



DANIEL HERTZ

M6  
1 MEGOHMS PREAMPLIFIER

OWNER'S MANUAL

DANIEL HERTZ SA  
Switzerland



DANIEL HERTZ S. A.  
SWITZERLAND

MODEL 6  
1MQ PREAMPLIFIER

OUTPUT VOLUME

PLEASE READ THIS MANUAL CAREFULLY BEFORE USING  
YOUR DANIEL HERTZ M6 PREAMPLIFIER.

THE DANIEL HERTZ TEAM

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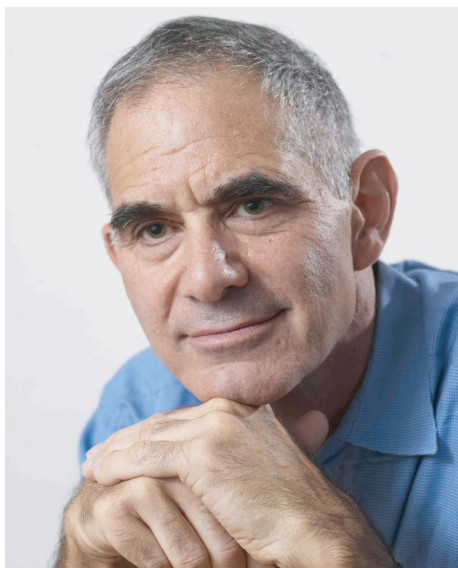
# Welcome

Welcome to the world of Daniel Hertz SA of Switzerland. Daniel Hertz is dedicated to reproducing music with unprecedented faithfulness and emotional impact. The philosophy of Daniel Hertz is quality, simplicity, and putting the customer first.

You have joined a family of people who have searched for the ultimate audio equipment to enhance their love of music.

I founded Daniel Hertz SA to introduce new concepts and designs to both the residential and professional audio world. Now, for the first time, both music lovers at home and recording professionals in the studio can use the same equipment to reproduce their music without compromise.

The Daniel Hertz M6 is my personal vision of the ideal no compromise preamplifier. The Daniel Hertz team of engineers and craftspeople designed and built your



M6 to standards of quality rarely found in the audio world. You have acquired a valuable product that will serve you well for decades to come. Please read this manual carefully to get the full benefit from your investment.

The Daniel Hertz team and I thank you for your faith and trust in our work. Should

you have any questions or need assistance at any time, please do not hesitate to contact your Daniel Hertz store or distributor, or you may email the factory at [info@daniel-hertz.com](mailto:info@daniel-hertz.com). It is our pleasure to assist you at any time now and in the future. Your purchase of the Daniel Hertz M6 1 MegOhms Preamplifier is just the beginning of a long relationship. We are at your service.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mark Levinson'.

Mark Levinson  
Director  
Daniel Hertz SA

## Overview

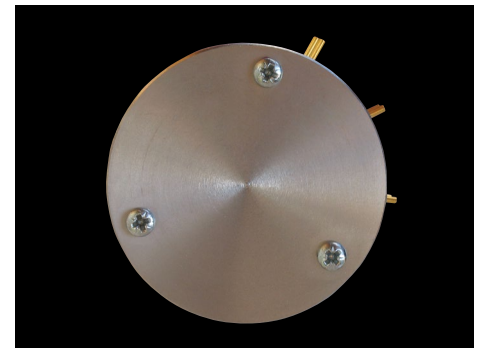
Every part of an audio system plays a role in the final result. The preamplifier in a separate component system is the link between the program source and the power amplifiers that drive the loudspeakers. Any col-



oration in the preamplifier will limit the performance of the rest of the system, and influence the listening experience.

Mark Levinson began his career in audio with the development of audio preamplifiers that redefined excellence in music reproduction. The M6 1 MegOhms Preamplifier is a new vision in minimalist design and engineering.

Daniel Hertz uses live recording and playback as an engineering tool to evaluate the accuracy and faithfulness of audio components, following Mark's vision of audio product development. Another tool for preamplifier design is the insertion test, which compares the sound direct versus through the preamplifier under test. Ideally, when the preamplifier under test is inserted at 0dB of gain difference,  $\pm 0.1\text{dB}$ , there is no audible change. The M6 passes this test with flying colors. The absence of audible noise further enhances the listening experience.



# Daniel Hertz M6 1 MegOhms Preamplifier

The M6 is designed for decades of trouble-free use. Please care for it as you would a rare musical instrument. In addition to a new level of performance, the Daniel Hertz M6 offers extreme ease of use and harmony to the eye. It is a hand made work of art that is practical for daily use.

The Daniel Hertz M6 1 MegOhms Preamplifier has one input selector, one volume control, one power on/off switch and one gain switch, normal and +12dB. The rear panel has the following connectors:

1. RCA input connectors for three analog stereo inputs.
2. USB (PC link) digital audio input.
3. RCA main outputs, one pair
4. RCA record outputs, one pair.
5. RCA mono outputs for subwoofer and center channel connections.
6. AC power connection.

## Special Features

~ The M6 employs 1 MegOhms buffer technology to remove loading from all source units to obtain the most distortion-free performance. Daniel Hertz exclusive 1 MegOhms technology makes a dramatic sonic improvement with normal audio source units of all kinds.

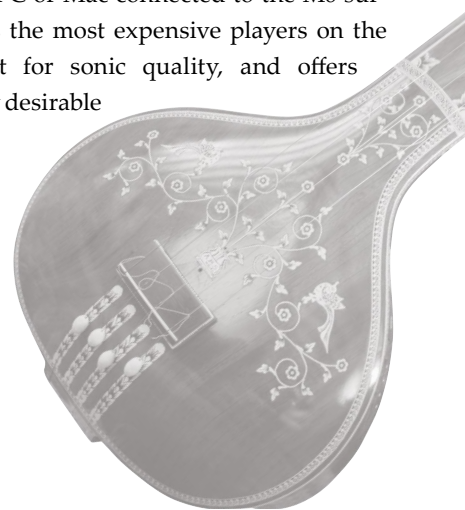
~ Most preamplifiers generate noise which might not be audible with normal speakers, but is clearly audible with high efficiency speakers such as the Daniel Hertz speakers. The M6 has absolutely no audible noise when used with an ultra-low noise power amplifier like the Daniel Hertz M6.

~ The M6 uses new discrete Class A circuitry for the stereo signal path that provides extreme sonic purity.

~ The M6 uses the most advanced vol-

ume control in the world. The volume control can affect the sonic quality as much or more than electronic circuitry. The Daniel Hertz volume control uses a unique resistive substrate, precious metal contact construction and machined metal parts to provide the most impressive specifications, sonic transparency, and the best “feel” of any volume control. The most subtle gain adjustments up to the largest are made with perfect tracking and no diode distortion effect from the wiper materials.

~ A PC or Mac connected to the M6 surpasses the most expensive players on the market for sonic quality, and offers highly desirable



options and flexibility. Systems that use a PC or Mac as a source can be controlled by the monitor and a wireless mouse, with the computer driving the direct USB input of the M6. Analog purists will enjoy having the M6 transparency with manual operation for vinyl playback with an external phono stage.

~ The M6 has selectable gain of normal and +12dB to quickly change from soft listening to louder levels, adapt to different types of recordings, and systems with different sensitivity.

~ The M6 uses an ultra low noise power supply to ensure no degradation of the audio signal path.

~ Clear anodized aluminum and stainless steel screws are used throughout for long life and resistance to aging.

~ A mono center channel output and mono subwoofer output are provided for systems that require mono (left plus right)

summed signals. This feature is useful in making surround sound systems with no processor, and for music systems with a L+R center channel.

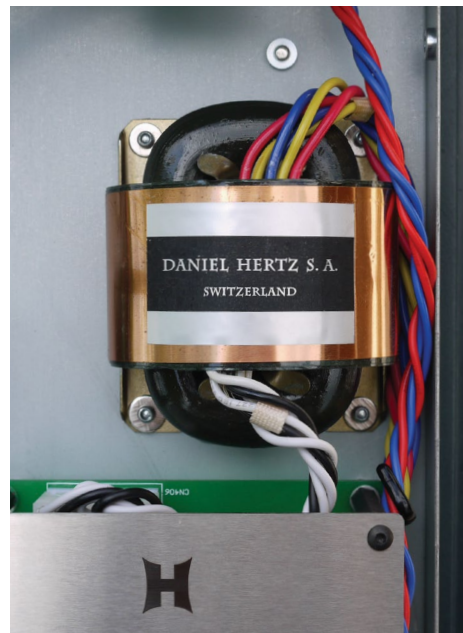
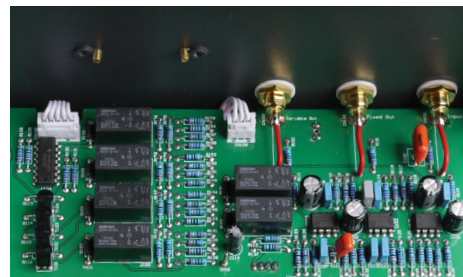
~ Gold plated RCA input and output connectors do not corrode over time.

## Positioning the M6

The M6 can be placed near the listening position, in a remote location, or in a cabinet. Many users find the appearance of the M6 appealing to the eye, and place it close to the listening position. This allows easy control of the volume with the purest possible sound.

## Surround sound

Daniel Hertz M6 can be used to drive multiple Daniel Hertz speakers for surround sound without a processor, using the Daniel Hertz matrix approach. Details provided separately.



## Operating Notes

Keep the volume control of the preamplifier at OFF when not in use.

Raise the volume to the desired level. The M6 has very wide dynamic range and can produce high output voltage. It is better to raise the volume than to lower it!

People often play the M6 at subjectively lower volume levels than other preamplifiers. This is due to the high level of detail and resolution, and the ability of the M6 to

faithfully reproduce music at very low levels. You don't have to push the system to bring the music to life.

Don't be surprised if you start listening and then turn down the volume. Listening with the M6 is different from other preamplifiers.

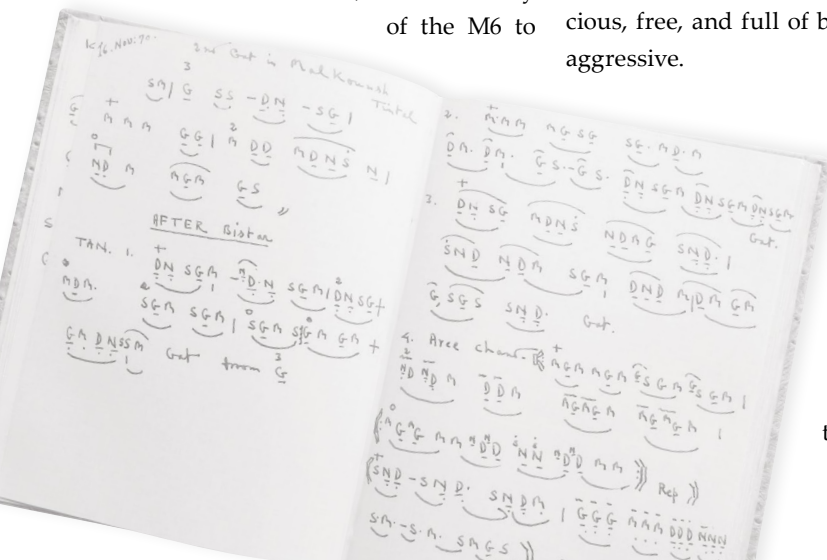
If you continue to turn up the volume slowly, a little at a time, you will discover that the M6 responds differently than other preamplifiers. The sound is always spacious, free, and full of body, clear but not aggressive.

by Usher sounds incredible at very loud levels. A solo piano recording by Artur Schnabel will sound terrible played at such a level. Find the appropriate level for the music you want to hear. Keep in mind that the M6 will do things that other preamplifiers cannot do – not even close.

After listening at high volume levels, remember to turn down the volume control of your M6 preamplifier.

The M6 is friendly to a much wider variety of recordings than most preamplifiers. Vintage recordings can come to life. With high efficiency speakers like the Daniel Hertz M1, M2, M3, and M7, pop tracks can be reproduced at studio levels with no stress or fatigue. You hear all the details in DVD and Blu-ray sound tracks. Compressed music files can sound remarkably good. People are often surprised by how much more enjoyable it is to listen to many kinds of recordings.

For playing at loud volume levels, choose music that is intended to be played like that. For example, a pop track like “Burn”







DANIEL HERTZ S. A.  
SWITZERLAND

MODEL 6  
1MΩ PREAMPLIFIER



OUTPUT VOLUME

12 dB  
6 dB  
GAIN



INPUT SELECTOR

ON



INPUT ATT  
(dB)

BYPASS  
HFF — LFF  
FUNCTION

DANIEL HERTZ S. A.

## Care and maintenance

Connect the M6 to the voltage it was set for at the factory. Connecting the M6 to a different voltage will void the warranty.

The Daniel Hertz M6 requires no maintenance. If the chassis or front plate surface needs to be cleaned, use a glass cleaner such as Windex.

Turn off the M6 before cleaning. Do not get liquid inside the M6. If liquid gets inside the M6, the warranty is void.

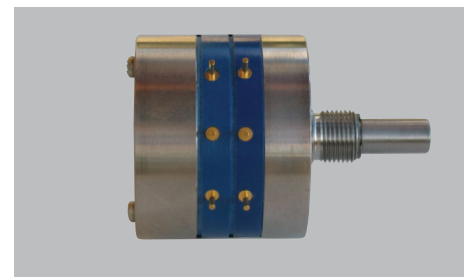
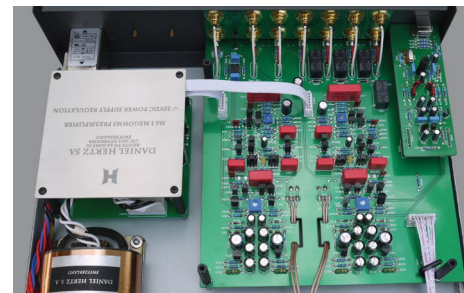
Keep the M6 out of reach of children. Do not allow children touch the controls or the cables connected to the M6.

If you physically move the M6, please take care not to scratch the clear anodized finish.

## Technical support

If you have questions or problems, contact your Daniel Hertz specialist immediately. Please do not under any circumstances attempt to disassemble the M6. If your Daniel Hertz specialist is not available and your need is urgent, feel free to contact Daniel Hertz directly at [info@danielhertz.com](mailto:info@danielhertz.com). Email is usually answered within hours. If you supply a phone number, we will call you anywhere in the world. We use Skype as well. It is best to give us a description of the problem or issue you have so that we can prepare to assist you in the best way.

If an M6 is damaged, it must be serviced according to company policy by a trained technician. Any attempt at service by an unauthorized technician will void the warranty.





## Summary

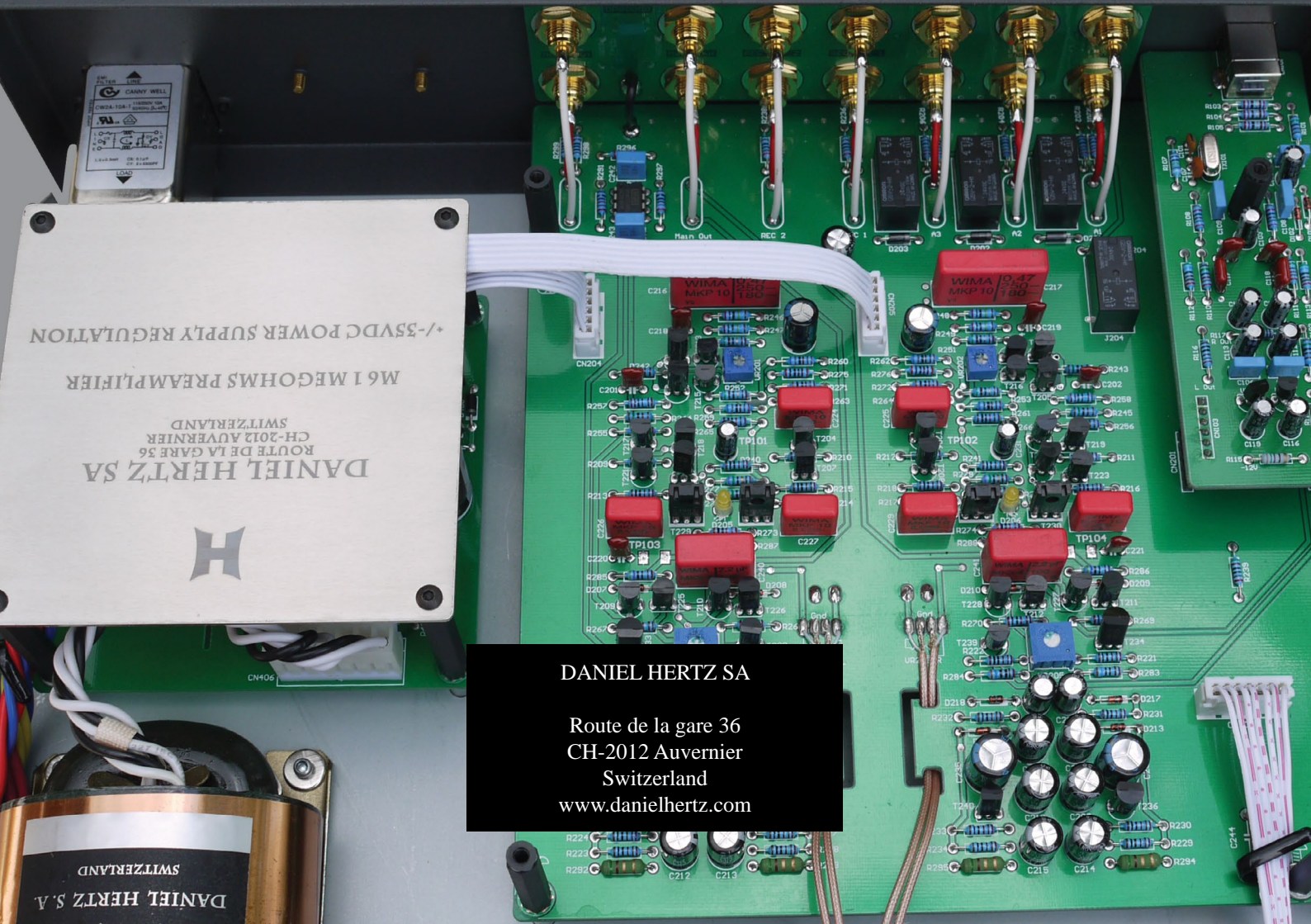
The Daniel Hertz M6 is a state of the art preamplifier designed for decades of trouble free performance. It offers special features, the most natural sound, and no audible noise. Operation is easy and user-friendly. Enjoy the music, and the pleasure of owning the very best. It is a joy that does not diminish over time.

## Technical specifications

Output voltage .....	10V RMS
Frequency response .....	10Hz to 25kHz +/- 0.5dB
THD .....	less than 0.05%
Power consumption (max) ..	100W
Inputs .....	3 x stereo RCA plus USB (pc link)
Outputs .....	main stereo RCA, Mono center channel
Dimensions	
Length .....	36cm (overall including connectors and front panel controls)
Width .....	33cm
Height .....	10cm
Weight .....	4kg







\*-35VDC POWER SUPPLY REGULATION

M6 I MEGOHMS PREAMPLIFIER

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