

AEROSONIC CORP /DE/  
Form NT 10-Q  
September 10, 2007

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

FORM 12b-25

NOTIFICATION OF LATE FILING

(Check One):              Form 10-K              Form 20-F              Form 11-K              Form 10-Q              Form N-SAR              Form N-CSR

For Period Ended: July 27, 2007  
Transition Report on Form 10-K  
Transition Report on Form 20-F  
Transition Report on Form 11-K  
Transition Report on Form 10-Q  
Transition Report on Form N-SAR  
For the Transition Period Ended: \_\_\_\_\_

*Read Instruction Sheet Before Preparing Form. Please Print or Type.*

**Nothing in this form shall be construed to imply that the Commission has verified any information contained herein.**

If the notification relates to a portion of the filing checked above, identify the Item(s) to which the notification relates:

\_\_\_\_\_

**PART I — REGISTRANT INFORMATION**

Full Name of Registrant                              **Aerosonic Corporation**

Former Name if Applicable

Address of Principal Executive Office (*Street and Number*)      1212 North Hercules Avenue

City, State and Zip Code                              Clearwater, Florida 33765

**PART II — RULES 12b-25(b) AND (c)**

If the subject report could not be filed without unreasonable effort or expense and the registrant seeks relief pursuant to Rule 12b-25(b), the following should be completed. (Check box if appropriate)

- (a)      The reasons described in reasonable detail in Part III of this form could not be eliminated without unreasonable effort or expense;
- (b)      The subject annual report, semi-annual report, transition report on Form 10-K, Form 20-F, 11-K or Form N-SAR, or portion thereof, will be filed on or before the fifteenth calendar day following the prescribed due date; or the subject quarterly report of transition report on Form 10-Q, or portion thereof will be filed on or before the fifth calendar day following the prescribed due date; and
- (c)      The accountant's statement or other exhibit required by Rule 12b-25(c) has been attached if applicable.

**PART III — NARRATIVE**

State below in reasonable detail the reasons why Forms 10-K, 20-F, 11-K, 10-Q, N-SAR, or the transition report or portion thereof, could not be filed within the prescribed time period.

Aerosonic Corporation (the "Registrant") requires additional time to prepare and file its Quarterly Report on Form 10-Q for the quarter ended July 27, 2007 (the "10-Q") because the Registrant and its independent registered public accounting firm are still in the process of completing their review of the financial statements as of July 27, 2007 and are not able to finish such process in a manner to allow the timely filing of the 10-Q without unreasonable effort or expense.

**PART IV — OTHER INFORMATION**

(1) Name and telephone number of person to contact in regard to this notification

David A. Baldini	(727)	461-3000
(Name)	(Area Code)	(Telephone Number)

(2) Have all other periodic reports required under Section 13 or 15(d) of the Securities Exchange Act of 1934 or Section 30 of the Investment Company Act of 1940 during the preceding 12 months or for such shorter period that the registrant was required to file such report(s) been filed? If answer is no, identify report(s) Yes    No

(3) Is it anticipated that any significant change in results of operations from the corresponding period for the last fiscal year will be reflected by the earnings statements to be included in the subject report or portion thereof? Yes    No

If so, attach an explanation of the anticipated change, both narratively and quantitatively, and, if appropriate, state the reasons why a reasonable estimate of results cannot be made.

**Aerosonic Corporation**

(Name of Registrant as Specified in Charter)

has caused this notification to be signed on its behalf by the undersigned hereunto duly authorized.

Date September 10, 2007

By: /s/ David A. Baldini  
 David A. Baldini, Chairman of the Board,  
 President and Chief Executive Officer