AEROSONIC CORP /DE/ Form 8-K April 09, 2010

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): April 7, 2010

AEROSONIC CORPORATION

(Exact name of registrant as specified in its charter)

Delaware 1-11750
State or other jurisdiction of incorporation or organization (Commission File Number)

1750 74-1668471 (I.R.S. Employer Identification No.)

1212 North Hercules Avenue

Clearwater, Florida 33765 (Address of principal executive offices and Zip Code)

(727) 461-3000

(Registrant's telephone number, including Area Code)

Not applicable

(Former name, former address and former fiscal year, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- " Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- " Pre-commencement communications pursuant to rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- " Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 2.02. Results of Operations and Financial Condition.

On April 7, 2010, Aerosonic Corporation issued a press release announcing its financial results for the fourth quarter and full year of fiscal year 2010. A copy of the press release is attached hereto as Exhibit 99.1.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits

99.1 Press Release of Aerosonic Corporation, dated April 7, 2010, reporting Aerosonic Corporation's financial results for the fourth quarter and full year of fiscal year 2010.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

AEROSONIC CORPORATION

Dated: April 9, 2010 By: /s/ Douglas J. Hillman

Douglas J. Hillman

President and Chief Executive Officer

EXHIBIT INDEX

Exhibit Number	Description
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