



# Active Noise Canceling Headphone

# NC500TFC User Manual





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Thank you for choosing the Califone®  
**Active Noise Canceling Headphone.**

When high stakes testing requires the quietest of individual settings, Califone sets the standard with this headphone. Designed to provide the utmost in student comfort, sound quality, and speech clarity, its ability to block background noise when used with computers, learning centers and personal media players makes it second to none.

We encourage you to visit our website to register your headphone for its warranty coverage, and while there please sign up to receive our newsletter, and learn more about the complete line of Califone audio visual products including: Portable and installed wireless PA systems, multi-media players & recorders, headphones and headsets, computer peripheral equipment, visual presentation products and language learning materials.

**Register your Headphone  
for warranty coverage**  
<http://www.califone.com/registration.php>

## **Unpacking the Unit**

Inspect the unit once the packaging has been opened for any damage occurred during shipping & contact us immediately. Please keep the packing material for further use.

## **Warranty Registration**

Califone warrants the NC500TFC to be free from defective material and workmanship for two years from the purchase date. Our "Project Intercept" Customer Satisfaction program will replace defective parts and repair malfunctioning equipment under this warranty when the defect occurs under normal use.

## **All Damage Claims Must be made with the Freight Carrier**

Notify the freight carrier immediately if you observe any damage to the shipping carton or product. Repack the unit in the carton and await inspection by the carrier's claim agent. Notify your dealer of the pending freight claim.

## **Returning your unit for service or repairs**

Should your unit require service, contact our Customer Service Department online at [califone.com/techsupport](http://califone.com/techsupport) or via email [warranty@califone.com](mailto:warranty@califone.com) or by phone at 800-722-0500 / 818-407-2400 to **first obtain an RA number before returning it** back to Califone. The unit must be returned to our factory via prepaid transportation **only after the factory issues an RA** (Return Authorization) **number which must be clearly written on the outside of the box.**



## Contents

- NC500TFC Headphone
- Hard case with internal storage pouch
- 4' cord with in-line volume control & 3.5mm plugs
- 3.5mm to 1/4" audio adapter
- Two AAA Alkaline batteries
- User Manual

## School Applications for the Active Noise Canceling Headphones

The NC500TFC Active Noise Canceling Headphone can be used for creating the quietest of individual settings needed during high stakes testing when being able to hear content and blocking external noise is at a premium, or connected to an audio source for optimal sound quality.

- When connecting the NC500TFC to an audio source for use as a pair of headphones, plug one end of the cord into the headphone and other into the audio source (CD or MP3 player, computer or other multimedia player). When used this way, the integrated CAL AUDIO™ system automatically enhances harmonics in the audio signal to increase clarity and richness of the sound.

**Note:** The batteries do not need to be installed for the NC500TFC to be used as a regular headphone. It will simply not have the active noise cancellation functioning.

- To enable the active noise canceling system for additional reduction of ambient noise, the power must be switched on.
- The active noise canceling system can work simultaneously while using the headphone to listen to an audio source.
- Without power or a sound source, the headphone will act as a passive ambient noise-reducing headphone.

## Setup & Operation

To enable the active noise-canceling system on the NC500TFC, the batteries must be installed as follows:

- Batteries are located behind the battery compartment cover on the front of the left (L) earcup saying "open", with the down arrow.
- To install the batteries, remove the battery compartment cover by pressing down lightly with both thumbs on the battery compartment cover, and then, gently slide the removable lid in the direction of the arrow.
- Insert two (2) AAA batteries in accordance with the polarity symbol (+) or (-) marked in the battery compartment.
- Replace the battery compartment cover with the down arrow on the bottom of the ear cup. Simultaneously press down lightly and slide the battery cap upwards to lock in place.
- To enable the noise-canceling capability of the NC500TFC headphone, turn the power switch "(top of right-side earcup)", and change 'on' to "ON" to the on position. Note that the power indicator LED should light green.

### Notes

- The active noise-canceling system of the NC500TFC does not remove all ambient noise. It is only effective at reducing loudness of certain types of ambient sounds (typically in the bass frequencies). Also, some high frequency "white" noise may be added when the noise-canceling system is active.
- Although it varies by usage, battery life averages 35 hours. With the headphone's noise-canceling turned on, the LED indicator will dim when approximately 30 minutes of battery life remains.
- Rechargeable batteries can be used with the headphone; however, battery life may vary. In addition, the power indicator LED is not calibrated for rechargeable batteries, and therefore may not be a reliable indicator of battery output.
- The in-line volume control has no effect on the noise canceling system.

**visit us online at [califone.com](http://califone.com)**

## Adjusting the Headphone for Comfort

- Identify the left (L) and Right (R) designations located on each side of the headband. The headband adjusts for a comfortable fit by sliding the top and side of the headband apart as seen in the photo.
- Place one hand on the top of the headband and the other hand on the side of the headband and pull in opposite directions to adjust the size of the headband, and then, place them on your head.
- Now you can make minor adjustments to create a comfortable fit.

Note: Pulling down aggressively on the ear cups can damage the headphone. You may want to make several small adjustments to achieve a perfect fit. **Always wear the headphones so the cable is positioned on your left.**

## Travel & Storage

For protection during travel or storage, the headphone folds flat inside its hard shell protective carrying case.

To store the headphones, do the following:

1. Identify the left (L) and Right (R) designations located on each side of the headband.
2. Hold the headphones with two hands with the Left (L) ear cup in your left hand. You should be able to see the power indicator LED and the ON/OFF switch.
3. Gently turn the ear cups away from you and in opposite directions to place the headphone in its protective carrying case. If the ear cups do not turn, stop immediately. Forcing the ear cups may cause them to break.
4. Zip closed the carrying case to protect your headphone from damage.



## Troubleshooting

### No Sound

- Check the connection of the headphones and the AV equipment
- Check that the AV equipment is turned on
- Turn up the volume of the headphones or the connected AV equipment

### Noise Reduction Absent

- Check the headphones to make sure the power is turned on
- Replace the batteries

## Complementary Products

In addition to personal or small group sound fields in the classroom, teachers and administrators are also turning to the use of classroom-wide sound fields. Numerous studies verify the educational benefits of sound field amplification systems, including increased on-task behavior and student attention to oral instruction, improved comprehension among ELL students, and reduced vocal strain and fatigue for teachers.

As administrators strive to meet Common Core assessments goals, they must also address groups with diverse needs such as ELL, ESL and students with special needs. Teachers need to convey audio information to students in all of these groups in a clear, concise manner.

The Classroom Infrared Audio System can help teachers teach and how students learn. The system includes two array speakers for superior sound distribution (or an optional four speakers for larger rooms). Array speakers (commonly seen at concerts) focus a narrow band of sound directly at the students instead of bouncing it off the walls in a random and confusing fashion. This enhanced sound projection improves the critical signal-to-noise ratio, therefore improving the clarity and intelligibility of the amplified audio. "There is also a port to connect a secondary audio support system for students with special needs. Read more about this by visiting [http://www.califone.com/casestudies/pairsysbcs\\_frenchtown.php](http://www.califone.com/casestudies/pairsysbcs_frenchtown.php)



**visit us online at califone.com**

## Complementary Products

### Recommended Jackbox for listening centers

The first two-way jackbox for use with tablets and laptops so students can talk and listen.

Learn more at <http://www.califone.com/products/12xx.php>

1210T



3066AVT

Headsets for language learning with mobile devices and laptops.

Learn more at <http://www.califone.com/products/3066.php>



## Note about Safe Listening Practices

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. These two guidelines will help students use audio technology responsibly:

- Lower the volume
- Limit listening time

Califone also recommends using headphones with ambient noise reducing earcups.



**For more information,  
visit [listentoyourbuds.org](http://listentoyourbuds.org)**



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