

As filed with the Securities and Exchange Commission on October 16, 1997
 Registration No. 333-_____

SECURITIES AND EXCHANGE COMMISSION
 WASHINGTON, D.C. 20549

FORM S-8
 REGISTRATION STATEMENT
 UNDER
 THE SECURITIES ACT OF 1933

HARMONIC LIGHTWAVES, INC.
 (Exact name of registrant as specified in its charter)

DELAWARE

77-0201147

(State or other jurisdiction
 of incorporation)

(IRS Employer
 Identification No.)

549 Baltic Way
 Sunnyvale, California 94089
 (Address of principal executive offices)

1995 Stock Plan
 (Full Title of the Plan)

ANTHONY J. LEY
 CHAIRMAN OF THE BOARD OF DIRECTORS, PRESIDENT AND CHIEF EXECUTIVE OFFICER
 HARMONIC LIGHTWAVES, INC.
 549 BALTIC WAY
 SUNNYVALE, CALIFORNIA 94089
 (Name and address of agent for service)

(408) 542-2500
 (Telephone number, including area code, of agent for service)

Copies to:
 PATRICK J. SCHULTHEIS, ESQ.
 WILSON SONSINI GOODRICH & ROSATI
 Professional Corporation
 650 Page Mill Road
 Palo Alto, California 94304

Title of Securities to be Registered	Amount to be Registered	Proposed Maximum Offering Price Per Share(1)	Proposed Maximum Aggregate Offering Price(1)	Amount of Registration Fee
Common Stock, \$0.001 par value, per share	480,000	\$13.1875	\$6,330,000	\$1,918.18

- (1) Estimated pursuant to Rule 457 of Regulation C solely for the purpose of calculating the registration fee. The proposed maximum offering price per share with respect to the 480,000 shares reserved for issuance under the 1995 Stock Plan has been estimated to be the average of the high and low price reported in the Nasdaq National Market on October 10, 1997.

PART II

INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

ITEM 3. INFORMATION INCORPORATED BY REFERENCE.

There are hereby incorporated by reference in this Registration Statement the following documents and information heretofore filed with the Securities and Exchange Commission:

(a) The Registrant's Annual Report on Form 10-K for the year ended December 31, 1996 filed pursuant to Section 13(a) or 15(d) of the Securities Exchange Act, as amended (the "Exchange Act").

(b) The Registrant's quarterly reports on Form 10-Q for the quarter ended March 28, 1997 and the quarter ended June 27, 1997 filed pursuant to Section 13(a) or 15(d) of the Exchange Act.

(c) The description of the Registrant's Common Stock contained in the Registrant's Registration Statement on Form 8-A dated April 6, 1995, filed pursuant to Section 12 of the Securities Exchange Act of 1934, as amended, including any amendment or report filed for the purpose of updating such description.

All documents filed by the Registrant pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act after the date of this registration statement and prior to the filing of a post-effective amendment which indicates that all securities offered have been sold or which deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference in this registration statement and to be part hereof from the date of filing such documents.

ITEM 4. DESCRIPTION OF SECURITIES.

Not applicable.

ITEM 5. INTERESTS OF NAMED EXPERTS AND COUNSEL.

Not applicable.

ITEM 6. INDEMNIFICATION OF DIRECTORS AND OFFICERS.

Section 145 of the Delaware General Corporations Law authorizes a court to award, or a corporation's Board of Directors to grant, indemnification to directors and officers in terms sufficiently broad to permit such indemnification under certain circumstances for liabilities (including reimbursement for expenses incurred) arising under the Securities Act. Article VI of the Company's Bylaws provides for the mandatory indemnification of its directors, officers, employees and other agents to the maximum extent permitted by Delaware General Corporation Law, and the Company has entered into agreements with its officers, directors and certain key employees implementing such indemnification.

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ITEM 7. EXEMPTION FROM REGISTRATION CLAIMED.

Not applicable.

ITEM 8. EXHIBITS.

Exhibit
Number

5.1 Opinion of Wilson Sonsini Goodrich & Rosati,
Professional Corporation, as to the legality of
securities being registered.

- 10.1 1995 Stock Plan, as amended.
- 23.1 Consent of Independent Accountants.
- 23.2 Consent of Counsel (included in Exhibit 5.1).
- 24.1 Power of Attorney (see page II-4).

ITEM 9. UNDERTAKINGS.

(a) The undersigned Registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement to include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement.

(2) That, for the purpose of determining any liability under the Securities Act, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(b) The undersigned Registrant hereby undertakes that, for purposes of determining any liability under the Securities Act, each filing of the Registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Exchange Act (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Exchange Act) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(c) Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the Registrant pursuant to the Registrant's Bylaws, indemnification agreements, or otherwise, the Registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Registrant of expenses incurred or paid by a director, officer or controlling person of the Registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the Registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Act and will be governed by the final adjudication of such issue.

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SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the Registrant, Harmonic Lightwaves, Inc., a Delaware corporation, certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Sunnyvale, State of California, on October 10, 1997.

HARMONIC LIGHTWAVES, INC.

By: /s/ Anthony J. Ley

Anthony J. Ley, Chairman of the Board,
President and Chief Executive Officer

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Anthony J. Ley and Robin N. Dickson, jointly and severally, his attorneys-in-fact, each with the power of substitution, for him in any and all capacities, to sign any amendments to this Registration Statement on Form S-8, and to file the same, with exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, hereby ratifying and confirming all that each of said attorneys-in-fact, or his substitute or substitutes, may do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the date indicated.

SIGNATURE	TITLE	DATE
----- /s/ Anthony J. Ley ----- (Anthony J. Ley)	Chairman of the Board, President and Chief Executive Officer (Principal Executive Officer)	October 10, 1997
----- /s/ Robin N. Dickson ----- (Robin N. Dickson)	Chief Financial Officer (Principal Financial and Accounting Officer)	October 10, 1997
----- /s/ E. Floyd Kvamme ----- (E. Floyd Kvamme)	Director	October 10, 1997
----- /s/ David A. Lane ----- (David A. Lane)	Director	October 10, 1997
----- /s/ Barry D. Lemieux ----- (Barry D. Lemieux)	Director	October 10, 1997
----- /s/ Moshe Nazarathy ----- (Moshe Nazarathy)	Director	October 10, 1997
----- /s/ Michel L. Vaillaud ----- (Michel L. Vaillaud)	Director	October 10, 1997

INDEX TO EXHIBITS

Exhibit Number	Description
5.1	Opinion of Wilson Sonsini Goodrich & Rosati, Professional Corporation.
10.1	1995 Stock Plan, as amended.
23.1	Consent of Price Waterhouse LLP.
23.2	Consent of Wilson Sonsini Goodrich & Rosati, Professional Corporation (included in Exhibit 5.1).
24.1	Power of Attorney (See page II-3).

October 10, 1997

Harmonic Lightwaves, Inc.
549 Baltic Way
Sunnyvale, California 94089

Re: Registration Statement on Form S-8

Gentlemen:

We have examined the Registration Statement on Form S-8 to be filed by you with the Securities and Exchange Commission on or about October 16, 1997 (the "Registration Statement") in connection with the registration under the Securities Act of 1933, as amended, of 480,000 shares of your Common Stock under the 1995 Stock Plan, as amended. Such shares of Common Stock are referred to herein as the "Shares," and such plan is referred to herein as the "Plan." As your counsel in connection with this transaction, we have examined the proceedings taken and are familiar with the proceedings proposed to be taken by you in connection with the issuance and sale of the Shares pursuant to the Plan.

It is our opinion that, when issued and sold in the manner described in the Plan and pursuant to the agreements which accompany each grant under the Plan, the Shares will be legally and validly issued, fully paid and non-assessable.

We consent to the use of this opinion as an exhibit to the Registration Statement, and further consent to the use of our name wherever appearing in the Registration Statement and any amendments thereto.

Very truly yours,

WILSON SONSINI GOODRICH & ROSATI
Professional Corporation

HARMONIC LIGHTWAVES, INC.
1995 STOCK PLAN
(AS AMENDED APRIL 30, 1997)

1. Purposes of the Plan. The purposes of this Stock Plan are:
 - to attract and retain the best available personnel for positions of substantial responsibility,
 - to provide additional incentive to Employees and Consultants, and
 - to promote the success of the Company's business.

Options granted under the Plan may be Incentive Stock Options or Nonstatutory Stock Options, as determined by the Administrator at the time of grant. Stock Purchase Rights may also be granted under the Plan.

2. Definitions. As used herein, the following definitions shall apply:

(a) "Administrator" means the Board or any of its Committees as shall be administering the Plan, in accordance with Section 4 of the Plan.

(b) "Applicable Laws" means the legal requirements relating to the administration of stock option plans under state corporate and securities laws and the Code.

(c) "Board" means the Board of Directors of the Company.

(d) "Code" means the Internal Revenue Code of 1986, as amended.

(e) "Committee" means a Committee appointed by the Board in accordance with Section 4 of the Plan.

(f) "Common Stock" means the Common Stock of the Company.

(g) "Company" means Harmonic Lightwaves, Inc., a Delaware corporation.

(h) "Consultant" means any person, including an advisor, engaged by the Company or a Parent or Subsidiary to render services and who is compensated for such services. The term "Consultant" shall not include Directors who are paid only a director's fee by the Company or who are not compensated by the Company for their services as Directors.

(i) "Continuous Status as an Employee or Consultant" means that the employment or consulting relationship with the Company, any Parent, or Subsidiary, is not interrupted or terminated. Continuous Status as an Employee or Consultant shall not be considered interrupted in

the case of (i) any leave of absence approved by the Company or (ii) transfers between locations of the Company or between the Company, its Parent, any Subsidiary, or any successor. A leave of absence approved by the Company shall include sick leave, military leave, or any other personal leave approved by an authorized representative of the Company. For purposes of Incentive Stock Options, no such leave may exceed 90 days, unless reemployment upon expiration of such leave is guaranteed by statute or contract. If reemployment upon expiration of a leave of absence approved by the Company is not so guaranteed, on the 91st day of such leave any Incentive Stock Option held by the Optionee shall cease to be treated as an Incentive Stock Option and shall be treated for tax purposes as a Nonstatutory Stock Option.

(j) "Director" means a member of the Board.

(k) "Disability" means total and permanent disability as defined in Section 22(e) (3) of the Code.

(l) "Employee" means any person, including Officers and Directors, employed by the Company or any Parent or Subsidiary of the Company. Neither service as a Director nor payment of a director's fee by the Company shall be sufficient to constitute "employment" by the Company.

(m) "Exchange Act" means the Securities Exchange Act of 1934, as amended.

(n) "Fair Market Value" means, as of any date, the value of Common Stock determined as follows:

(i) If the Common Stock is listed on any established stock exchange or a national market system, including without limitation the Nasdaq National Market of the National Association of Securities Dealers, Inc. Automated Quotation ("NASDAQ") System, the Fair Market Value of a Share of Common Stock shall be the closing sales price for such stock (or the closing bid, if no sales were reported) as quoted on such system or exchange (or the exchange with the greatest volume of trading in Common Stock) on the day of determination, as reported in The Wall Street Journal or such other source as the Administrator deems reliable;

(ii) If the Common Stock is quoted on the NASDAQ System (but not on the Nasdaq National Market thereof) or is regularly quoted by a recognized securities dealer but selling prices are not reported, the Fair Market Value of a Share of Common Stock shall be the mean between the high bid and low asked prices for the Common Stock on the last market trading day prior to the day of determination, as reported in The Wall Street Journal or such other source as the Administrator deems reliable;

(iii) In the absence of an established market for the Common Stock, the Fair Market Value shall be determined in good faith by the Administrator.

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(o) "Incentive Stock Option" means an Option intended to qualify as an incentive stock option within the meaning of Section 422 of the Code and the regulations promulgated thereunder.

(p) "Nonstatutory Stock Option" means an Option not intended to qualify as an Incentive Stock Option.

(q) "Notice of Grant" means a written notice evidencing certain terms and conditions of an individual Option or Stock Purchase Right grant. The Notice of Grant is part of the Option Agreement.

(r) "Officer" means a person who is an officer of the Company within the meaning of Section 16 of the Exchange Act and the rules and regulations promulgated thereunder.

(s) "Option" means a stock option granted pursuant to the Plan.

(t) "Option Agreement" means a written agreement between the Company and an Optionee evidencing the terms and conditions of an individual Option grant. The Option Agreement is subject to the terms and conditions of the Plan.

(u) "Option Exchange Program" means a program whereby outstanding options are surrendered in exchange for options with a lower exercise price.

(v) "Optioned Stock" means the Common Stock subject to an Option or Stock Purchase Right.

(w) "Optionee" means an Employee or Consultant who holds an outstanding Option or Stock Purchase Right.

(x) "Parent" means a "parent corporation", whether now or hereafter existing, as defined in Section 424(e) of the Code.

(y) "Plan" means this Harmonic Lightwaves, Inc. 1995 Stock Plan.

(z) "Restricted Stock" means shares of Common Stock acquired pursuant to a grant of Stock Purchase Rights under Section 11 below.

(aa) "Restricted Stock Purchase Agreement" means a written agreement between the Company and the Optionee evidencing the terms and restrictions applying to stock purchased under a Stock Purchase Right. The Restricted Stock Purchase Agreement is subject to the terms and conditions of the Plan and the Notice of Grant.

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(ab) "Rule 16b-3" means Rule 16b-3 of the Exchange Act or any successor to Rule 16b-3, as in effect when discretion is being exercised with respect to the Plan.

(ac) "Section 16(b)" means Section 16(b) of the Securities Exchange Act of 1934, as amended.

(ad) "Share" means a share of the Common Stock, as adjusted in accordance with Section 13 of the Plan.

(ae) "Stock Purchase Right" means the right to purchase Common Stock pursuant to Section 11 of the Plan, as evidenced by a Notice of Grant.

(af) "Subsidiary" means a "subsidiary corporation", whether now or hereafter existing, as defined in Section 424(f) of the Code.

3. Stock Subject to the Plan. Subject to the provisions of Section 13 of the Plan, the maximum aggregate number of Shares which may be optioned and sold under the Plan is 1,045,000 Shares. The Shares may be authorized, but unissued, or reacquired Common Stock.

If an Option or Stock Purchase Right expires or becomes unexercisable without having been exercised in full, or is surrendered pursuant to an Option Exchange Program, the unpurchased Shares which were subject thereto shall become available for future grant or sale under the Plan (unless the Plan has terminated); provided, however, that Shares that have actually been issued under the Plan, whether upon exercise of an Option or Right, shall not be returned to the Plan and shall not become available for future distribution under the Plan, except that if Shares of Restricted Stock are repurchased by the Company at their original purchase price, and the original purchaser of such Shares did not receive any benefits of ownership of such Shares, such Shares shall become available for future grant under the Plan. For purposes of the preceding sentence, voting rights shall not be considered a benefit of Share ownership.

4. Administration of the Plan.

(a) Procedure.

(i) Multiple Administrative Bodies. If permitted by Rule 16b-3, the Plan may be administered by different bodies with respect to Directors, Officers who are not Directors, and Employees who are neither Directors nor Officers.

(ii) Administration With Respect to Directors and Officers Subject to Section 16(b). With respect to Option or Stock Purchase Right grants made to Employees who are also Officers or Directors subject to

Section 16(b) of the Exchange Act, the Plan shall be administered by (A) the Board, if the Board may administer the Plan in a manner complying with the rules under

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Rule 16b-3 relating to the disinterested administration of employee benefit plans under which Section 16(b) exempt discretionary grants and awards of equity securities are to be made, or (B) a committee designated by the Board to administer the Plan, which committee shall be constituted to comply with the rules under Rule 16b-3 relating to the disinterested administration of employee benefit plans under which Section 16(b) exempt discretionary grants and awards of equity securities are to be made. Once appointed, such Committee shall continue to serve in its designated capacity until otherwise directed by the Board. From time to time the Board may increase the size of the Committee and appoint additional members, remove members (with or without cause) and substitute new members, fill vacancies (however caused), and remove all members of the Committee and thereafter directly administer the Plan, all to the extent permitted by the rules under Rule 16b-3 relating to the disinterested administration of employee benefit plans under which Section 16(b) exempt discretionary grants and awards of equity securities are to be made.

(iii) Administration With Respect to Other Persons.

With respect to Option or Stock Purchase Right grants made to Employees or Consultants who are neither Directors nor Officers of the Company, the Plan shall be administered by (A) the Board or (B) a committee designated by the Board, which committee shall be constituted to satisfy Applicable Laws. Once appointed, such Committee shall serve in its designated capacity until otherwise directed by the Board. The Board may increase the size of the Committee and appoint additional members, remove members (with or without cause) and substitute new members, fill vacancies (however caused), and remove all members of the Committee and thereafter directly administer the Plan, all to the extent permitted by Applicable Laws.

(b) Powers of the Administrator. Subject to the provisions of the Plan, and in the case of a Committee, subject to the specific duties delegated by the Board to such Committee, the Administrator shall have the authority, in its discretion:

(i) to determine the Fair Market Value of the Common Stock, in accordance with Section 2(n) of the Plan;

(ii) to select the Consultants and Employees to whom Options and Stock Purchase Rights may be granted hereunder;

(iii) to determine whether and to what extent Options and Stock Purchase Rights or any combination thereof, are granted hereunder;

(iv) to determine the number of shares of Common Stock to be covered by each Option and Stock Purchase Right granted hereunder;

(v) to approve forms of agreement for use under the Plan;

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(vi) to determine the terms and conditions, not inconsistent with the terms of the Plan, of any award granted hereunder. Such terms and conditions include, but are not limited to, the exercise price, the time or times when Options or Stock Purchase Rights may be exercised (which may be based on performance criteria), any vesting acceleration or waiver of forfeiture restrictions, and any restriction or limitation regarding any Option or Stock Purchase Right or the shares of Common Stock relating thereto, based

in each case on such factors as the Administrator, in its sole discretion, shall determine;

(vii) to reduce the exercise price of any Option or Stock Purchase Right to the then current Fair Market Value if the Fair Market Value of the Common Stock covered by such Option or Stock Purchase Right shall have declined since the date the Option or Stock Purchase Right was granted;

(viii) to construe and interpret the terms of the Plan and awards granted pursuant to the Plan;

(ix) to prescribe, amend and rescind rules and regulations relating to the Plan, including rules and regulations relating to sub-plans established for the purpose of qualifying for preferred tax treatment under foreign tax laws;

(x) to modify or amend each Option or Stock Purchase Right (subject to Section 15(c) of the Plan), including the discretionary authority to extend the post-termination exercisability period of Options longer than is otherwise provided for in the Plan;

(xi) to authorize any person to execute on behalf of the Company any instrument required to effect the grant of an Option or Stock Purchase Right previously granted by the Administrator;

(xii) to institute an Option Exchange Program;

(xiii) to determine the terms and restrictions applicable to Options and Stock Purchase Rights and any Restricted Stock; and

(xiv) to make all other determinations deemed necessary or advisable for administering the Plan.

(c) Effect of Administrator's Decision. The Administrator's decisions, determinations and interpretations shall be final and binding on all Optionees and any other holders of Options or Stock Purchase Rights.

5. Eligibility. Nonstatutory Stock Options and Stock Purchase Rights may be granted to Employees and Consultants. Incentive Stock Options may be granted only to Employees. If

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otherwise eligible, an Employee or Consultant who has been granted an Option or Stock Purchase Right may be granted additional Options or Stock Purchase Rights.

6. Limitations.

(a) Each Option shall be designated in the Notice of Grant as either an Incentive Stock Option or a Nonstatutory Stock Option. However, notwithstanding such designations, to the extent that the aggregate Fair Market Value:

(i) of Shares subject to an Optionee's Incentive Stock Options granted by the Company, any Parent or Subsidiary, which

(ii) become exercisable for the first time during any calendar year (under all plans of the Company or any Parent or Subsidiary)

exceeds \$100,000, such excess Options shall be treated as Nonstatutory Stock Options. For purposes of this Section 6(a), Incentive Stock Options shall be taken into account in the order in which they were granted, and the Fair Market Value of the Shares shall be determined as of the time of grant.

(b) Neither the Plan nor any Option or Stock Purchase Right shall confer upon an Optionee any right with respect to continuing the Optionee's employment or consulting relationship with the Company, nor shall

they interfere in any way with the Optionee's right or the Company's right to terminate such employment or consulting relationship at any time, with or without cause.

(c) The following limitations shall apply to grants of Options and Stock Purchase Rights to Employees:

(i) No Employee shall be granted, in any fiscal year of the Company, Options and Stock Purchase Rights to purchase more than 300,000 Shares.

(ii) The foregoing limitations shall be adjusted proportionately in connection with any change in the Company's capitalization as described in Section 13.

(iii) If an Option or Stock Purchase Right is canceled in the same fiscal year of the Company in which it was granted (other than in connection with a transaction described in Section 13), the canceled Option or Stock Purchase Right will be counted against the limit set forth in Section 6(c)(i). For this purpose, if the exercise price of an Option or Stock Purchase Right is reduced, the transaction will be treated as a cancellation of the Option or Stock Purchase Right and the grant of a new Option or Stock Purchase Right.

7. Term of Plan. Subject to Section 19 of the Plan, the Plan shall become effective upon the earlier to occur of its adoption by the Board or its approval by the stockholders of the Company

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as described in Section 19 of the Plan. It shall continue in effect for a term of ten (10) years unless terminated earlier under Section 15 of the Plan.

8. Term of Option. The term of each Option shall be stated in the Notice of Grant; provided, however, that in the case of an Incentive Stock Option, the term shall be ten (10) years from the date of grant or such shorter term as may be provided in the Notice of Grant. Moreover, in the case of an Incentive Stock Option granted to an Optionee who, at the time the Incentive Stock Option is granted, owns stock representing more than ten percent (10%) of the voting power of all classes of stock of the Company or any Parent or Subsidiary, the term of the Incentive Stock Option shall be five (5) years from the date of grant or such shorter term as may be provided in the Notice of Grant.

9. Option Exercise Price and Consideration.

(a) Exercise Price. The per share exercise price for the Shares to be issued pursuant to exercise of an Option shall be determined by the Administrator, subject to the following:

(i) In the case of an Incentive Stock Option

(A) granted to an Employee who, at the time the Incentive Stock Option is granted, owns stock representing more than ten percent (10%) of the voting power of all classes of stock of the Company or any Parent or Subsidiary, the per Share exercise price shall be no less than 110% of the Fair Market Value per Share on the date of grant.

(B) granted to any Employee other than an Employee described in paragraph (A) immediately above, the per Share exercise price shall be no less than 100% of the Fair Market Value per Share on the date of grant.

(ii) In the case of a Nonstatutory Stock Option, the per Share exercise price shall be determined by the Administrator.

(b) Waiting Period and Exercise Dates. At the time an Option is granted, the Administrator shall fix the period within which the Option may be exercised and shall determine any conditions which must be

satisfied before the Option may be exercised. In so doing, the Administrator may specify that an Option may not be exercised until the completion of a service period.

(c) Form of Consideration. The Administrator shall determine the acceptable form of consideration for exercising an Option, including the method of payment. In the case of an Incentive Stock Option, the Administrator shall determine the acceptable form of consideration at the time of grant. Such consideration may consist entirely of:

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- (i) cash;
- (ii) check;
- (iii) promissory note;

(iv) other Shares which (A) in the case of Shares acquired upon exercise of an option, have been owned by the Optionee for more than six months on the date of surrender, and (B) have a Fair Market Value on the date of surrender equal to the aggregate exercise price of the Shares as to which said Option shall be exercised;

(v) delivery of a properly executed exercise notice together with such other documentation as the Administrator and the broker, if applicable, shall require to effect an exercise of the Option and delivery to the Company of the sale or loan proceeds required to pay the exercise price;

(vi) a reduction in the amount of any Company liability to the Optionee, including any liability attributable to the Optionee's participation in any Company-sponsored deferred compensation program or arrangement;

(vii) any combination of the foregoing methods of payment; or

(viii) such other consideration and method of payment for the issuance of Shares to the extent permitted by Applicable Laws.

10. Exercise of Option.

(a) Procedure for Exercise; Rights as a Stockholder. Any Option granted hereunder shall be exercisable according to the terms of the Plan and at such times and under such conditions as determined by the Administrator and set forth in the Option Agreement.

An Option may not be exercised for a fraction of a Share.

An Option shall be deemed exercised when the Company receives: (i) written notice of exercise (in accordance with the Option Agreement) from the person entitled to exercise the Option, and (ii) full payment for the Shares with respect to which the Option is exercised. Full payment may consist of any consideration and method of payment authorized by the Administrator and permitted by the Option Agreement and the Plan. Shares issued upon exercise of an Option shall be issued in the name of the Optionee or, if requested by the Optionee, in the name of the Optionee and his or her spouse. Until the stock certificate evidencing such Shares is issued (as evidenced by the appropriate entry on the books of the Company or of a duly authorized transfer agent of the Company), no right to vote or receive dividends or any other rights as a stockholder shall exist with

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respect to the Optioned Stock, notwithstanding the exercise of the Option. The Company shall issue (or cause to be issued) such stock certificate promptly after the Option is exercised. No adjustment will be made for a dividend or other right for which the record date is prior to the date the stock certificate is issued, except as provided in Section 13 of the Plan.

Exercising an Option in any manner shall decrease the number of Shares thereafter available, both for purposes of the Plan and for sale under the Option, by the number of Shares as to which the Option is exercised.

(b) Termination of Employment or Consulting Relationship. Upon termination of an Optionee's Continuous Status as an Employee or Consultant, other than upon the Optionee's death or Disability, the Optionee may exercise his or her Option, but only within such period of time as is specified in the Notice of Grant, and only to the extent that the Optionee was entitled to exercise it at the date of termination (but in no event later than the expiration of the term of such Option as set forth in the Notice of Grant). In the absence of a specified time in the Notice of Grant, the Option shall remain exercisable for three months following the Optionee's termination of Continuous Status as an Employee or Consultant. In the case of an Incentive Stock Option, such period of time shall not exceed three months from the date of termination. If, at the date of termination, the Optionee is not entitled to exercise his or her entire Option, the Shares covered by the unexercisable portion of the Option shall revert to the Plan. If, after termination, the Optionee does not exercise his or her Option within the time specified by the Administrator, the Option shall terminate, and the Shares covered by such Option shall revert to the Plan.

(c) Disability of Optionee. In the event that an Optionee's Continuous Status as an Employee or Consultant terminates as a result of the Optionee's Disability, the Optionee may exercise his or her Option at any time within twelve (12) months from the date of such termination, but only to the extent that the Optionee was entitled to exercise it at the date of such termination (but in no event later than the expiration of the term of such Option as set forth in the Notice of Grant). If, at the date of termination, the Optionee is not entitled to exercise his or her entire Option, the Shares covered by the unexercisable portion of the Option shall revert to the Plan. If, after termination, the Optionee does not exercise his or her Option within the time specified herein, the Option shall terminate, and the Shares covered by such Option shall revert to the Plan.

(d) Death of Optionee. In the event of the death of an Optionee, the Option may be exercised at any time within twelve (12) months following the date of death (but in no event later than the expiration of the term of such Option as set forth in the Notice of Grant), by the Optionee's estate or by a person who acquired the right to exercise the Option by bequest or inheritance, but only to the extent that the Optionee was entitled to exercise the Option at the date of death. If, at the time of death, the Optionee was not entitled to exercise his or her entire Option, the Shares covered by the unexercisable portion of the Option shall immediately revert to the Plan. If, after death, the Optionee's estate or a person who acquired the right to exercise the Option by bequest or inheritance

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does not exercise the Option within the time specified herein, the Option shall terminate, and the Shares covered by such Option shall revert to the Plan.

(e) Rule 16b-3. Options granted to individuals subject to Section 16 of the Exchange Act ("Insiders") must comply with the applicable provisions of Rule 16b-3 and shall contain such additional conditions or restrictions as may be required thereunder to qualify for the maximum exemption from Section 16 of the Exchange Act with respect to Plan transactions.

11. Stock Purchase Rights.

(a) Rights to Purchase. Stock Purchase Rights may be issued either alone, in addition to, or in tandem with other awards granted under the Plan and/or cash awards made outside of the Plan. After the Administrator determines that it will offer Stock Purchase Rights under the Plan, it shall advise the offeree in writing, by means of a Notice of Grant, of the terms, conditions and restrictions related to the offer, including the number of Shares that the offeree shall be entitled to purchase, the price to be paid, and the time within which the offeree must accept such offer, which shall in no event exceed six (6) months from the date upon which the Administrator made the determination to grant the Stock Purchase Right. The offer shall be accepted by execution of a Restricted Stock Purchase Agreement in the form determined by the Administrator.

(b) Repurchase Option. Unless the Administrator determines otherwise, the Restricted Stock Purchase Agreement shall grant the Company a repurchase option exercisable upon the voluntary or involuntary termination of the purchaser's employment with the Company for any reason (including death or Disability). The purchase price for Shares repurchased pursuant to the Restricted Stock purchase agreement shall be the original price paid by the purchaser and may be paid by cancellation of any indebtedness of the purchaser to the Company. The repurchase option shall lapse at a rate determined by the Administrator.

(c) Rule 16b-3. Stock Purchase Rights granted to Insiders, and Shares purchased by Insiders in connection with Stock Purchase Rights, shall be subject to any restrictions applicable thereto in compliance with Rule 16b-3. An Insider may only purchase Shares pursuant to the grant of a Stock Purchase Right, and may only sell Shares purchased pursuant to the grant of a Stock Purchase Right, during such time or times as are permitted by Rule 16b-3.

(d) Other Provisions. The Restricted Stock Purchase Agreement shall contain such other terms, provisions and conditions not inconsistent with the Plan as may be determined by the Administrator in its sole discretion. In addition, the provisions of Restricted Stock Purchase Agreements need not be the same with respect to each purchaser.

(e) Rights as a Stockholder. Once the Stock Purchase Right is exercised, the purchaser shall have the rights equivalent to those of a stockholder, and shall be a stockholder when his or her purchase is entered upon the records of the duly authorized transfer agent of the Company.

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No adjustment will be made for a dividend or other right for which the record date is prior to the date the Stock Purchase Right is exercised, except as provided in Section 13 of the Plan.

12. Non-Transferability of Options and Stock Purchase Rights. An Option or Stock Purchase Right may not be sold, pledged, assigned, hypothecated, transferred, or disposed of in any manner other than by will or by the laws of descent or distribution and may be exercised, during the lifetime of the Optionee, only by the Optionee.

13. Adjustments Upon Changes in Capitalization, Dissolution, Merger or Asset Sale.

(a) Changes in Capitalization. Subject to any required action by the stockholders of the Company, the number of shares of Common Stock covered by each outstanding Option and Stock Purchase Right, and the number of shares of Common Stock which have been authorized for issuance under the Plan but as to which no Options or Stock Purchase Rights have yet been granted or which have been returned to the Plan upon cancellation or expiration of an Option or Stock Purchase Right, as well as the price per share of Common Stock covered by each such outstanding Option or Stock Purchase Right, shall be proportionately adjusted for any increase or decrease in the number of issued shares of Common Stock resulting from a stock split, reverse stock split, stock

dividend, combination or reclassification of the Common Stock, or any other increase or decrease in the number of issued shares of Common Stock effected without receipt of consideration by the Company; provided, however, that conversion of any convertible securities of the Company shall not be deemed to have been "effected without receipt of consideration." Such adjustment shall be made by the Board, whose determination in that respect shall be final, binding and conclusive. Except as expressly provided herein, no issuance by the Company of shares of stock of any class, or securities convertible into shares of stock of any class, shall affect, and no adjustment by reason thereof shall be made with respect to, the number or price of shares of Common Stock subject to an Option or Stock Purchase Right.

(b) Dissolution or Liquidation. In the event of the proposed dissolution or liquidation of the Company, to the extent that an Option or Stock Purchase Right has not been previously exercised, it will terminate immediately prior to the consummation of such proposed action. The Board may, in the exercise of its sole discretion in such instances, declare (i) that any Option or Stock Purchase Right shall terminate as of a date fixed by the Board and give each Optionee the right to exercise his or her Option or Stock Purchase Right as to all or any part of the Optioned Stock, including Shares as to which the Option or Stock Purchase Right would not otherwise be exercisable, and (ii) that any Restricted Stock held by an Optionee shall become fully vested as of such date.

(c) Merger or Asset Sale. In the event of a merger of the Company with or into another corporation, or the sale of substantially all of the assets of the Company, each outstanding Option and Stock Purchase Right may be assumed or an equivalent option or right may be substituted by the successor corporation or a Parent or Subsidiary of the successor corporation. The

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Administrator may, in lieu of such assumption or substitution, provide (i) for the Optionee to have the right to exercise the Option or Stock Purchase Right as to all or a portion of the Optioned Stock, including Shares as to which it would not otherwise be exercisable, and (ii) for any Restricted Stock held by an Optionee to become fully vested. If the Administrator makes an Option or Stock Purchase Right exercisable in lieu of assumption or substitution in the event of a merger or sale of assets, the Administrator shall notify the Optionee that the Option or Stock Purchase Right shall be fully exercisable for a period of fifteen (15) days from the date of such notice, and the Option or Stock Purchase Right will terminate upon the expiration of such period. For the purposes of this paragraph, the Option or Stock Purchase Right shall be considered assumed if, following the merger or sale of assets, the option or right confers the right to purchase, for each Share of Optioned Stock subject to the Option or Stock Purchase Right immediately prior to the merger or sale of assets, the consideration (whether stock, cash, or other securities or property) received in the merger or sale of assets by holders of Common Stock for each Share held on the effective date of the transaction (and if holders were offered a choice of consideration, the type of consideration chosen by the holders of a majority of the outstanding Shares); provided, however, that if such consideration received in the merger or sale of assets was not solely common stock of the successor corporation or its Parent, the Administrator may, with the consent of the successor corporation, provide for the consideration to be received upon the exercise of the Option or Stock Purchase Right, for each Share of Optioned Stock subject to the Option or Stock Purchase Right, to be solely common stock of the successor corporation or its Parent equal in fair market value to the per share consideration received by holders of Common Stock in the merger or sale of assets.

14. Date of Grant. The date of grant of an Option or Stock Purchase Right shall be, for all purposes, the date on which the Administrator makes the determination granting such Option or Stock Purchase Right, or such other later date as is determined by the Administrator. Notice of the determination shall be provided to each Optionee within a reasonable time after the date of such grant.

15. Amendment and Termination of the Plan.

(a) Amendment and Termination. The Board may at any time amend, alter, suspend or terminate the Plan.

(b) Stockholder Approval. The Company shall obtain stockholder approval of any Plan amendment to the extent necessary and desirable to comply with Rule 16b-3 or with Section 422 of the Code (or any successor rule or statute or other applicable law, rule or regulation, including the requirements of any exchange or quotation system on which the Common Stock is listed or quoted). Such stockholder approval, if required, shall be obtained in such a manner and to such a degree as is required by the applicable law, rule or regulation.

(c) Effect of Amendment or Termination. No amendment, alteration, suspension or termination of the Plan shall impair the rights of any Optionee, unless mutually agreed otherwise

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between the Optionee and the Administrator, which agreement must be in writing and signed by the Optionee and the Company.

16. Conditions Upon Issuance of Shares.

(a) Legal Compliance. Shares shall not be issued pursuant to the exercise of an Option or Stock Purchase Right unless the exercise of such Option or Stock Purchase Right and the issuance and delivery of such Shares shall comply with all relevant provisions of law, including, without limitation, the Securities Act of 1933, as amended, the Exchange Act, the rules and regulations promulgated thereunder, Applicable Laws, and the requirements of any stock exchange or quotation system upon which the Shares may then be listed or quoted, and shall be further subject to the approval of counsel for the Company with respect to such compliance.

(b) Investment Representations. As a condition to the exercise of an Option or Stock Purchase Right, the Company may require the person exercising such Option or Stock Purchase Right to represent and warrant at the time of any such exercise that the Shares are being purchased only for investment and without any present intention to sell or distribute such Shares if, in the opinion of counsel for the Company, such a representation is required.

17. Liability of Company.

(a) Inability to Obtain Authority. The inability of the Company to obtain authority from any regulatory body having jurisdiction, which authority is deemed by the Company's counsel to be necessary to the lawful issuance and sale of any Shares hereunder, shall relieve the Company of any liability in respect of the failure to issue or sell such Shares as to which such requisite authority shall not have been obtained.

(b) Grants Exceeding Allotted Shares. If the Optioned Stock covered by an Option or Stock Purchase Right exceeds, as of the date of grant, the number of Shares which may be issued under the Plan without additional stockholder approval, such Option or Stock Purchase Right shall be void with respect to such excess Optioned Stock, unless stockholder approval of an amendment sufficiently increasing the number of Shares subject to the Plan is timely obtained in accordance with Section 15(b) of the Plan.

18. Reservation of Shares. The Company, during the term of this Plan, will at all times reserve and keep available such number of Shares as shall be sufficient to satisfy the requirements of the Plan.

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19. Stockholder Approval. Continuance of the Plan shall be subject to approval by the stockholders of the Company within twelve (12) months before or after the date the Plan is adopted. Such stockholder approval shall be obtained in the manner and to the degree required under applicable federal and state law.

CONSENT OF INDEPENDENT ACCOUNTANTS

We hereby consent to the incorporation by reference in this Registration Statement on Form S-8 of our report dated January 21, 1997, which appears on page 36 of the 1996 Annual Report to Shareholders of Harmonic Lightwaves, Inc., which is incorporated by reference in the Annual Report on Form 10-K of Harmonic Lightwaves, Inc. for the year ended December 31, 1996.

PRICE WATERHOUSE LLP
San Jose, California
October 10, 1997