



Active Noise Cancelling Headphone

Model NC500TFC

This Active Noise Cancelling headphone sets the classroom standard when high stakes testing requires the quietest of individual settings. Califone understands the importance of blocking out external classroom noise has different implications than tuning out background sounds while on an airplane. This is why we've designed our NC500TFC to be used by itself to negate outside distractions, or when plugged into a computer or media player so students will be able to discern the subtle nuances in language learning for instance.

The ability to block background noise when coupled with this innovative technology, provides the utmost in sound quality and speech clarity, and makes the NC500TFC ideal for use with computers, learning centers, and personal audio players.

The secret behind the sound is a proprietary technology which alters the audio signal to make it easier to hear high frequency words or notes where clarity is often lost. The technology also increases the perception of loudness at the same time without actually increasing the volume. Previous technologies struggled to replicate the "live" experience because bass sounds masked the high tones. This made speech difficult to hear and made music sound muddled.



Benefits of the NC500TC

- Enhances sound quality
- Improves speech clarity
- Filters undesirable sound
- Reduces distortion
- Increases perceived loudness without increasing volume

Califone is proud to collaborate with the American Speech-Language-Hearing Association (ASHA) to promote the safe use of personal audio products in the classroom. ASHA recommends the use of these two guidelines to help students use audio technology responsibly:

- Lower the volume
- Limit listening time

Califone also recommends using headphones with ambient noise reducing earcups.



The sound enhancement is made possible by creating high frequency harmonics that are not masked by low frequency sounds; filtering undesirable noise and reducing distortion. In the process it also provides for clearer sound and improved speech clarity even at lower volumes. This will encourage students to reduce the level of playback with the in-line volume control to a safe listening level to preserve hearing.

The headphone is also the most comfortable in the award-winning line of classroom quality listening devices. Upgraded leatherette earpads and the light-weight ergonomic design help make the NC500TFC comfortable for extended periods of time.

According to a March 2006 national poll commissioned by the American Speech-Language-Hearing Association, 40% of students reportedly set their music players' volume above 85 decibels, which is the level hearing experts recommend not be exceeded. If music can be heard coming from a student's headphone, the volume is too loud and the student is at risk of experiencing hearing loss. Hearing loss can lead to many problems in school including: difficulty with academic achievement in language arts, vocabulary, arithmetic, and problem solving. Students with hearing loss score lower on achievement tests, and have greater needs for special education or extra support in the classroom.

Califone® International Inc. 800-722-0500 califone.com



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Model **NC500TFC**

1. Cushioned headstrap for comfort
 2. Adjustable headband fits students of all sizes
 3. Noise-reducing earcups gently surround the ears to offer maximum benefits for blocking external noises and allowing wearer to hear previously undetectable sounds. Lowered ambient noise reduces the need to raise the volume as high, as recommended by audiologists for hearing safety
 4. Our softest and most comfortable cushions
 5. Power LED indicates active noise cancellation, or headphone can be used with power off for passive noise cancellation only
 6. On / off switch
 7. The headphone folds flat inside its hardshell storage case while not in use
- Includes 5' straight cord for connecting to media players (not shown)
 - One year warranty for school use - unlike headphones purchased at a consumer electronics store whose warranty is voided if used in schools



“Project Intercept”

Please contact us immediately if you experience any questions or issues with your Active Noise Cancelling headphone. Our “Project Intercept” customer service program will quickly repair or replace items under warranty. Simply contact us via phone or email warranty@califone.com.

Visit our website at www.califone.com to learn more about the complete line of wired and wireless *Califone*® headphones and other audio products including: Portable and installed public address systems, group listening centers, MP3 and other multimedia players, computer peripheral products.

We are proud of helping teachers enhance student understanding and achievements since 1947, with your satisfaction as our first priority.

This headphone carries a one year warranty and service support available through authorized dealers.

Distributed by:

Specifications

Frequency Response	20Hz – 20kHz
Input Impedance	80 Ω (with noise-cancelling off) 20 Ω (with noise-cancelling on)
Sensitivity (Input: 1kHz @ 1mW)	105 dB (with noise-cancelling off) ; 114 dB (with noise-cancelling on)
Total Noise Reduction	~23 dB
Output Power	30mW
Earpads	Replaceable leatherette
Battery	2 AAA Alkaline batteries (included)
Battery Lifetime	~35 hours depending on usage
Cord	5' replaceable straight cord with in-line volume control & 3.5mm plugs (included)
Adapter	3.5mm to 1/4" audio adapter included
Storage Case	Hard case with internal storage pouch
Weight	Headphone, case & accessories 17 oz. Shipping weight 2 lbs.
Warranty	1 year for school, business, church and government uses
Complimentary Products	Hearing Safe™ headphone & Jackbox

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