

INPUT OUTPUT INC  
Form 424B3  
August 24, 2004

PROSPECTUS SUPPLEMENT NO. 3  
(TO PROSPECTUS DATED APRIL 30, 2004)

FILED PURSUANT TO RULE 424(b)(3) and (c)  
FILE NO. 333-112263

**\$60,000,000**

## **Input/ Output, Inc.**

### **5.50% Convertible Senior Notes Due 2008**

### **and the Shares of Common Stock Issuable upon Conversion of the Convertible Notes**

This prospectus supplement relates to the resale by the holders of the 5.50% Convertible Senior Notes due 2008 of Input/ Output, Inc. and the shares of common stock issuable upon conversion of the notes.

This prospectus supplement supplements and should be read in conjunction with the prospectus dated April 30, 2004, as previously supplemented, which is to be delivered with this prospectus supplement. This prospectus supplement is not complete without, and may not be delivered or utilized except in connection with, the prospectus, including all amendments and supplements thereto. The terms of the notes are set forth in the prospectus.

The information in the prospectus appearing in the table under the heading **Selling Securityholders** is supplemented by the information appearing in the table below. The information below is furnished to us by the selling securityholders listed below on or before August 24, 2004.

<b>Selling Securityholder</b>	<b>Amount of Notes Beneficially Owned (\$)</b>	<b>Percentage of Notes Beneficially Owned (%)</b>	<b>Amount of Notes That May Be Sold \$(1)</b>	<b>Number of Shares of Common Stock Beneficially Owned(2)(3)</b>	<b>Number of Shares of Common Stock That May Be Sold(1)(3)</b>
MSS Convertible Arbitrage 1 c/o TQA Investors, LLC	5,000	*	5,000	1,157	1,157
Sagamore Hill Hub Fund, Ltd. Sphinx Fund	3,500,000	5.83	3,500,000	810,185(5)	810,185
c/o TQA Investors, LLC	81,000	*	81,000	18,750	18,750

\* Represents less than 1% of the outstanding notes.

- (1) Because a selling securityholder may sell all or a portion of the notes and common stock issuable upon conversion of the notes pursuant to this prospectus, no estimate can be given as to the number or percentage of notes and common stock that the selling securityholder will hold upon termination of any sales.
- (2) Represents only shares of common stock issuable upon conversion of the notes.
- (3) The number of shares of our common stock issuable upon conversion of the notes is calculated assuming conversion of the full amount of notes held by such holder at the initial conversion price of \$4.32, which equals a conversion rate of 231.4815 shares per \$1,000 principal amount of notes. This conversion rate is subject to adjustment as described under **Description of Notes Conversion Price Adjustments** contained in the prospectus. Accordingly, the number of shares of common stock to be sold may increase or decrease from time to time. Fractional shares will not be issued upon conversion of the notes. Cash will be paid in lieu of fractional shares.
- (4) Not applicable for the purposes of this prospectus supplement. See the information under the heading **Selling Securityholders** contained in the prospectus.

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(5) Would represent, upon conversion of the securityholder's notes into shares of common stock, greater than 1% of our shares of common stock outstanding, based upon 76,120,474 shares outstanding as of July 30, 2004.

**Investing in the Convertible Notes and our Common Stock involves risks. See Risk Factors beginning on page 6 of the Prospectus.**

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**Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the accuracy or adequacy of the Prospectus or this Prospectus Supplement. Any representation to the contrary is a criminal offense.**

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The date of this prospectus supplement is August 24, 2004