

DEC

ANNUAL MEETING OF STOCKHOLDERS OF AEROSONIC CORPORATION

July 10, 2006

PROOF # 2

Please date, sign and mail
your proxy card in the
envelope provided as soon
as possible.

↓ Please detach along perforated line and mail in the envelope provided. ↓

THE BOARD OF DIRECTORS RECOMMENDS A VOTE "FOR" THE ELECTION OF DIRECTORS.
PLEASE SIGN, DATE AND RETURN PROMPTLY IN THE ENCLOSED ENVELOPE. PLEASE MARK YOUR VOTE IN BLUE OR BLACK INK AS SHOWN HERE

1. To elect two directors to the board of directors of the Company, to hold office until his successor has been duly elected and qualified;

FOR ALL NOMINEES

NOMINEES:

Robert J. McGill Class II Director
 P. Mark Perkins Class II Director

WITHHOLD AUTHORITY FOR ALL NOMINEES

FOR ALL EXCEPT (See instructions below)

2. To transact such other business as may properly come before the Meeting or any adjournment or postponement thereof.

ALL STOCKHOLDERS ARE CORDIALLY INVITED TO ATTEND THE MEETING IN PERSON. WHETHER OR NOT YOU EXPECT TO ATTEND THE MEETING, PLEASE COMPLETE, DATE, SIGN AND RETURN THE ENCLOSED PROXY AS PROMPTLY AS POSSIBLE IN ORDER TO ENSURE YOUR REPRESENTATION AT THE MEETING. YOU MAY VOTE BY USING THE INTERNET AS INSTRUCTED ON THE PROXY CARD, OR BY COMPLETING, SIGNING AND DATING THE PROXY CARD AND RETURNING IT IN THE ENCLOSED ENVELOPE. PLEASE NOTE, HOWEVER, THAT IF YOUR SHARES ARE HELD OF RECORD BY A BROKER, BANK OR OTHER NOMINEE AND YOU WISH TO VOTE AT THE MEETING, YOU MUST OBTAIN FROM THE RECORD HOLDER A PROXY ISSUED IN YOUR NAME.

INSTRUCTION: To withhold authority to vote for any individual nominee(s), mark "FOR ALL EXCEPT" and fill in the circle next to each nominee you wish to withhold, as shown here: ●

To change the address on your account, please check the box at right and indicate your new address in the address space above. Please note that changes to the registered name(s) on the account may not be submitted via this method.

Signature of Stockholder

Date:

Signature of Stockholder

Date:

Note: Please sign exactly as your name or names appear on this Proxy. When shares are held jointly, each holder should sign. When signing as executor, administrator, attorney, trustee or guardian, please give full title as such. If the signer is a corporation, please sign full corporate name by duly authorized officer, giving full title as such. If signer is a partnership, please sign in partnership name by authorized person.

FEC

PROOF # 2

0

AEROSONIC CORPORATION

1212 North Hercules Avenue
Clearwater, Florida 33765

THIS PROXY IS SOLICITED ON BEHALF OF THE BOARD OF DIRECTORS

The undersigned hereby appoints David A. Baldini and Gary E. Colbert as proxies, each with full power of substitution, to represent and vote as designated on the reverse side, all the shares of Common Stock of Aerosonic Corporation held of record by the undersigned on May 22, 2006, at the Annual Meeting of Stockholders to be held at the Wyndham Westshore Hotel, 4860 West Kennedy Boulevard, Tampa, Florida 33609, on July 10, 2006, at 10:00 A.M., local time, or any adjournment or postponement thereof.

This Proxy, when properly executed, will be voted in the manner directed herein by the undersigned shareholder(s). If no direction is provided, the named proxies are authorized and directed to vote on the proposals as described in the Proxy Statement accompanying this Proxy. If any nominee shall cease to be a candidate for election for any reason, the Proxy will be voted for a substitute nominee designated by the Board of Directors and for the remaining nominees.

(Continued and to be signed on the reverse side)

dec

ANNUAL MEETING OF STOCKHOLDERS OF

AEROSONIC CORPORATION

July 10, 2006

PROOF # 2

PROXY VOTING INSTRUCTIONS

MAIL - Date, sign and mail your proxy card in the envelope provided as soon as possible.

- OR -

INTERNET - Access "www.voteproxy.com" and follow the on-screen instructions. Have your proxy card available when you access the web page.

Table with 2 columns: COMPANY NUMBER, ACCOUNT NUMBER. Includes a shaded row at the bottom.

You may enter your voting instructions at www.voteproxy.com up until 11:59 PM Eastern Time the day before the cut-off or meeting date.

Please detach along perforated line and mail in the envelope provided IF you are not voting via the Internet.

THE BOARD OF DIRECTORS RECOMMENDS A VOTE "FOR" THE ELECTION OF DIRECTORS. PLEASE SIGN, DATE AND RETURN PROMPTLY IN THE ENCLOSED ENVELOPE. PLEASE MARK YOUR VOTE IN BLUE OR BLACK INK AS SHOWN HERE [X]

1. To elect two directors to the board of directors of the Company, to hold office until his successor has been duly elected and qualified;

- NOMINEES: [] FOR ALL NOMINEES, [] WITHHOLD AUTHORITY FOR ALL NOMINEES, [] FOR ALL EXCEPT (See instructions below). Robert J. McGill Class II Director, P. Mark Perkins Class II Director.

2. To transact such other business as may properly come before the Meeting or any adjournment or postponement thereof.

ALL STOCKHOLDERS ARE CORDIALLY INVITED TO ATTEND THE MEETING IN PERSON. WHETHER OR NOT YOU EXPECT TO ATTEND THE MEETING, PLEASE COMPLETE, DATE, SIGN AND RETURN THE ENCLOSED PROXY AS PROMPTLY AS POSSIBLE IN ORDER TO ENSURE YOUR REPRESENTATION AT THE MEETING. YOU MAY VOTE BY USING THE INTERNET AS INSTRUCTED ON THE PROXY CARD, OR BY COMPLETING, SIGNING AND DATING THE PROXY CARD AND RETURNING IT IN THE ENCLOSED ENVELOPE. PLEASE NOTE, HOWEVER, THAT IF YOUR SHARES ARE HELD OF RECORD BY A BROKER, BANK OR OTHER NOMINEE AND YOU WISH TO VOTE AT THE MEETING, YOU MUST OBTAIN FROM THE RECORD HOLDER A PROXY ISSUED IN YOUR NAME.

INSTRUCTION: To withhold authority to vote for any individual nominee(s), mark "FOR ALL EXCEPT" and fill in the circle next to each nominee you wish to withhold, as shown here: []

To change the address on your account, please check the box at right and indicate your new address in the address space above. Please note that changes to the registered name(s) on the account may not be submitted via this method. []

Signature of Stockholder [] Date: [] Signature of Stockholder [] Date: []

Note: Please sign exactly as your name or names appear on this Proxy. When shares are held jointly, each holder should sign. When signing as executor, administrator, attorney, trustee or guardian, please give full title as such. If the signer is a corporation, please sign full corporate name by duly authorized officer, giving full title as such. If signer is a partnership, please sign in partnership name by authorized person.