

2008/2009

AVM
NEXT GENERATION



High quality CD-Player
with upsampling converter



Best reception of FM
and DAB



Highest quality power amplifier
with individual power supply



Unique operation concept
with soft keys



DVD video playback with
progressive scan and HDMI

Top fit in all disciplines



The AVM inspiration series

The AVM inspiration line consists of two real multi-talents. Thanks to their versatility and superior sound reproduction they offer world-class level in almost every audio-visual application.

Just touching the cool surface of the aluminium case gives a good impression of the inspiration series' overall quality.

Non compromising Hi Fi Enthusiasts will love the inspiration line for its compact size without missing powerful music reproduction. The beautiful and user-friendly design will also be appreciated by the less technically oriented music lover. The main functions are easily operated by few buttons. Numerous additional (sensitivity, sourcenames etc.) functions can be accessed via the menu if needed.

**Technology, comfort and quality –
100% invented, engineered and produced
in Germany**

Invented, engineered and produced in Germany



DVD-Receiver
AVM inspiration D6m

**„Technical finesse and sound
craftsmanship make this unit a real
multitalent! (STEREO, 12/07)“**

(STEREO, 12/07)



CD-Receiver
AVM inspiration C6m

AVM inspiration D6m

DVD/CD/SACD-Receiver with 2 x 60 Watts output power



The best of audio and video in one unit: The D6m plays DVDs SACDs and CDs and also MP3 coded DVDs and CDs in highest audiophile stereo quality. Video is reproduced at maximum resolution and sharpness via digital HDMI output or component output with progressive scan. The D6m contains additionally an integrated amplifier with phono equalizer and FM/DAB Tuner for utmost versatility.

This all comes in a beautiful midi-sized (33 cm) case made of massive aluminium available in silver or black. The large graphic display shows all needed information in brilliant blue color. The accompanying massive aluminium remote control RC4 offers easy access to nearly all functions of the D6m without need to get up from your chair.

Technical highlights

- Individual power supplies for preamp section and power amplifier
- 25 VA/10.000 µF (preamp), 170 VA / 20.000µF (poweramp)
- Highly efficient digital poweramp with 2 x 60 Watts output power
- Graphic VFD, all functions easily accessible by soft keys & menu
- 2 x line RCA-cinch in, 1 phono-MM RCA-cinch in
- 1 tape out, 1 processor in/out
- Speakers out, pre out, phones out, digital ot (coax & optical)
- Parametric loudness function & tone control (bypassed if not in use)
- Tuner FM/DAB with 50-place station memory
- Aluminium remote control RC4 included
- Cases available in silver or black aluminum
- Video outputs: Composite, S-Video, YUV, HDMI, progressive scan (Farudia)
- Disc formats: CD, CD-R, -RW, SACD, DVD video, DVD+RW, +R, -RW, -R, MP3-CD, MP3-DVD, Picture-CD, JPEG, SVCD, Video-CD, DIVX
- Sound format: CDDA, SACD stereo, DVD video (stereo-downmix), MP3, WMA, DTS, DOLBY DIGITAL (AC3), DOLBY Prologic II, DOLBY Prologic Surround
- Video format: MPEG1, MPEG2, MPEG4



AVM inspiration C6m

CD-Receiver with 2 x 90 Watts output power



The C6m is a perfect ten for all Music lovers who want an audiophile CD player, a good sounding tuner in combination with a powerful amplifier together in a beautiful slim case.

Thanks to its upsampling technique (96 kHz/24 Bits) the C6m guarantees finest music reproduction not only when playing CDs with the built in drive but also for external digital signals via its digital inputs.

The tuner receives FM as well as DAB in fantastic quality. The 50 station memory makes it very comfortable to use.

The built in poweramplifier has its own power supply. It offers high continuous output power, a high damping factor and very low noise for best sound with all kinds of loudspeakers. Parametric loudness, tone controls (switchable), sensitivity setting for each input and many other features will satisfy even very demanding users.

Technical highlights

- Individual power supplies for preamp section and power amplifier
- 4 line inputs (RCA-Cinch)
- 1 tape monitor, 1 processor in-/out
- 2 digital in-/outputs optical and coaxial
- Parametric loudness function, tone control, bass boost (bypassed if not in use)
- Low impedance speaker output can drive down to 2 Ohms
- High efficiency poweramp technology
- Upsampling to 96 kHz/24 bits, quartz stabilized clock with extremely low jitter
- FM RDS and DAB tuner with radiotext
- Remote controllable by infrared (RC3 included)
- Numerous additional functions accessible by menu (sensitivity, sourcenames etc.)
- Cases available in silver or black aluminum



Technical data inspiration D6m

Amplifier		Tuner		General	
Sensitivity	5 mV - 1,25V	Frequency range FM	87,5 - 108,0 MHz	Power consumption	4 VA (stby), 200 VA max
Input impedance	10 kOhms	Frequency range DAB	Band III and L-Band	Mains Voltage	230 V/50 Hz
S/N figure	97 dB(A)	Sensitivity FM	1,5 µV / 50 µV (mono/stereo)	Dimensions (WxHxD)	330 x 90 x 345 mm
Frequency response	5 Hz - 40 kHz	Sensitivity DAB	-98 dBm	Weight	9 kgs
Damping factor	>100				
Output power (4 Ohms)	2 x 60 Watts				
Player (CD, SACD, DVD in stereo)		Video			
Upsampling	up to 174 kHz (CD only)	Composite, S-Video, YUV, HDMI, progressive scan (Farudia)			
Frequency response	< 20 Hz - 20 kHz				
Digital outputs	44,1 kHz/16 Bit, LPCM				

Technical data inspiration C6m

Amplifier		Tuner		CD		General	
Sensitivity	0,033 – 0,56 V	Frequency range FM	87,5 - 108,0 MHz	Formats	CD-Audio, CDR	Power	1 VA (standby), consumption 220 VA max.
Input impedance	10 kOhms	Frequency range DAB	Band III and L-Band	Upsampling	96 kHz/24 Bit	Power supply	AC 230 V/50 Hz
S/N ratio	96 dB(A)	Sensitivity FM	1,5 µV/50 µV (mono/stereo)	Frequency response	20 Hz - 20 kHz auto	Dimensions	330 x 90 x (WxHxD) 345 mm
Frequency response	1 Hz - <100 kHz	Sensitivity DAB	-98 dBm	Deemphasis	33 - 96 kHz/16 - 24 Bit	Weight	9 kgs
THD+N @25 W/4 Ohms	< 0,015 %			Digital-inputs (S/PDIF, TOSLINK)	44,1 kHz/16 Bit or input format		
Damping factor	>150			Digital-outputs (S/PDIF, TOSLINK)			
Output power 4 Ohms	2 x 90 Watts						

Precision and power



The AVM EVOLUTION series.

Powerful amplifiers must be built into solid cases. The famous AMP monos as well as the CD receiver C5 are constructed according to this recognition. Behind their extra thick front panels they contain power and technology in abundance. Both offer highest-grade long-lasting quality and power on the highest level.

The circuit concepts are based on our long time experience in constructing musical amplifiers. Huge oversized transformers and capacitors in the power supplies can deliver never-ending power to the output transistors. The output stages have a current capability of 60 to 100 Ampères and can drive any loudspeaker at high levels independently of its impedance. Besides that the amplifiers react extremely fast and accurate on every change of the input signal. This characteristic makes the basis for really natural music reproduction at any level.

The combination of really musical circuit concepts together with electronic and mechanical parts of finest quality and our precise final inspection creates Hi-fi sets which offer you a perfect and long-lasting musical experience.

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CD-Receiver
AVM Evolution C5

**„So the C5 is first choice for all
who want a powerful all-in-one
Hi-fi set“**

(STEREO, 12/07)



AMP mono power amplifiers

AVM Evolution C5

CD-Receiver with 2 x 180 Watts output power



Integrated amplifier, CD-player, D/A-Converter and Tuner: With its massive aluminium case the C5 is an impressive manifestation of a true highest quality Hi-fi combination set.

Upsampling technique (96 kHz/24 Bits) guarantees for finest musical reproduction of digital audio signals. No matter if they come from the built in CD drive or external digital sources via the C5's digital inputs.

The tuner receives FM in fantastic quality and is also able to receive and decode DAB. The 50 station memory makes it very comfortable to use.

The built in poweramplifier with own power supply matches perfectly with all kinds of loudspeakers. It offers very high continuous output power, a high damping factor and very low noise. Parametric loudness, tone controls (switchable), sensitivity setting for each input and many other features will satisfy even very demanding users.

Technical highlights

- Individual power supplies for preamp section and power amplifier
- 4 line inputs (RCA-Cinch)
- 1 tape monitor, 1 processor in-/out
- 2 digital in-/outputs optical and coaxial
- Parametric loudness function, tone control, bass boost (bypassed if not in use)
- Low impedance speaker output can drive down to 2 Ohms
- High efficiency poweramp technology
- Upsampling to 96 kHz/24 bits, quartz stabilized clock with extremely low jitter
- FM RDS and DAB tuner with radiotext
- Remote controllable by infrared (RC3 included)
- Numerous additional functions accessible by menu (sensitivity, sourcenames etc.)
- Cases available in silver or black aluminum



Technical data Evolution C5

Amplifier		Tuner		CD		General	
Sensitivity	0,033 - 0,56 V	Frequency range FM	87,5 - 108,0 MHz	Formats	CD-Audio, CDR	Power	1 VA (standby),
Input impedance	10 kOhms	Frequency range DAB	Band III and	Upsampling	96 kHz/24 Bit	consumption	500 VA max.
S/N ratio	96 dB(A)		L-Band	Frequency response	20 Hz - 20 kHz	Power supply	AC 230 V/50 Hz
Frequency response	1 Hz - <100 kHz	Sensitivity FM	1,5 µV/50 µV	Deemphasis	auto	Dimensions	430 x 130 x
THD+N @25 W/4 Ohms	<0,015 %	Sensitivity DAB	-98 dBm	Digital-inputs	33 - 96 kHz/	(WxHxD)	370 mm
Damping factor	>150			Digital-outputs	16 - 24 Bit	Weight	12,5 kgs
Output power 4 Ohms	2 x 180 Watts			(S/PDIF, TOSLINK)	44,1 kHz/16 Bit		
				(S/PDIF, TOSLINK)	or input format		

AMP Mono

Mono poweramplifier of 400 Watts output power

Fascinating musicality from the first tone on and enough power for explosive dynamism over any loudspeaker – that were two of our aims when we developed the AMP mono.

No compromises, only the best components and over one year of development created a mono poweramplifier which we are proud of. The AMP mono doesn't sound – it simply reproduces music without adding or leaving out something.

No matter if contemplative chamber music, a classical concert or powerful pop music – the AMP mono will make a true musical life experience full of emotions out of any kind of music.

Technical highlights

- Extremely short signal paths for fast reaction time
- Rise time of under 1µs even to 2 Ohm load
- No relay in the signal path, thereby extremely low internal resistance that cannot be altered by contact wear, despite long periods of operation
- Gold plated connections and pc-boards that are immune to environmental influences
- Casing of almost non magnetic aluminum
- Universal connections: balanced and unbalanced input, bi-wiring loudspeaker connections with fully insulated clamps.
- Low noise LED stabilization for the operation voltages of the input stage
- Three independent power supplies for the digital components, driver stage and output transistors ensure absolute freedom from reaction and load stability of less than 1 Ohm
- 1000 VA power transformer, over 100.000 µF capacitance and rectification by extremely fast diodes results in low interference, fast reaction and extremely stable power supply with huge performance reserves
- Safety circuits against direct voltage, over heating and short circuits ensure effective operational safety
- Environmentally friendly stand-by mode of less than 2 Watts
- Case available in black or silver, front panels in black, silver or chrome



Technical data AMP mono

Sensitivity Cinch:	1,25 V / 10 kOhms (350 W / 4 Ohms)	Intermodulation 25 W/4 Ohms:	< 0,01 %	Power supply:	230 Volts, 50/60 Hz/1000 VA (stand by 2 VA)
Sensitivity XLR:	1,25 V / 20 kOhms (350 W / 4 Ohms)	THD at 25 W/4 Ohms:	< 0,005 %	Dimensions (LxWxH):	305 x 360 x 170 mm
		Transient intermodulation (TIM):	not measurable	Weight:	22 - 26 kgs (dependent on fittings)
		Signal-to-noise-ratio 25 W/4 Ohms:	>100 dB(A)		
Output Power into 8 Ohms:	200 Watts	Frequency response:	0,3 Hz - >500 kHz		
Output Power into 4 Ohms:	400 Watts	Load band width 25 W / 4 Ohm:	0,3 Hz - >500 kHz		
Output Power into 2 Ohms:	700 Watts	Rise time at 4 Ohm:	0,8 µs		
Output Power into 1 Ohm:	1000 Watts	Slew rate:			
		Damping factor:	> 200 V/µs		

The right equipment for every need



The AVM Evolution series Next Generation

There are situations where it needs to have choice to obtain the best result. This is when specialists and not allrounders are in demand. The components of the Next Generation series are the successors of the legendary series Evolution 3 of the nineties.

With their classical design they continue the proven virtue of the AVM single components. At the same time they perform a step ahead into the next generation by offering more comfort and more possibilities and even more musical quality. As the former Evolution 3 series they are also available with beautiful worthy chrome fronts.

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CD-player & integrated
amplifier AVM Evolution
CD3NG/A3NG

„Extremely vivid and clear with
powerful dynamics... 105 points,
reference class “

(Test AVM CD3NG in AUDIO 8/2006)



AVM M3NG mono power amplifiers

AVM Evolution CD3NG

Upsampling CD Player



The CD3NG offers non compromising sound quality. The CDs are played back by a real CD-drive – not a DVD drive. The built in upsampling circuitry and the 24 Bits/192 kHz D/A-converters together with the oversized power supply do their work so convincing, that the German AUDIO awarded it as a reference.

Besides the common features (PLAY STOP PAUSE etc) the CD3NG offers seven selectable filter combinations which help you to adapt the tonal balance of the player according to your individual taste.

The clear design of the front panel provides ease of operation. With the optional chrome front the CD3NG is a real piece of jewelry.

Technical highlights

- Audio formats: CD audio 44,1 kHz/16 bits
- Discs: CDA, CDR CDR/W
- Conversion: up to 192 kHz/24 bits, 7 different filters selectable
- Audio outputs: 1 XLR, 1 RCA Cinch, digital outputs: AES/EBU, RCA Cinch, TOSLINK
- Environment friendly 1 Watt standby consumption
- Main functions can be remote controlled (IR transmitter (option) necessary)
- Front panels available in black, silver and chrome

AVM Evolution A3NG

Integrated amplifier with tuner (option) and 2x100 Watts



The A3NG has the same lavish preamplifier section than the V3NG. The power amplifier has its own power supply and therefore can act fully independent of the preamplifier. This means that the A3NG is not just an integrated amplifier but a real preamplifier and a carefully designed power-amplifier in one case.

The A3 NG can be very puristic. But if needed it offers you any desired functionality: Tone controls, parametric loudness, four wire connector for active subwoofers, individual setting of name and sensitivity for each input and and and....

The optional phono equalizer card (option) and the FM/DAB tuner with 50 place station memory (option) can easily be installed (plug in cards) by the customer itself and complete the A3NG to a perfect receiver.

Technical highlights

- 2 toroidal transformers with reduced stray field, over 50.000 microfarads of capacitance
- 1 balanced XLR-input, 3 RCA-Cinch-inputs, 1 Tape-monitor, 1 Processor in/out
- 1 balanced XLR-output, 1 RCA-Cinch-output additional mono-bass out
- Low impedant output stages, gold plated connectors
- Parametric loudness, bass and treble controls (can be bypassed)
- Phono MM or MC input (option), FM/DAB tuner (option)
- Environment friendly 1 watt stand by power consumption
- Remote controllable by infrared (RC3 included)
- Front panels available in black, silver and chrome



Technical data Evolution CD3NG

CD-Player			
Digital outputs		Analogue outputs	
Data format	44,1 kHz/16 Bits	Output impedance	
Output impedance		RCA Cinch	50 Ohms
RCA Cinch	75 Ohms	XLR	150 Ohms
AES/EBU (XLR)	110 Ohms	Frequency response	>20 kHz
Output voltages	according to IEC 958		(depends on selected filter)
Optical output	TOSLINK	S/N	110 dB/113 dB(A)
		General	
		Power consumption	14 Watts (stand by 1W)
		Power supply	230 V/50 - 60 Hz
		Dimensions (WxHxD)	430 x 85 x 310 mm
		weight	5 kgs

Technical data Evolution A3NG

Amplifier		Tuner (option)		General	
Sensitivity (25 W/4 Ohm)	20 mV - 350 mV (adjustable)	Frequency range FM	87,5 - 108,0 MHz	Power supply	AC 230V/50-60Hz
Input impedance RCA Cinch	6,8 kOhms	Frequency range DAB	Band III and L-Band	Power consumption	250 VA, standby 1VA
SNR	97 dB/100 dB(A)	Sensitivity FM	1,5 µV/50 µV (mono/stereo)	Dimensions (WxHxD)	430 x 85 x 340 mm
Frequency response	< 5 Hz - > 200 kHz	Sensitivity DAB	- 98 dBm	Weight	9 kgs
Phono equalization	according to RIAA +/- 0,5 dB (Option)				
THD (25 Watts/4 Ohms)	< 0,08 %				
Output power	70 W (8 Ohms)/100 W (4 Ohms)				

AVM Evolution V3NG/M3NG



Preamp with tuner (option)



Mono poweramplifier with 300 Watts



Evolution V3NG

Easy to use, comfortable, if you want puristic – and musical under all circumstances. This is what makes the V3NG a real AVM product. Numerous inputs, optional phono and tuner plug in cards and the remote control RC3 make the V3NG a perfect central of your hi-fi equipment.

Stereoplay 8/06: First Class

Technical highlights V3NG

- Toroidal transformer with reduced stray field, over 10.000 microfarads of capacitance
- 1 balanced XLR-input, 3 RCA-Cinch-inputs, 1 Tape-monitor, 1 Processor in/out
- 1 balanced XLR-output, 1 RCA-Cinch-output additional mono-bass out
- Low impedant output stages in class-A technique
- Parametric loudness, bass and treble controls (can be bypassed)
- Phono MM or MC input (option), FM/DAB tuner (option)
- Environment friendly 1 watt stand by power consumption
- Remote controllable by infrared (RC3 included)
- Front panels available in black, silver and chrome

Evolution M3NG

These mono poweramplifiers are the ideal partners for the V3NG. They offer pure musicality as well as extreme dynamics, regardless of the connected speaker.

Stereoplay 8/06: Highlight

Technical highlights M3NG

- Extremely short signal paths for quick reaction. Rise-/fall times below 2 ms
- RCA-cinch and balanced XLR input. Fully insulated speaker terminals. All gold plated
- Two independent power supplies for driver and power stages make the circuits free of influences from load. Drive capability down to 1 Ohm load.
- Soft start circuitry avoids large current peaks when switching on.
- 500 VA power transformer, 70.000 microfarads of capacitance, make a stable, quick power supply with huge reserves for powerful bass reproduction
- Protection circuitry against DC, overheat and short circuit ensure trouble free operation
- Automatic switch on and switch off circuitry makes the mono amps easy to use
- Environment friendly 1 watt stand by power consumption
- Front panels available in black, silver and chrome



Accessories



Remote control

RC3

System remote control made of solid aluminium. Controls the most common functions of amplifier, tuner and CD-player: ON, OFF, VOLUME, INPUT, STATION, STOP, PLAY, SKIP. Suitable for C5, C6m, A3NG, V3NG, CD3NG.

RC4

System remote control made of solid aluminium. Especially made for D6m. Can also control C5, C6m, A3NG, V3NG, CD3NG.

Plug in card

Phono card:

Phono equalizer for A3NG and V3NG. Suitable for all kinds of cartridges. Cartridge type (MM or MC), input impedance (resistance, capacitance) and gain can be individually set.



Tuner card:

FM/DAB tuner for A3NG and V3NG. 50 place station memory.



Evolution P2

The universal phono equalizer. Suitable for MM and MC cartridges. Equalization accuracy +/- 0,2 dB (according to RIAA curve).

Technical data Evolution P2

- Suitable for MM and MC (switchable)
- Input impedance can be individually set
- External power adapter
- Gold plated terminals
- front panels available in black, silver and chrome



Technical data Evolution V3NG

Amplifier		Tuner (optional)	
Sensitivity	20 mV - 350 mV (adjustable)	Frequency range FM	87,5 - 108,0 MHz
Input impedance	6,8 kOhms	Frequency range DAB	Band III and L-Band
RCA Cinch		Sensitivity FM	1,5 µV/50 µV (mono/stereo)
SNR	98 dB/101 dB(A)	Sensitivity DAB	-98 dBm
Frequency response	< 5 Hz - > 200 kHz	General	
Phono equalization	according to RIAA +/- 0,5 dB (Option)	Power supply	AC 230V/50-60Hz
		Power consumption	10 VA, standby 1VA
		Dimensions (WxHxD)	430 x 85 x 340 mm
		Weight	6 kgs

Technical data Evolution M3NG

General	
Sensitivity RCA cinch	625 mV/5 kOhms (25 W/4Ohms)
Sensitivity balanced XLR	625 mV/5 kOhms (25 W/4Ohms)
Power output in 8 Ohms	150 Watts
Power output in 4 Ohms	300 Watts
Power output in 2 Ohms	450 Watts
THD 25 W/4 Ohms	< 0,02 % to 0,5 % (adjustable for tube-sound)
S/N ratio 25 W/4 Ohms	> 104 dB (A)
Frequency response	< 5 Hz > 200 kHz
Rise time into 4 Ohms	< 2 µs
Damping factor	> 500 (1 kHz)

Technical data Evolution P2

Sensitivity MM	1,5 mV	Frequency response	30 Hz – 20 kHz +/- 0,3 dB (RIAA curve)
Input impedance MM	47 kOhms/47 pF	Power supply	230V/50 Hz/3VA (AC adpoter)
S/N ratio MM	79 dB/85 dB(A)	Dimensions	145 x 48 x 70 mm
Sensitivity MC	180 µV	Weight	0,3 kgs
Input impedance MC	1 kOhm/1 nF		
S/N ratio MC	74 dB/80 dB(A)		

The AVM Philosophy

For more than 20 years people at AVM are developing and manufacturing electronic equipment for highest-quality music reproduction. We believe that any kind of music – regardless if classical, jazz or pop music – has been composed to bring joy and emotions to the listener. Technical equipment such as amplifiers and loudspeakers must try to transport these joy and emotions into the living room. That means simply reproduce the information stored on tape, disc, hard disc or broadcasted by radio stations.

This is in fact not as simple as it sounds. We are aware that every electronic and mechanical equipment leaves it's individual "fingerprint" on the reproduced music signal. When engineering hi-fi components we try to keep these "fingerprints" as inaudible as possible – and the inevitable rest as musical as possible.

Before starting the design of electronic circuits or constructing mechanical parts we always question: What is the work to be done by this certain component and how can we consequently realize this in an optimal way. We strongly believe that the method of try and error seldom leads to good sounding hi-fi equipment. Therefore we do not develop unnecessarily complicated circuits which need a lot of compensating components in order to function correctly. We

prefer a straight circuit design where every component has it's own clearly defined task and found that often the most simple circuit concept works the best. And: a part which is not there cannot influence the music and on the other hand: it doesn't produce costs and can never be defective.

Hi-fi components are not only technical things but primarily a part of our customer's home. So we always attach importance to a worthy and beautiful appearance. Besides that we try to make all our components easy to use and last but not least we make effort to offer best value for money to our customers.

In order to realize this philosophy we manufacture all AVM components in our own plant and have the whole know-how in house. For the few parts (such as pc-boards, front panels, transformers) that we cannot produce by ourselves we have reliable suppliers nearby, who are working with us for years. This ensures the constant high quality of our products and – if needed – a quick service to our customers.

If you have questions or need more information, do not hesitate to contact us. You will get in touch with people who share with you the enthusiasm for good music, who really know about the products and feel responsible for their customers.

AVM Next Generation Audio Technologies GmbH

Daimlerstrasse 8
76316 Malsch

Phone +49 7246 4285

Fax +49 7246 4289

Mail info@avm-audio.com

Web www.avm-audio.com

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