

Module Tinnicur – Tinnitus Testing and Auditory Training

The AUDIO4LAB Module Tinnicur can be leased, rented or financed -
please contact us for further information

AUDIO4LAB Tinnicur Profi Set

Content:

Tinnicur® (professional version) incl. power supply unit, manual
Stereo Headphones MT-70-X (open system) two pieces
USB stick with classical music for training purposes

Art.-ID: 9186-Set-GB

AUDIO4LAB Tinnicur Client Set

Content:

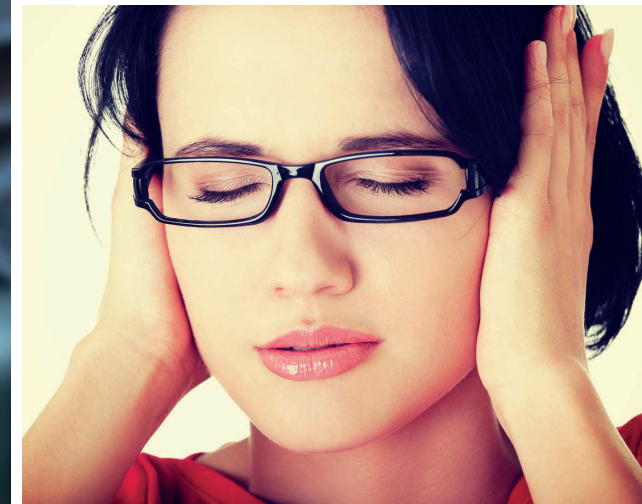
Tinnicur® (client version) incl. power supply unit, manual
Stereo Headphones MT-70-X (open system)
USB stick with classical music: Relax with the Classics

Art.-ID: 9187-Set-GB

Required

AUDIO4LAB service contract

- find further information at
www.AUDIO4LAB.meditech.de



AUDIO 4 LAB – Module Tinnicur

Tinnitus-Treatment with System

Please contact us for more information

MediTECH Electronic GmbH

Langer Acker 7

D-30900 Wedemark

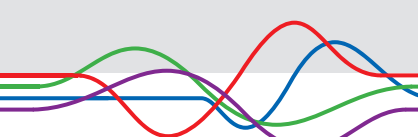
Tel.: +49 (0) 5130 97778-0

Fax: +49 (0) 5130 97778-22

Email: service@meditech.de

Internet: www.meditech.de

S206-GB – A4L-Modul Tinnicur – V1



What's the secret behind the Tinnicur® System?

Close to eight million individuals in Germany alone suffer from tinnitus. Only about six to eight percent of those who are acutely affected are able to successfully eliminate the disruptive ear noise through traditional treatment. In the remaining cases those suffering from tinnitus become *therapy resistant* at some point; they are now supposed to learn to *live with the noises produced by tinnitus*.

Tinnicur® System offers high quality analytical possibilities as well as helpful options for the clients.

From Test to Training

Step 1:

In the first step, a trainer works with the client to identify the exact parameters of the noises they perceive and to reproduce them audibly – with the Tinnicur profi version. In doing so, the tinnitus patient is often able to make clear for the first time what has afflicted them the entire time to those close to him or her (family, husband/wife). Often this is truly relieving for the client and a truly educating experience for the corresponding family and friends.

Step 2:

The second step builds on this exact reproduction of the ringing in the ears with individual training.

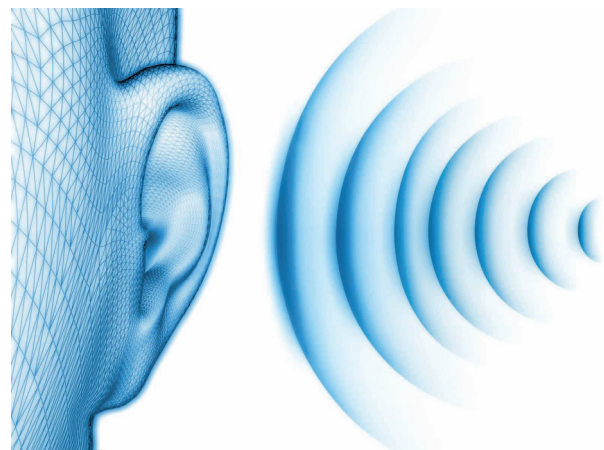
- The values for
- loudness
 - frequency
 - laterality
 - bandwidth

which are being determined using the professional version will be programmed into the client unit simply by entering the codes provided by the professional unit.

Correspondingly, the unit can be used for home training truly individually based on the client's tinnitus signal.

In training the client will experience a unique form of auditory neuro-modulation, day by day. He primarily listens to classical music which from time to time will be strongly modulated and enhanced based on the client's actual tinnitus signal.

Through the help of this special treatment with music, the tinnitus sufferer learns to ignore the disruptive noises or finds them increasingly less burdensome. Auditory neuro-modulation can have very positive effects on the tinnitus signal. In many cases a shift in the tinnitus to a more pleasant frequency range is reported, one in which the sound can hardly be noticed.



How does the training work – and when does it take place?

The client can listen to the music with the personalized tinnitus sounds anytime at home.

While reading, working on the computer or when relaxing or going to sleep – at any of these occasions the training can be implemented and have positive effects.

As this Tinnicur training is designed to be a long-term treatment, it should be carried out for at least three to six months in order to achieve lasting success.

It is highly recommended to continuously apply and use the Tinnicur® therapy.



Produce Summary

This is what your new Tinnicur® system offers to you and your clients:

- ✦ Analysis of the actual tinnitus signal
- ✦ Individual training solutions for each client
- ✦ Training solution to fit into the client's schedule
- ✦ Auditory neuro-stimulation
- ✦ Tinnitus therapy without side effects
- ✦ Monitoring changes in the tinnitus signal throughout the treatment phase
- ✦ Module within the multi-functional platform AUDIO4LAB
- ✦ Integrated client administration across all AUDIO4LAB modules
- ✦ Swift and easy training setups using client individual numeric codes provided by the professional Tinnicur® system
- ✦ Training likewise possible as a service in the professional health practice



Technical Issues

- ✦ Data storage in the device
- ✦ Size (cm): 29 x 10 x 21,5 (w-h-d)
- ✦ Weight: 1,25 kg
- ✦ Menu control via display

Tinnitus – A longing for lost sound?

New prospects for those with tinnitus

After an ear operation that restored a proper part of her ability to hear, Rosemarie K. noticed a new and rather unpleasant phenomenon: whenever she was under particular stress or experienced relaxing situations (for example before going to bed), a shrill roaring, or whistling, sound would set in. The sounds continued to exist when Rosemarie K. covered her ears as well.

Visits to several specialists led to a series of medical treatments including the administration of infusions, medication to improve circulation, and hyperbaric oxygen therapy. Acupuncture also didn't provide the hoped for relief from the ongoing and disruptive sounds. After a number of months Rosemarie's specialist declared that she was "therapy resistant" and that from now on she had to make an effort to "simply learn to live with the noise."

According to the Green Cross close to eight million people in Germany – to different degrees of affliction – have the same story as Rosemarie K. The unwelcome noise from tinnitus develops into a stress factor that can lead to the inability to work and make life unbearable for those affected.

A particularly advanced specialist from her area told Rosemarie K. about an innovative form of treatment for tinnitus that – under repeated medical supervision – individuals can carry out to a large extent by themselves.

First, Rosemarie K. had the noises caused by tinnitus recreated at a specialist's medical office with the help of a special diagnostic device (Tinnicur 4000). With medical assistance she adjusted the signal type and volume until the audible tone of the noise in her ears had been replicated. Rosemarie K. then received a training device programmed with this data to bring home. She used the device daily to listen to mainly classical music that had been filtered and transformed based on the sound data that had been determined beforehand to correspond to the noise in her ears.

A phenomenon that physicians call "organ memory" is the foundation of this form of treatment: with every decade of life a person's ability to hear diminishes due to age from the upper limit of human hearing by approximately 2,000 hertz. This means that a healthy fifty-year-old, under typical development, can still hear up to about 10,000 hertz. As this occurs, the audible and useful information from the ear's "hair cells" is missing at some frequencies. The hypothesis is that the central auditory processing now starts to "make up" the respective signals in order to recreate the missing information as ringing, roaring, or hissing. This phenomenon could be compared with what is referred to as phantom pain after the amputation of a limb. It could be said then that this development is a "longing for lost sounds."