

# **ANC-350**

## **Active Noise Canceling Headphones**

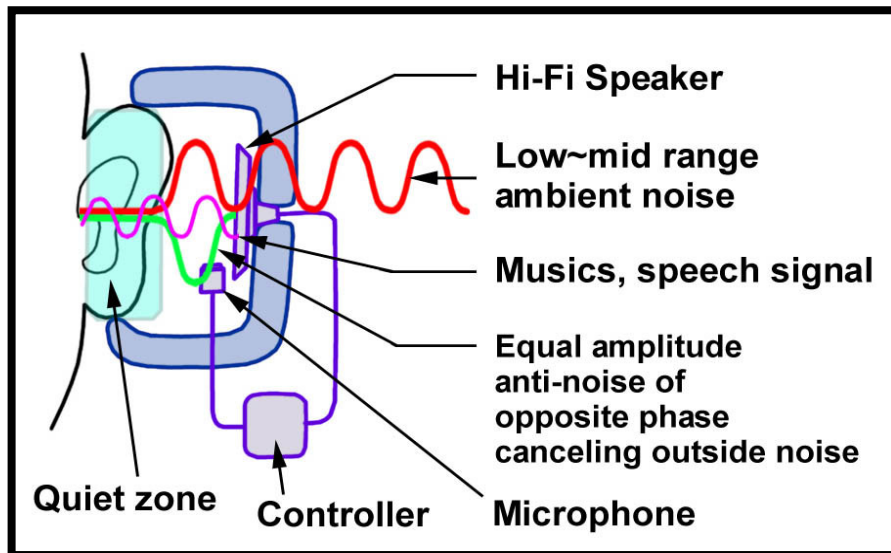


### **Product Description**

This product applies advance electronic technology to actively reduce ambience noise. Unlike conventional hearing protection measures which rely on passive sound deadening material (hence only effective against mid to high frequency range noise), this high tech device can counter low frequency noise also, and is light weight and compact. Its highly integrated design allows you to use it as a single purpose noise reduction device, or, you can connect it to a walkman or any other audio equipment through the built-in phone jack. You will be surprised while listening music through this device, not only by the reduced ambient noise, but also by the enhanced sound quality. Contrary to general thinking that ANC(Active Noise Canceling) circuit would “eat away” significant portion of music played, we engineered the device such that not only the response of the speakers are improved, the active circuit actually process the music signal in a subtle way to create a “concert hall” like effect. The clarity and extra depth of the music pouring out of this headset will be an experience that you can never do away with.

### **What is Active Noise Cancellation?**

**ANC-350 Active Noise Canceling Headphones** uses a microphone inside the ear cup to receive to ambient noise coming into the ear. Using electronics, the ANC controller creates a noise wave that is identical to, but directly opposite of ambient noise coming into the ear. The "anti-noise" wave is output through a speaker, also located in the ear cup. When the two waves (the noise wave and the anti-noise wave) meet, the noise is significantly reduced.



## Technical Specifications:

### Audio:

1. Driver Unit --- 40mm diameter Neodymium magnet Speaker
2. Sensitivity --- 104dB/mW (when the power is on, at 1 KHz)  
100dB/mW (when the power is off, at 1 KHz)
3. Frequency Response --- 20 ~ 20KHz
4. Impedance --- 70 ohms $\pm$ 20%(when the power is on)  
40 ohms $\pm$ 20%(when the power is off)

### Active Noise Reduction (ANC):

1. Maximum Active Noise Reduction Level --- more than 16dB in 100~200Hz
2. Active Noise Reduction Active Range --- 30Hz ~ 900Hz

### Power:

1. Nominal Current Consumption --- 19mA
2. Battery Type --- DC1.5V, size AAA Battery x 1
3. Battery Life (Approx.) --- About 40 hours using a size AAA battery at 800mA

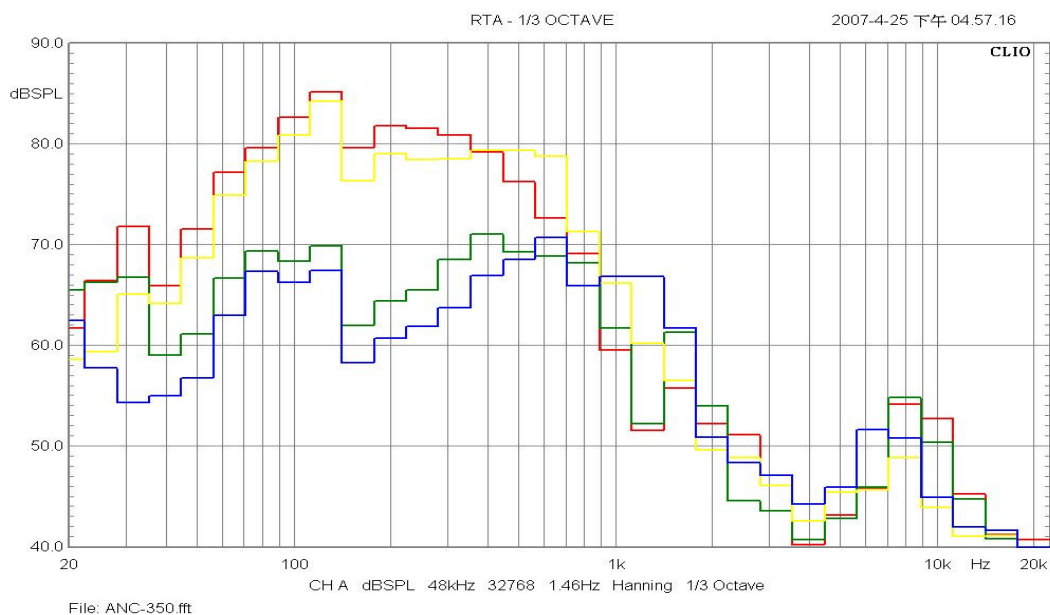
### Weights and Measurements:

1. Weight (Approx.) --- 200g $\pm$ 10g

### Features:

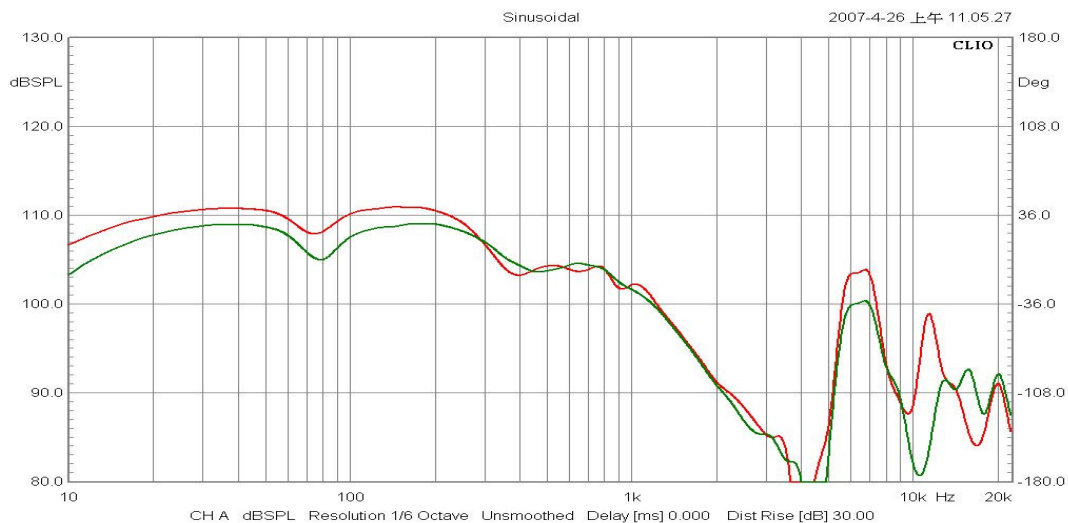
1. Headband --- Adjustable, Foldable
2. ANC Power ON/OFF
3. Volume Control
4. Connecting Cord --- 1.2m, Stereo Cord
5. Plug --- 3.5 mm stereo gold-plated L type
6. Inflight plug adapter

## ANC-350 / Noise Reduction Curve:



Red line: Left Side-ANC OFF  
 Green line: Left Side-ANC ON  
 Yellow line: Right Side-ANC OFF  
 Blue line: Right Side-ANC ON

## ANC-350 / Audio Curve (When ANC OFF):



## ANC-350 / Audio Curve (When ANC ON):

