

# A V M

AUDIO VIDEO MANUFAKTUR



EVOLUTION SD 3.2, SD 5.2  
Streaming DAC SD 3.2 and  
SD 5.2 with Tube Line Stage

# EVOLUTION SD 3.2, SD 5.2

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## EVOLUTION SD Streaming DAC: A completely different animal

The new SD units herald a completely new category of AVM components with streaming capabilities. The brand new SD components combine a DAC with DSD, Streaming Client, web radio, analog PreAmp with 2 analog line inputs and a high performance headphone amp all into one unit. We call them Streaming DAC or short: SD.

In the SD 3.2 we focus on pure solid state technology in all amplifier stages. This technology is compiled into a cabinet size well known from our CD 3.2 or the SA 3.2 stereo power amplifier. As SD 5.2 we add the additional Evolution tube line stage as it is being known from the CD 5.2 or the PA 5.2. This proprietary AVM Tube technology in combination with new ways to access digital data stream is compiled in a housing size equal the size of the CD 5.2 or a pair of Mono Power Amplifiers MA 3.2 S.

Since both SD units may serve as full-blown PreAmps, combining them with our Power Amps SA 3.2 or MA 3.2 S is a logical consequence. Furthermore the SD 3.2 and SD 5.2 may as well be combined with active speakers. The two new SD Evolution Line components are close relatives and since there are many similarities especially in the daily operation and connectivity, we have chosen to combine both units into one product information. We will clearly mark which features differ or are reserved for the SD 5.2.

## EVOLUTION SD 3.2, SD 5.2 Streaming DAC in brief

- 2 unbalanced line inputs (i.e. for connection of an external Phono preamp or analog tuner)
- 1 Pre Out balanced, 1 Pre Out unbalanced
- 7 digital inputs (SD 5.2), 6 digital inputs (SD 3.2)
- 2x SPDIF opt.
- 2x SPDIF coax.
- 1 x synchronous USB input
- 1 x asynchronous USB input, 64DSD (2,8 MHz)
- 1 x AES/EBU (SD 5.2)
- Network: WLAN & LAN
- Streaming Formats: MP3 , WMA, AAC, OGG Vorbis, FLAC (192/32 via LAN), WAV (192/32 via LAN), AIFF (192/32 via LAN), ALAC (96/24 via LAN)
- Supported media server: UPnP 1.1, UPnP-AV and DLNA-compatible server, Microsoft Windows Media Connect Server (WMDRM 10), DLNA-compatible server: NAS
- Web radio: vTuner Internet Radio Service, Auto network config., Internet Radio Station database (automatic updates)
- Digital signal processing with up to 192 kHz / 24 Bit, 64DSD (2,8 MHz)
- Upsampling frequency for all incoming digital signals may be switched between:  
Native, 44,1, 48, 88, 96, 176, 192 kHz

# EVOLUTION SD 3.2, SD 5.2

Streaming DAC SD 3.2 and SD 5.2 with Tube Line Stage



- Switchable digital filters
- Class-A Headphone Amp with 6,3 mm banana plug
- Tone control and parametric loudness with Bypass-function
- Large, blue graphic display
- A large variety of menu function for individual presets (i.e. adjustable input sensitivity, renaming inputs and many more)
- Housing options: Aluminum silver or black, chrome front optional
- RC 9 with color display and charger are included

The SD 5.2 features the additional Evolution Tube Line Stage with two additional power supplies. These additional power supplies supply the tube heating. As tubes AVM uses the custom made AVM 83 T:

- Tube Line Stage with AVM 83 T used in balanced mode
- High voltage generator independent from the AC mains supplying the tube heating

With the new SD units so called computer audio comes to the Evolution Line. A completely new combination of streaming client, DAC with DSD, analog preamplifier and headphone amp creates a new category of digital sound center for listens with a focus on digitally streamed music from different sources. In the SD 5.2 the Evolution Line tube line stages are added on top, creating a digital music center with charming tube sound.

2 DACs per channel are being applied. This way even the digital domain the music signals are being processed in balanced mode. The streaming engine allows countless formats to be processed and is upgradeable making it future proof for additional formats. Sonically the SD 5.2 sparks the charming sound of the tube line stages. These amplifier stages are directly derived from the PA 8 of the Ovation series enchanting with their emotional music reproduction. In the SD 5.2 tube stages the proprietary AVM 83 T tubes are being applied. The SD 3.2 derives it's sonic diversity by using solid state amplification in all stages.

Like all AVM hi-fi components, both the SD 3.2 and SD 5.2 are carefully developed and assembled by our engineers in Malsch, Germany. Our vendors for housing and electronic parts reside all near-by. This proximity helps us to easily ensure and maintain superb quality level of the supplied parts for the AVM hi-fi components made of these. During the manufacturing process we perform repeatedly numerous tests to insure the absolute quality of our products. When the assembling is finished and the first inspection is done all units must pass a run in test in order to prove their reliability. After that a careful final inspection follows before packing & shipping. All this ensures creating a perfect product from AVM for our customers.

The beautiful RC 9 remote control with color display is always included. This programmable and rechargeable remote control always comes with a charging dock.



# EVOLUTION SD 3.2, SD 5.2

Streaming DAC SD 3.2 and SD 5.2 with Tube Line Stage



## Technical Data EVOLUTION SD 5.2

### PreAmp

Input sensitivity	20 mV –350 mV ( adjustable)
Input impedance (line)	10 kOhm
Frequency range line	< 5 Hz - > 80 kHz, 30 Hz - > 20 kHz
TIM	SD 5.2: 0,01% (mostly K2) SD 3.2: < 0,01%

### Digital input

Sampling frequency	upsampling switchable up to 192 kHz / 24 Bit
Frequency range	<20 Hz – 20 / 80 kHz (depending on input sampling frequency)

### Deemphasis

Input format Dig in opt/coax	SPDIF, 33 kHz – 96 / 192 kHz / 16 – 24 Bit
DSD (via USB)	64DSD (2,8 MHz)
Synchronous USB-Input	48 kHz / 16 Bit (no driver needed) 192 kHz / 24 Bit (driver needed)

### TIM (related to digital 0)

SD 5.2: 110 dB(A)
SD 3.2: 120 dB(A)

### Miscellaneous: SD 5.2

Power supply	230V/50Hz or 120V/60Hz
Power consumption max	25 W
Measurements (W x H x D)	430 x 130 x 370 mm
Weight	10 kg

### Miscellaneous: SD 3.2

Power supply	230V/50Hz or 120V/60Hz
Power consumption max	18 W
Measurements (B x H x T)	430 x 100 x 325 mm
Weight	8 kg

