

# OVATION PA8

## Modular Preamplifier

### with optional tube output stages

**AVM**  
AUDIO VIDEO MANUFAKTUR



## OVATION LINE

Out of the Tradition the most costly and lavish components from AVM may be found in the Ovation Line. There is only one focus when designing an Ovation Line unit: Perfect sound. Just like musicians would have loved to hear it back from their original. To achieve this task is an enormously difficult endeavor requires a lot of musical expertise. AVM is at home in this since 1986. Our ingenuity is our tool to convey the musicality into the components that you will use at home for you music reproduction and enjoyment. For this we have also been awarded with many reference titles, worldwide.

The MA8 and SA8 have already proven this and rank among the best power amps in the world since quite some time. This made the defining the requirements for the matching Preamp easy but challenging at the same time: It should just be perfect. Easily said but not enough. Even in times of the dawn of the 'Computer Hifi' the idea is to create a preamp that will grow with the faster than ever changing needs for a long time. So we chose a fully modular design, enabling us to add more new inputs what ever we will see as changes in the Hifi world. The appearance of the PA8 is carefully matched with the MA8. As playback systems simultaneously we are introducing the ML8, our music library that is a high end server and streaming device at a time.

## OVATION PA8 in brief

To make a brief description of the PA8 is a challenge in the light of its enormous versatility. For your personal configuration we suggest to contact a local dealer, as there are many possible ways to customize your unit.

PA8 is a modular preamp in the massive 8mm thick aluminum housing with slots for 8 inputs and two output modules of your choice (where one input XLR, one input cinch and the third output with XLR and cinch out are always firmly built-in).

### Available input modules:

- Stereo line input RCA-Cinch
- Stereo line input XLR (balanced)
- Phono input MM/MC, gain and input impedance adjustable
- Tuner module FM with RDS
- D/A-Converter with USB up to 192/24, switchable filters
- D/A-Converter with SPDIF Coax and optical, AES EBU upsampling up to 192/24, switchable filters

### Available output modules:

- Tube output RCA-Cinch (unbalanced)
- Tube output XLR (balanced)

### Additional features:

- Wideband power supply 80 - 260 Volt AC built-in
- Minimized stand-by power consumption
- Phase indicator
- Blue graphic display, dimmable
- RC3 included
- Wide array of menu functions (i.e. adjustable input sensitivity, individual input naming etc.)
- Available finishes: Aluminum silver or black, Chrome front optional

## Uncompromised musicality: OVATION PA8

The PA8 is designed as the uncompromised center of the music system and built for music reproduction on the highest level. To achieve this, we have created complex and lavish circuit designs. To bring these concepts to the maximum performance, we only apply the best available parts and components that we select and fine-tune them further before the assembly in house. All this serves only one task: Making the music enjoyment an emotional pleasure for music lovers with highest demands.

Based on its modular concept the PA8 serves this in an ideal fashion. Music lovers of all schools, Vinyl lovers, tube fans, digital fans all find the PA8 as an ideal playing partner that may configured from the beginning on. And when the demands change or expectations rise, the PA8 will grow with it.

The PA8 features a vast array of possible adjustments and may be operated intuitively and easy. All functions for the daily use are easily accessible. On/Off, volume up/down and a little more. Special function or one-time-set-uos are accessible via several expert menus. Last but not least the beautiful RC3 is always included.

### Uncompromised sound

When designing the PA8 it's sonic qualities were the only top priority. The well thought out circuit topology serves as a base for fine-tuning the sonic capabilities of all components in the PA8. Stretching from the power supply to the single components of all modules, we have carefully tested and selected every part for it's sonic perfection. And we were only happy when everything harmonized perfectly with the complete unit. Our ideal of a warm, energetic and detailed sound are achieved with the PA8

### Uncompromised design

In the PA8 we have implemented non-compromise circuit designs that are the result of over two and a half decades of R&D at AVM. Countless prototypes were necessary to prove the sonic potentials of these circuit designs and to optimize it further applying the most modern components. We just wanted to go to the very top where the MA8 and SA8 are already established.

The PA8 is of a completely modular design and has an internal bus system: In and outputs maybe configured to your personal liking and necessities.

Smallest details require enormous attention when it comes to reaching optimal results. In order to achieve this only golden conductor leads are applied on the PCBs. All signal paths are optimized for minimum lengths. The arrangement of components on the circuit boards is one of the most critical jobs during the designing process and may only be optimized when all experience is put into place. All connectors between the modules are also gold plated. Audio signals and command signal are carefully separated and radically shielded against each other. Also striking is the idea to send audio signals across the PA8 with full gain level and fully balanced. The volume control only takes place on the output boards-right in front of the output driver stages. This unique concept enables the PA to operate under controlled conditions and supports suppression of distortions. This intelligent concept helps the PA to its outstanding sonic performance.

The applied wideband power supply delivers stable currents to all stages individually and by nature without stray fields, eliminating influences to other parts of the PA8. This switching power supply is totally immune against voltage fluctuations and DC offsets in the AC mains. On top of that it creates absolutely no stray fields which makes the Phono stages dead quiet. And it enables to shorten signal paths as there are no detours necessary around the power supply. All these design are put into reality by using super precise components. That may only be operated safely in such an environment.

Not only vinyl fans will find this sonic result as important feature. The phono stages once equipped in the PA8 are strikingly quiet as are all the other stages put on even at the lowest levels.

Needless to mention that only the best materials are being used for the massive housing in order to protect the sensitive circuitry in the PA8. The front panel alone is 15mm thick. This rock solid construction bears all PCBs safely and sturdy.

### **Uncompromised Quality**

Like all AVM hi-fi components the A5.2 is 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.

## **Technical Data OVATION PA8**

### **Amplifier**

Input sensitivity (output voltage 1V)	20 mV – 350 mV (adjustable)
Input sensitivity line Cinch	6,8 k $\Omega$
SNR line, MM, MC (Phono optional)	104 dB(A), 85 dB(A), 75 dB(A)
Frequency range line/Phono (Option)	0 Hz - > 200 kHz, 30 Hz - > 20 kHz

### **Tuner, FM (Option)**

Frequency range	87,5 MHz – 108,0 MHz
Trim steps	50 kHz
Sensitivity mono/stereo	1,5 $\mu$ V/50 $\mu$ V
SNR mono/stereo	76 dB (A)/70 dB(A)
TIM mono/stereo	0,1%/0,3%

### **DAC (Option)**

Sampling frequency	upsampling up to 192 kHz/24 Bit
Frequency range	<20 Hz – 20/80 kHz (depending on sampling frequency)
De-emphasis	yes, automatic
Input format Dig in opt/coax	SPDIF, 33 kHz – 96/192 kHz/16 – 24 Bit
USB-input	16 Bit/48 kHz, 24 Bit/192 kHz
SNR (rel. to dig. zero)	120 dB(A)

### Phono module (Option)

Input sensitivity	50 $\mu$ V – 10 mV (adjustable)
Input impedance MM	47 k $\Omega$ // 100 - 450 pF (adjustable)
Input impedance MC	75 Ohm - 1 k $\Omega$ (adjustable)
SNR MM (5mV/1kHz)	85 dB(A)
SNR MC (0,5 mV/1 kHz)	75 dB(A)
Frequency range	<30 Hz - >50 kHz
Phono RIAA	gem. RIAA $\pm$ 0,3 dB

### Miscellaneous

Power supply	80-260V/50-60 Hz
Maximum Power consumption	45 W
Standby	<1 W
Dimensions (W x H x D)	430 x 100 x 325 mm
Weight	14 kg

