

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer or a small reporting company. (Check one):

Large accelerated filer Accelerated filer T
 Non-accelerated filer (Do not check if a smaller reporting company) Smaller reporting company

CALCULATION OF REGISTRATION FEE

Title of Securities to be Registered	Amount to be Registered (1)	Proposed Maximum Offering Price per Share (3)	Proposed Maximum Aggregate Offering Price (3)	Amount of Registration Fee (3)
Ordinary Shares, par value New Israeli Shekel ("NIS") 0.10 per share ("Ordinary Shares")	250,000 (2)	\$ 4.72	\$ 1,180,000	\$ 137

(1) Pursuant to Rule 416(a) under the Securities Act of 1933, as amended (the "Securities Act"), this Registration Statement also covers such indeterminate number of Ordinary Shares as may be offered or issued to prevent dilution resulting from stock splits, stock dividends, or similar transactions pursuant to the terms of the 2016 Incentive Compensation Plan (the "2016 Plan").

(2) Represents an automatic increase to the number of shares available for issuance under the 2016 Plan effective January 1, 2017.

(3) Calculated in accordance with Rule 457(h)(1) and 457(c) promulgated under the Securities Act, based on the average of the high and low prices (which was \$ 4.74 and \$ 4.70, respectively) of the registrant's Ordinary Shares on the NASDAQ Global Select Market on March 20, 2017.

EXPLANATORY NOTE

Effective October 28, 2016, the Board of Directors of Allot Communications Ltd. (the “Company,” the “Registrant” or “Allot Communications”) approved an amendment to the Allot Communications Ltd. 2006 Incentive Compensation Plan (the “2006 Plan”) to extend the term of the 2006 Plan by 10 years and to rename the 2006 Plan as the Allot Communications Ltd. 2016 Incentive Compensation Plan (the “2016 Plan”). This Registration Statement is being filed to register an additional 250,000 ordinary shares, par value NIS 0.10 per share (“Ordinary Shares”), of the Company issuable pursuant to the 2016 Plan, representing an automatic increase effective as of January 1, 2017.

In accordance with General Instruction E of Form S-8, the contents of the Registrant’s Registration Statement on Form S-8 (File No. 333-140701), filed with the Securities and Exchange Commission (the “Commission”) on February 14, 2007, as supplemented, amended or superseded by the Registrant’s Registration Statements on Form S-8 (File Nos. 333-149237, 333-159306, 333-165144, 333-172492, 333-180770, 333-187406, 333-194833, 333-203028, and 333-210420) filed with the Commission on February 14, 2008, May 18, 2009, March 2, 2010, February 28, 2011, April 17, 2012, March 21, 2013, March 27, 2014, March 26, 2015, and March 28, 2016, respectively, are incorporated herein by reference and the information required by Part II is omitted, except as supplemented by the information set forth below. References to “we”, “our” or “us” below refer to Allot Communications Ltd. and its consolidated subsidiaries.

PART II

Information Required in the Registration Statement

Item 3. Incorporation of Documents by Reference.

We hereby incorporate by reference the following documents (or portions thereof) that we have filed with or furnished to the Commission:

- (a) Our Annual Report on Form 20-F for the year ended December 31, 2016, filed with the Commission pursuant to Section 12(g) of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), on March 23, 2017.
- (b) Our Report of Foreign Private Issuer on Form 6-K, filed with the Commission on March 15, 2017.

The description of our Ordinary Shares under “Item 1. Description of Registrant’s Securities to be Registered” in our (c) registration statement on Form 8-A (File No. 001-33129), filed with the Commission on November 3, 2006, including any subsequent amendment or any report filed for purposes of updating such description.

All other documents filed by us pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act and, to the extent specifically designated therein, Reports of Foreign Private Issuer on Form 6-K furnished by us to the Commission that are identified in such forms as being incorporated into this Registration Statement, in each case, subsequent to the effective date of this Registration Statement and prior to the filing of a post-effective amendment to this Registration Statement indicating that all securities offered hereunder have been sold, or deregistering all securities then remaining unsold, are also incorporated herein by reference and shall be a part hereof from the date of the filing or furnishing of such documents.

Any statement contained in a document incorporated or deemed incorporated by reference herein shall be deemed to be modified or superseded for purposes hereof to the extent that a statement contained herein or in any other subsequently filed document which also is or is deemed to be incorporated by reference herein modifies or supersedes such statement. Any statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this Registration Statement.

Item 8. Exhibits.

The exhibits listed on the exhibit index at the end of this Registration Statement are included in this Registration Statement.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, the Registrant 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 Hod-Hasharon, Israel on March 23, 2017.

Allot Communications Ltd.

By: /s/ Erez Antebi

Name: Erez Antebi

Title: Chief Executive Officer and President

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS that the undersigned officers and directors of Allot Communications Ltd., a company organized under the laws of the State of Israel, do hereby constitute and appoint Erez Antebi and Alberto Sessa, and each of them severally, their lawful attorneys-in-fact and agents with full power and authority to do any and all acts and things and to execute any and all instruments which said attorneys and agents, and any one of them, determine may be necessary or advisable or required to enable said corporation to comply with the Securities Act of 1933, as amended, and any rules or regulations or requirements of the Securities and Exchange Commission in connection with this Registration Statement. Without limiting the generality of the foregoing power and authority, the powers granted include the power and authority to sign the names of the undersigned officers and directors in the capacities indicated below to this Registration Statement, to any and all amendments, both pre-effective and post-effective, and supplements to this Registration Statement and to any and all instruments or documents filed as part of or in conjunction with such registration statements or amendments or supplements thereof and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, and each of the undersigned hereby ratifies and confirms that all said attorneys and agents, or any one of them, shall do or cause to be done by virtue hereof. This Power of Attorney may be signed in several counterparts.

IN WITNESS WHEREOF, each of the undersigned has executed this Power of Attorney as of the date indicated.

Pursuant to the requirements of the Securities Act of 1933, as amended, this Registration Statement has been signed below by the following persons in the capacities and on the dates indicated.

[Signature Page to Follow]

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<u>Signature</u>	<u>Title of Capacities</u>	<u>Date</u>
<u>/s/ Erez Antebi</u> Erez Antebi	Chief Executive Officer and President (Principal Executive Officer)	March 23, 2017
<u>/s/ Alberto Sessa</u> Alberto Sessa	Chief Financial Officer (Principal Financial Officer)	March 23, 2017
<u>/s/ Yigal Jacoby</u> Yigal Jacoby	Chairman of the Board of Directors	March 23, 2017
<u>/s/ Rami Hadar</u> Rami Hadar	Director	March 23, 2017
<u>/s/ Itzhak Danziger</u> Itzhak Danziger	Director	March 23, 2017
<u>/s/ Nurit Benjamini</u> Nurit Benjamini	Director	March 23, 2017
<u>/s/ Steven D. Levy</u> Steven D. Levy	Director	March 23, 2017
<u>/s/ Miron Kenneth</u> Miron Kenneth	Director	March 23, 2017
<u>/s/ Nadav Zohar</u> Nadav Zohar	Director	March 23, 2017

AUTHORIZED REPRESENTATIVE IN THE UNITED STATES:

Allot Communications USA, Inc.

By: /s/ Erez Antebi
Erez Antebi
Title: Director, Allot Communications, Inc.

Date: March 23, 2017

[Signatures to Power Of Attorney to Allot Communications Form S-8 Registration Statement]

EXHIBIT INDEX

<u>Exhibit Number</u>	<u>Exhibit</u>
4.1	Allot Communications Ltd. 2016 Incentive Compensation Plan (1)
4.2	Israeli Subplan (Appendix A) of the 2016 Incentive Compensation Plan, as amended and restated (2)
4.3	US Subplan (Appendix B) of the 2016 Incentive Compensation Plan, as amended and restated (3)
4.4	Articles of Association of the Registrant (4)
4.5	Specimen ordinary share certificate of the Registrant (5)
5	Opinion of Goldfarb Seligman & Co. as to the legality of Allot Communications Ltd.'s Ordinary Shares being registered
23.1	Consent of Kost Forer Gabbay & Kasierer, a member of Ernst & Young Global
23.2	Consent of Goldfarb Seligman & Co., Israeli counsel to the Registrant (included in Exhibit 5)
24	Power of Attorney (included on the signature page of this Registration Statement)

(1) Previously filed with the Securities and Exchange Commission on March 23, 2017 as Exhibit 4.2 to the Company's Form 20-F for the year ended December 31, 2016 and incorporated by reference herein.

(2) Previously filed with the Securities and Exchange Commission on March 23, 2017 as Exhibit 4.3 to the Company's Form 20-F for the year ended December 31, 2016 and incorporated by reference herein.

(3) Previously filed with the Securities and Exchange Commission on March 23, 2017 as Exhibit 4.4 to the Company's Form 20-F for the year ended December 31, 2016 and incorporated by reference herein.

(4) Previously filed with the Securities and Exchange Commission on March 26, 2014 as Exhibit 1.1 to the Company's Form 20-F for the year ended December 31, 2013 and incorporated by reference herein.

(5) Previously filed with the Securities and Exchange Commission on October 31, 2006 as Exhibit 4.1 to the Company's F-1 Registration Statement (File No. 333-138313) and incorporated by reference herein.
