

The Neuromonics Tinnitus Treatment





ABOUT THE NEUROMONICS TINNITUS TREATMENT

What is the Neuromonics Tinnitus Treatment?

The Neuromonics Tinnitus Treatment is a global breakthrough in treating tinnitus. This treatment is FDA-cleared, patented and clinically-tested. It is clinically administered and monitored with an audiologist and/or physician. The Neuromonics Tinnitus Treatment is comprehensive, non-invasive and effective, offering proven and significant long-term reduction of tinnitus disturbance.

The Neuromonics Tinnitus Treatment is designed specifically to target the neurological, audiological and psychological basis of tinnitus. The Neuromonics Treatment regimen is customized to each patient's unique hearing and tinnitus profile. This treatment has been developed and tested for over 14 years with over 1,000 patients treated worldwide.

The Neuromonics Tinnitus Treatment is delivered via a compact, lightweight and uniquely-designed medical device. In addition to delivering important auditory stimulation at higher frequencies, the Neuromonics device also contains an internal data and memory component to optimize patient outcomes.

How does the Neuromonics Tinnitus Treatment work?

The treatment program is designed to interact, interrupt and desensitize tinnitus disturbance for long-term benefit. The Neuromonics Tinnitus Treatment introduces and delivers a spectrally-modified neural stimulus. The stimulus is embedded and delivered at specific intervals coordinated with precisely-designed music. The music positively engages the brain's limbic system, the part of the brain associated with emotional response, allowing for effective

delivery of the stimulus and treatment.

Utilizing neuroplasticity, the Neuromonics Tinnitus Treatment, stimulates the auditory pathway to enable new neural connections that allow the brain to help filter out the tinnitus sound, thus reducing the disturbance and impact of tinnitus.

Treatment Overview

The Neuromonics Tinnitus Treatment typically takes place over a six month treatment period, with many reporting some relief immediately. Daily treatment, for 2 or more hours/day, is recommended when the tinnitus is most disturbing. The treatment takes place during regular daily activities for example; reading, relaxing, computer work or going to sleep. During the treatment process, regular follow-up visits are scheduled with the physician or audiologist.

Treatment steps:

1. Assessment
2. Fitting of customized device
3. Stage 1 treatment (~2 months)
4. Stage 2 treatment (~4 months)

Technical Specifications:

Frequency range	100Hz – 12.5KHz
Minimum output	Customized
Maximum output	110dB SPL
Medical device	Class II
Medical equipment EMC and safety standards	IEC 60601-1 IEC 60601-1-2
Power consumption (charger)	
Input:	100-240V
Output:	6.0V
Battery type	Lithium Ion
Battery life (fully charged)	30 hours
Device reporting	Patient data logs
Data exchange method	IR port
Size (LxWxH)	4.06in x 2.32in x .71in
Weight	2.82 oz
Temp. usage requirements	32°F to 104°F
Temp. storage requirements	-4°F to 122°F

Clinical Outcomes: At 6 months of treatment*	Percentage of study participants
40% + reduction in tinnitus disturbance**	95%
40% + reduction in tinnitus awareness	84%
5dB + reduction in minimum masking level***	78%
5dB + improvement in loudness discomfort levels****	69%

Patient satisfaction:

Relief from tinnitus	97%
Improved ability to fall asleep	94%
A sense of control over tinnitus	94%
Improved ability to relax	94%



Clinical data from the 03/04 CTN trial in a series of three trials involving 200 subjects.

* Clinical measures reported by participants with significant levels of tinnitus disturbance prior to treatment.

** Measured by the Tinnitus Reaction Questionnaire

*** Participants with pretreatment minimum masking level of greater than 5dB

**** Participants with decreased sound tolerance

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