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

FORM 6-K

Report of Foreign Private Issuer Pursuant to Rule 13a-16 or 15d-16

under the Securities Exchange Act of 1934

For the Month of May, 2006

Commission file number 0-30070

AUDIOCODES LTD.

(Translation of registrant's name into English)

<u>1 Hayarden Street. Airport City, Lod 70151• ISRAEL</u> (Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.

Form 20-F \checkmark Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): _____

Note: Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): _____

Note: Regulation S-T Rule 101(b)(7) only permits the submission in paper of a Form 6-K if submitted to furnish a report or other document that the registrant foreign private issuer must furnish and make public under the laws of the jurisdiction in which the registrant is incorporated, domiciled or legally organized (the registrant's "home country"), or under the rules of the home country exchange on which the registrant's securities are traded, as long as the report or other document is not a press release, is not required to be and has not been distributed to the registrant's security holders, and, if discussing a material event, has already been the subject of a Form 6-K submission or other Commission filing on EDGAR.

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes _ No _√

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82-___

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Page 1 of 10

On May 8, 2006, AudioCodes Ltd. (the "Company") issued a press release announcing revenues and net income for the first quarter of 2006. A copy of this press release is annexed hereto as Exhibit 1.

The following document is attached hereto and incorporated by reference herein:

Exhibit 1. Press Release, dated May 8, 2006, announcing revenues and net income for the first quarter of 2006.

The information set forth in the second paragraph, the first and second sentences of the third paragraph and the fourth paragraph of, and the condensed consolidated balance sheets, condensed consolidated statements of operations and condensed interim consolidated statements of cash flows contained in, the press release attached as Exhibit 1 to this Report on Form 6-K are hereby incorporated by reference into (i) the Registrant' s Registration Statement on Form F-3, Registration No. 333-117703; (ii) the Registrant's Registration Statement on Form F-3, Registration No. 333-123859; (iii) the Registrant's Registration Statement on Form S-8, Registration No. 333-11894; (iv) the Registrant's Registration Statement on Form S-8, Registration Statement on Form S-8, Registration Statement on Form S-8, Registration No. 333-13378; and (vi) the Registrant's Registration Statement on Form S-8, Registration No. 333-105473.

Page 2 of 10

SIGNATURE

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, thereunto duly authorized.

AUDIOCODES LTD. (Registrant)

By: <u>/s/ Nachum Falek</u> Nachum Falek Chief Financial Officer and Vice President Finance

Dated: May 9, 2006

Page 3 of 10

EXHIBIT INDEX

Exhibit No. Description

1. Press Release, dated May 8, 2006, announcing revenues and net income for the first quarter of 2006.

Page 4 of 10

PRESSRELEASE

Company Contacts	
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VP Finance & CFO	Director, Investor Relations
AudioCodes	AudioCodes
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AudioCodes Reports First Quarter 2006 Results

Quarterly Revenues Increased to a Record \$31.3 Million, Up 2.3% Sequentially and 16.4% Year-over-Year

Lod, Israel - May 8, 2006 - AudioCodes (Nasdaq: AUDC), a leading provider of Voice over Packet (VoP) technologies and Voice Network products, today announced financial results for the first quarter ended March 31, 2006.

Revenues for the first quarter ended March 31, 2006 were a record \$31.3 million compared to \$30.6 million for the quarter ended December 31, 2005 and \$26.9 million for the quarter ended March 31, 2005. First quarter revenues grew 2.3% sequentially and increased 16.4% compared to the first quarter of 2005.

For the first quarter of 2006 net income on GAAP basis was \$2.3 million, or \$0.05 per diluted share. SFAS No. 123R became applicable to the Company effective January 1, 2006 and, as a result, the Company recorded \$2.1 million of stock-based compensation expense in the first quarter of 2006. Excluding this stock-based compensation expense, net income on a non-GAAP basis for the first quarter of 2006 was \$4.3 million, or \$0.10 per diluted share¹, compared to net income of \$3.9 million, or \$0.09 per diluted share, in the fourth quarter of 2005 and \$3.0 million, or \$0.07 per diluted share, for the corresponding period last year. Non-GAAP net income which excludes the effect of stock-based compensation expense is reported in order to facilitate financial results tracking and comparison with previously reported financial results.

Cash and cash equivalents, short-term and long-term marketable securities, short-term and long-term bank deposits and structured notes were \$227.6 million as of March 31, 2006 compared to \$220.3 million as of December 31, 2005 and \$209.6 million as of March 31, 2005.

"In the first quarter of 2006, we experienced increased demand for AudioCodes' media gateways and media servers that resulted in record revenues and our eighteenth consecutive quarter of top line growth. We secured important design wins and partnerships in fixed mobile convergence, Voice over Broadband, and SIP applications which will all eventually converge on an IMS core network. We also broadened our global sales coverage and established closer relationships with service providers, OEMs, and Channels which provide a strong foundation for future growth," stated Shabtai Adlersberg, President, Chairman and CEO of AudioCodes.

Conference Call & Webcast Information

AudioCodes will conduct a conference call on May 9, 2006 to discuss the first quarter 2006 financial results, which will be simultaneously Webcast at 9:00 A.M. Eastern Time. Investors are invited to listen to the call live via Webcast at the AudioCodes corporate Website at <u>http://www.audiocodes.com.</u>

About AudioCodes

AudioCodes Ltd. (NASDAQ: AUDC) enables the new voice infrastructure by providing innovative, reliable and cost-effective Voice over Packet technology and Voice Network products to OEMs, network equipment providers and system integrators. AudioCodes provides its customers and partners with a diverse range of flexible, comprehensive media gateway and media processing technologies, based on VoIPerfectTM - AudioCodes' underlying, best-of-breed, core media gateway architecture. The company is a market leader in voice compression technology and is a key originator of the ITU G.723.1 standard for the emerging Voice over IP market. AudioCodes voice network products feature media gateway and media server platforms for packet-based applications in the converged, wireline, wireless, broadband access, and enhanced voice services markets.

¹ Non-GAAP measures should be considered in addition to, and not as a substitute for, the results prepared in accordance with GAAP. Our management believes the Non-GAAP information is useful because it can enhance the understanding of our ongoing economic performance and therefore uses internally the Non-GAAP information to evaluate and manage our operations. We have chosen to provide this information to investors to enable them to perform comparisons of operating results in a manner similar to how we analyze our operating results.

Page 5 of 10

AudioCodes enabling technology products include VoIP and CTI communication boards, VoIP media gateway processors and modules, and CPE devices. Its customers include the leading telecom and data network equipment providers globally. AudioCodes' headquarters and R&D facilities are located in Israel with an R&D extension in the U.S. Other AudioCodes' offices are located in Europe, the Far East, and Latin America. For more information on AudioCodes, visit www.audiocodes.com.

Statements concerning AudioCodes' business outlook or future economic performance; product introductions and plans and objectives related thereto; and statements concerning assumptions made or expectations as to any future events, conditions, performance or other matters, are "forward-looking statements" as that term is defined under U.S. Federal securities laws. Forward-looking statements are subject to various risks, uncertainties and other factors that could cause actual results to differ materially from those stated in such statements. These risks, uncertainties and factors include, but are not limited to: the effect of global economic conditions in general and conditions in AudioCodes' industry and target markets in particular; shifts in supply and demand; market acceptance of new products and continuing products' demand; the impact of competitive products and pricing on AudioCodes' and its customers' products and markets; timely product and technology development/upgrades and the ability to manage changes in market conditions as needed; and other factors detailed in AudioCodes' filings with the Securities and Exchange Commission. AudioCodes assumes no obligation to update the information in this release.

AudioCodes, AC, Ardito, AudioCoded, NetCoder, TrunkPack, VoicePacketizer, MediaPack, Stretto, Mediant, VoIPerfect and IPmedia and Your Gateway to VoIP are trademarks or registered trademarks of AudioCodes Limited. All other products or trademarks are property of their respective owners.

Summary financial data follows

Page 6 of 10

AUDIOCODES LTD. AND ITS SUBSIDIARIES

CONDENSED INTERIM CONSOLIDATED BALANCE SHEETS

U.S. dollars in thousands

	March 31, 2006 (Unaudited)		December 31, 2005		
ASSETS					
CURRENT ASSETS:					
Cash and cash equivalents	\$ 96,412	\$	70,957		
Short-term bank deposits and structured notes	62,520		61,929		
Short-term marketable securities and accrued interest	18,693		9,863		
Trade receivables, net	17,919		17,990		
Other receivables and prepaid expenses	4,732		4,891		
Inventories	13,020		11,562		
Total current assets	213,296		177,192		
LONG-TERM INVESTMENTS:					
Long-term bank deposits and structured notes	10,050		27,781		
Long-term marketable securities	39,897		49,791		
Investments in companies	2,425		1,112		
Deferred tax assets	2,794		2,489		
Severance pay funds	5,560		5,406		
Total long-term investments	60,726		86,579		
PROPERTY AND EQUIPMENT, NET	6,301		6,494		
INTANGIBLE ASSETS, DEFERRED CHARGES AND OTHER, NET	3,059		3,279		
GOODWILL	18,677		18,679		
Total assets	\$ 302,059	\$	292,223		
LIABILITIES AND SHAREHOLDERS' EQUITY					
CURRENT LIABILITIES:					
Trade payables	\$ 6,097	\$	7,774		
Other payables and accrued expenses	19,249		18,620		
Total current liabilities	25,346		26,394		
ACCRUED SEVERANCE PAY	6,170		5,887		

SENIOR CONVERTIBLE NOTES	120,880	120,836
Total shareholders' equity	149,663	139,106
Total liabilities and shareholders' equity	\$ 302,059	\$ 292,223

Page 7 of 10

AUDIOCODES LTD. AND ITS SUBSIDIARIES CONDENSED INTERIM CONSOLIDATED STATEMENTS OF OPERATIONS U.S. dollars in thousands, except share and per share data

Three months ended

	2006	Marc (Unau	ch 31, udited)	2005
Revenues	\$ 31,	334	\$	26,928
Cost of revenues	12,	693		10,942
Gross profit	18,	641		15,986
Operating expenses: Research and development, net		289		5,668
Selling and marketing General and administrative		075 810		5,876 1,411
Total operating expenses	17,	174		12,955
Operating income Financial income, net Equity in losses of affiliated companies	1,	467 109 173		3,031 328 256
Income before taxes on income Taxes on income, net	2,	403 126		3,103 140
Net income	\$ 2,	277	\$	2,963
Basic net earnings per share	\$ ().06	\$	0.07
Diluted net earnings per share	\$ ().05	\$	0.07
Weighted average number of shares used in computing basic net earnings per share (in thousands)	41,	049		40,027
Weighted average number of shares used in computing diluted net earnings per share (in thousands)	43,	938		43,549

AUDIOCODES LTD. AND ITS SUBSIDIARIES NON-GAAP PROFORMA STATEMENTS OF OPERATIONS U.S. dollars in thousands, except share and per share data

Three months ended

	2006	March 31, (Unaudited)		2005
	2000			2005
Revenues				
	\$ 31	,334	\$	26,928
Cost of revenues *)	12	2,559		10,942
Gross profit	18	8,775		15,986
Operating expenses:				
Research and development, net *)	e	5,581		5,668
Selling and marketing *)	7	,222		5,876
General and administrative *)	1	,454		1,411
Total operating expenses	15	5,257		12,955
Operating income		5,518		3,031
Financial income, net	1	,109		328
Equity in losses of affiliated companies		173		256
Income before taxes on income	4	,454		3,103
Taxes on income, net		126		140
Non-GAAP net income	\$ 4	,328	\$	2,963
Non-GAAP diluted net earnings per share	\$	0.10	\$	0.07
Weighted average number of shares used in computing non-GAAP				
diluted net earnings per share (in thousands)	50),619		43,549

*) Excluding stock-based compensation expenses related to options granted to employees and others as a result of the adoption of SFAR 123R as of January 1, 2006

Page 9 of 10

AUDIOCODES LTD. AND ITS SUBSIDIARIES CONDENSED INTERIM CONSOLIDATED STATEMENT OF CASH FLOWS U.S. dollars in thousands

	Μ	ee months ended (arch 31, 2006 naudited)
Cash flows from operating activities: Net income	¢	2 277
	\$	2,277
Adjustments required to reconcile net income to net cash provided by operating activities: Depreciation and amortization		862
Net loss from sale of marketable securities		15
Amortization of marketable securities premiums and accretion of discounts, net		60
Equity in losses of affiliated companies		173
Increase in accrued severance pay, net		129
Stock-based compensation expenses		2,051
Amortization of senior convertible notes discount and deferred charges		49
Decrease in accrued interest on marketable securities, bank deposits and structured notes		13
Increase in deferred tax assets		(303)
Decrease in trade receivables, net		71
Increase in other receivables and prepaid expenses		(349)
Increase in inventories		(1,458)
Decrease in trade payables		(1,677)
Increase in other payables and accrued expenses		629
r i i r i r i i i i i i i i i i i i i i		
Net cash provided by operating activities		2,542
Cash flows from investing activities:		
Proceeds from sale of marketable securities		979
Proceeds from sale of bank deposits		17,209
Investments in companies		(1,136)
Purchase of property and equipment		(454)
Net cash provided by investing activities		16,598
Cash flows from financing activities:		
Proceeds from issuance of shares upon exercise of options and employee stock purchase plan		6,315
		(215
Net cash provided by financing activities		6,315
Increase in cash and cash equivalents		25,455
Cash and cash equivalents at the beginning of the period		70,957
		. 3,227
Cash and cash equivalents at the end of the period	\$	96,412
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Page 10 of 10