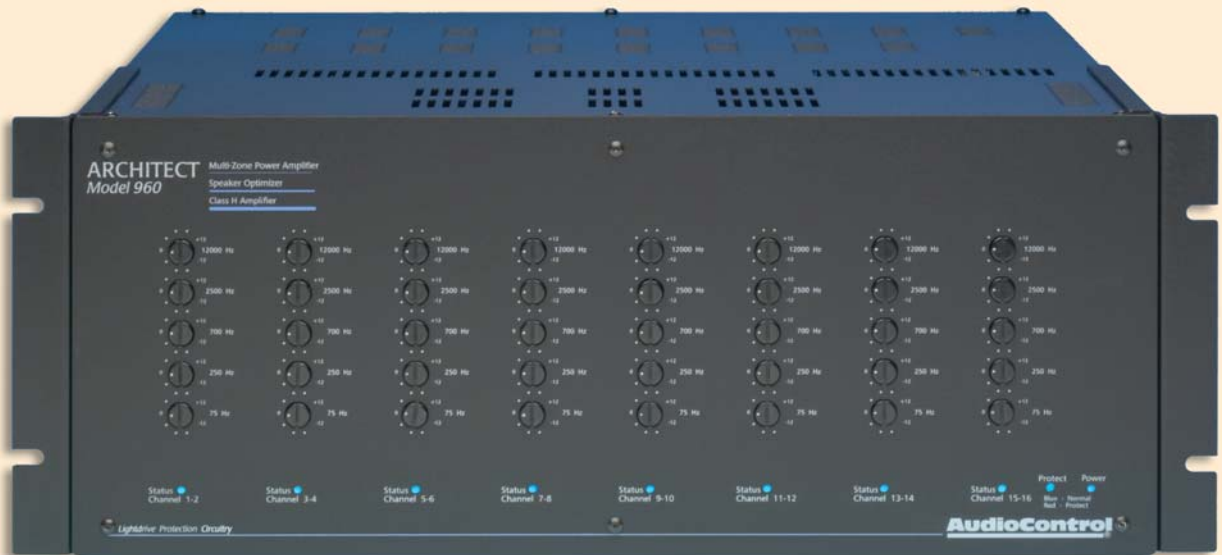
Very hard to break.



Model 760 with Equalizer



Model 560



Model 960 with Equalizer



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For Those Who Consider Perfection Possible[®]
22410 70th Avenue West • Mountlake Terrace, WA 98043
425-775-8461 • Fax 425-778-3166
www.audiocontrol.com

*This is
Bulletproof Audio*

**Architect Power
Amplifiers • Equalizers**



Easy to Listen to...

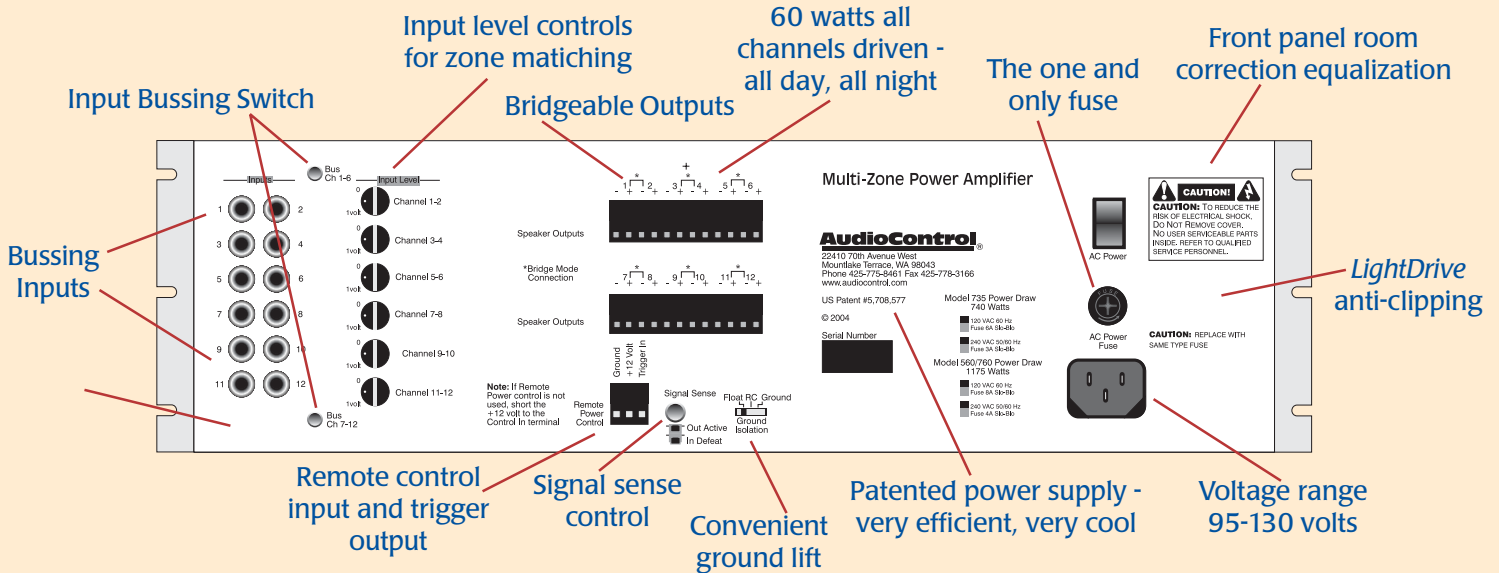
Pristine sonics are the *first* goal of any AudioControl amplifier design. In the final analysis, music and enjoyment are what we are delivering. At AudioControl, we take this responsibility very seriously.

Not only should an amplifier sound good under *ideal* circumstances, it also should sound good during the most extreme use. AudioControl Architect amplifiers do.

First, Architect amplifiers deliver their full power not just with two channels operating but with all channels at the maximum. Then there is the AudioControl *Lightdrive* circuit which prevents amplifier clipping and the harshness, distortion and speaker damage that clipping causes. Architect amplifiers will sound great at those wild, loud parties. We don't stop there. Built-in are special bass blocking filters to keep inappropriate subsonic frequencies from in-wall speakers. These filters prevent extreme speaker excursion that muddies the sound.

On top of all these features is *room correction equalization*, an AudioControl specialty since 1977. With equalization circuits custom designed for installed speakers, you can tune the best sound in difficult acoustical circumstances. The result is spectacularly better sound.





Easy to Use...

Installation friendliness is a very important goal of all AudioControl products. For AudioControl Architect amplifiers, this means a long list of features including low speaker impedance tolerance, full power down to a line voltage of 95 volts, and no internal fuses to tediously replace. And since it can be a dangerous world out there, it also means full protection against short circuits, thermal conditions, DC offset and clipping. These protections are on channel pairs so the other channels keep playing if there is a problem. When the fault is fixed, Architect amplifiers reset themselves automatically and continue the music.

Convenience features include a very compact chassis to save rack spaces, beefy rack mounts as

standard, a trigger out for other equipment as well as a trigger input, and an optional ethernet port for automation control. It is also convenient that these Class H amplifiers run quite cool, putting very little heat into the rack.

LED's abound on Architect amplifiers to let you know the status of channels and any protection issues. The amplifiers even have LEDs that show when the switches are active.

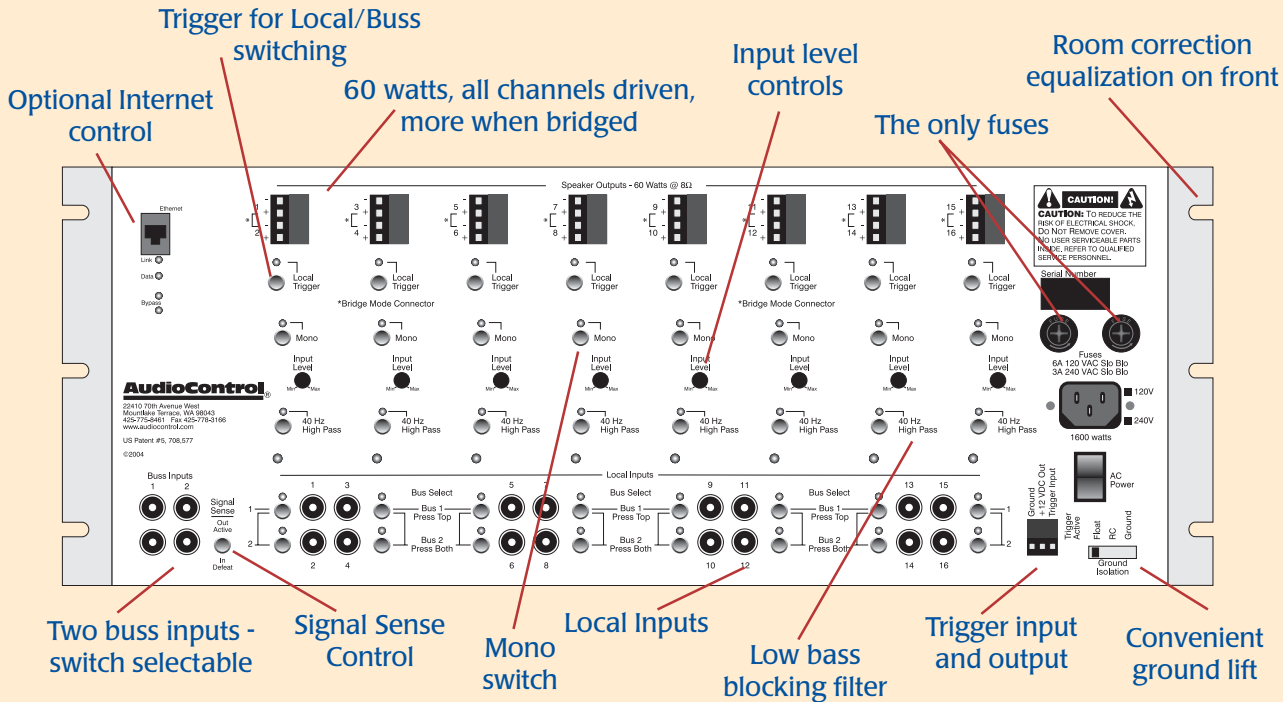
Other features which make Architect amplifiers flexible are two separate bussed inputs and a unique ground lift switch for a legal solution to troublesome ground loop problems. Plus all Architect amplifiers are bridgeable for those higher power situations.

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Model 735



Very, Very Hard to Break

Innovative features and pristine sound count for little if the product is unreliable. For AudioControl, *bulletproof reliability* is a mantra and a reputation we have earned over more than twenty-five years.

Bulletproof reliability starts with component selection and amplifier design. Architect amplifiers are designed by very experienced amplifier engineers.

Since reliability does not stop with design, these same engineers also oversee the amplifier's production at the AudioControl factory outside of Seattle, Washington, USA. The passion and fastidious care put into the design and manufacturing of Architect amplifiers is difficult to put properly into words.

Reliability also comes from design features. Features like a patented power supply and *Class H* amplifier circuitry for very, very cool operation. Also the warranty for AudioControl amplifiers is a quite unusual five years. The expected *lifetime* of the Architect amplifiers is not the five years of the warranty but quite literally—a lifetime.

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*This is
Bulletproof Audio*



Architect Amplifier Features*

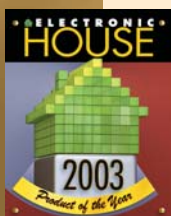
	Model 560	Model 735	Model 760	Model 960	Model 961
Room correction equalizer	No	Yes	Yes	Yes	Yes
Minimum recommended impedance	2	4	2	2	2
Bridgeable for higher power	Yes	Yes	Yes	Yes	Yes
Normal operation heat output	Very low	Very low	Very low	Very low	Very low
Class H High Efficiency design	Yes	NA	Yes	Yes	Yes
Internal Fuses to Replace	None	None	None	None	None
Safe power without clipping danger** Full Output	Full Output	Full Output	Full Output	Full Output	Full Output
PFM, Bass protection filter	Yes	Yes	Yes	Yes	Yes
Soft Volume Ramp	Yes	Yes	Yes	Yes	Yes
Staged, low current in-rush turn on	Yes	Yes	Yes	Yes	Yes
Mono switch for channel pair	No	No	No	Yes	Yes
Bussing Inputs	Yes	Yes	Yes	Yes	Yes
Local Zone over-ride of bussed input	No	No	No	Yes	Yes
Power Supply Patent # 5,708,577	Yes	NA	Yes	Yes	Yes
Short Circuit and Thermal Protection	Yes	Yes	Yes	Yes	Yes
DC Offset and Clipping Protection	Yes	Yes	Yes	Yes	Yes
TCP/IP Internet/Ethernet Control	NA	NA	NA	No	Yes
Rack Mounts	Standard	Standard	Standard	Standard	Standard
Ground Lift Switch on Rear	Yes	Yes	Yes	Yes	Yes
Factory Location	USA	USA	USA	USA	USA
Warranty	5 years	5 years	5 years	5 years	5 years

*Full specifications on following page

**LightDrive

We Could Be Making Electric Toothbrushes, But We're Not.

Instead, at AudioControl, we make music better. Since 1977, we have dedicated ourselves to building the highest quality, best sounding, good value and bulletproof reliable products. We design AND build these products at the AudioControl factories in Washington State, the Pacific Northwest rain forest. We like producing high quality, innovative products that give people pleasure. At AudioControl, we pledge to continue to make easy to install products with superior sound that never break.

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Architect Specifications	Model 735	Model 560 & 760	Model 960 & 961
Number of channels	12	12	16
Power Rating (all channels driven)	35 Watts @ 8 ohms	60 Watts @ 8 ohms	60 Watts @ 8 ohms
Bridged Power	150 watts @ 8 ohms	210 watts @ 8 ohms	230 Watts @ 8 ohms
Minimum Speaker Load	4 ohms	2 ohms	2 ohms
Damping Factor	Greater than 200	Greater than 200	Greater than 200
Equalizer Center Frequencies	45Hz, 150, 300, 700, 2500, 12kHz	45Hz, 150, 300, 700, 2500, 12kHz	75, 250, 700, 2.5k, 12kHz
PFM Highpass Filter	40 Hz (module)	40 Hz (module)	40 Hz (switchable)
Remote Power Trigger	+12 VDC or Dry Contact Closure	+12 VDC or Dry Contact Closure	+12 VDC or Dry Contact Closure
Signal to Noise ratio	>100 dB, A-wtd, ref. Full Output	>100 dB, A-wtd, ref. Full Output	>100 dB, A-wtd, ref. Full Output
Total Harmonic Distortion	0.05% (Full Power, 20-20k)	0.1% (Full Power, 20-20k)	0.05% (Full Power, 20-20k)
Input Sensitivity	0-1V variable	0-1V variable	0-1V variable
Crosstalk Isolation	>75 dB @ 1 kHz	>75 dB @ 1 kHz	>80dB @1kHz
Input Impedance	100 Kiloohms	100 Kiloohms	100 Kiloohms
Protection Circuits – All Automatic Resetting	Clipping, Thermal, Short Circuit, DC Offset	Clipping, Thermal, Short Circuit, DC Offset	Clipping, Thermal, Short Circuit, DC Offset
Power Consumption (all channels driven full power)	650 watts	1100 watts	1600 Watts
AC Main Operating Voltage	95-130 volts	95-130 volts	95 - 130 Volts
Current Inrush	4 amps	5 amps	7 amps
Rack Mounting (Standard)	19" Brackets (3U High)	19" Brackets (3U High)	19" Brackets (4U High)
Network Protocol (Model 961)	NA	NA	10 Base T Ethernet / TCP/IP
Communication Protocol	NA	NA	HTTP or Telnet
Weight	32 pounds	35 pounds	48 pounds
Dimensions	17"W x 16"D x 5.25"H	17"W x 16"D x 5.25"H	17" W x 16" D x 7" H
US Patent Number		5,708,577	5,708,577

Specifications subject to change, particularly improvement, without notice, just like our Seattle weather.

What is LightDrive?

Amplifier clipping causes speakers to sound bad and die early. The Architect amplifiers *LightDrive* circuits prevents clipping and preserves pristine sonics. The result is you can use the full power of the amplifier without worry or problems.

Why Class H?

In a word, cool. Amplifier power should go to the speakers, not to heat the room. With *Class H*, the amplifier, like the transmission in a car, shifts up and down with the music. Often other components in the system run hotter than the AudioControl *Class H* amplifiers.



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