

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

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SCHEDULE 13G/A

Under the Securities Exchange Act of 1934  
(Amendment No. 1)\*

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**Quantenna Communications, Inc.**

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(Name of Issuer)

**Common Stock, \$0.0001 par value**

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(Title of Class of Securities)

**74766D 100**

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(CUSIP Number)

**December 31, 2017**

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(Date of Event Which Requires Filing of this Statement)

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Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)  
 Rule 13d-1(c)  
 Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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1. Name of Reporting Persons  
 Venrock Associates IV, L.P.

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2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)  (1)

(b)

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3. SEC Use Only

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4. Citizenship or Place of Organization  
 Delaware

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5. Sole Voting Power  
 0

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Number of Shares Beneficially Owned by Each Reporting Person With:

6. Shared Voting Power  
 1,753,269(2)

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7. Sole Dispositive Power  
 0

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8. Shared Dispositive Power  
 1,753,269(2)

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9. Aggregate Amount Beneficially Owned by Each Reporting Person  
 1,753,269(2)

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10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

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11. Percent of Class Represented by Amount in Row (9)  
 4.98%(3)

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12. Type of Reporting Person (See Instructions)  
 PN

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- 
- (1) Venrock Associates IV, L.P. (“VA4”), Venrock Partners, L.P. (“VP”), Venrock Entrepreneurs Fund IV, L.P. (“VEF4”), Venrock Management IV, LLC (the general partner of VA4), Venrock Partners Management, LLC (the general partner of VP) and VEF Management IV, LLC (the general partner of VEF4) are members of a group for purposes of this Schedule 13G/A.
  - (2) Consists of 1,427,167 shares of common stock owned by VA4, 291,041 shares of common stock owned by VP and 35,061 shares of common stock owned by VEF4.
  - (3) This percentage is calculated based upon 35,220,966 shares of the Issuer’s common stock outstanding as of November 3, 2017, as reported in the Issuer’s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 7, 2017.

1. Name of Reporting Persons  
 Venrock Partners, L.P.

---

2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)  (1)

(b)

---

3. SEC Use Only

---

4. Citizenship or Place of Organization  
 Delaware

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Number of Shares Beneficially Owned by Each Reporting Person With:	5.	Sole Voting Power 0
	6.	Shared Voting Power 1,753,269(2)
	7.	Sole Dispositive Power 0
	8.	Shared Dispositive Power 1,753,269(2)

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9. Aggregate Amount Beneficially Owned by Each Reporting Person  
 1,753,269(2)

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10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

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11. Percent of Class Represented by Amount in Row (9)  
 4.98%(3)

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12. Type of Reporting Person (See Instructions)  
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  - (2) Consists of 1,427,167 shares of common stock owned by VA4, 291,041 shares of common stock owned by VP and 35,061 shares of common stock owned by VEF4.
  - (3) This percentage is calculated based upon 35,220,966 shares of the Issuer’s common stock outstanding as of November 3, 2017, as reported in the Issuer’s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 7, 2017.

1. Name of Reporting Persons  
 Venrock Entrepreneurs Fund IV, L.P.

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2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)  (1)

(b)

---

3. SEC Use Only

---

4. Citizenship or Place of Organization  
 Delaware

---

5. Sole Voting Power  
 0

---

Number of Shares Beneficially Owned by Each Reporting Person With:

6. Shared Voting Power  
 1,753,269(2)

---

7. Sole Dispositive Power  
 0

---

8. Shared Dispositive Power  
 1,753,269(2)

---

9. Aggregate Amount Beneficially Owned by Each Reporting Person  
 1,753,269(2)

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10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

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11. Percent of Class Represented by Amount in Row (9)  
 4.98%(3)

---

12. Type of Reporting Person (See Instructions)  
 PN

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- (1) Venrock Associates IV, L.P. (“VA4”), Venrock Partners, L.P. (“VP”), Venrock Entrepreneurs Fund IV, L.P. (“VEF4”), Venrock Management IV, LLC (the general partner of VA4), Venrock Partners Management, LLC (the general partner of VP) and VEF Management IV, LLC (the general partner of VEF4) are members of a group for purposes of this Schedule 13G/A.
- (2) Consists of 1,427,167 shares of common stock owned by VA4, 291,041 shares of common stock owned by VP and 35,061 shares of common stock owned by VEF4.
- (3) This percentage is calculated based upon 35,220,966 shares of the Issuer’s common stock outstanding as of November 3, 2017, as reported in the Issuer’s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 7, 2017.

1. Name of Reporting Persons  
 Venrock Management IV, LLC

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2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)  (1)

(b)

---

3. SEC Use Only

---

4. Citizenship or Place of Organization  
 Delaware

---

5. Sole Voting Power  
 0

---

Number of  
 Shares  
 Beneficially  
 Owned by  
 Each  
 Reporting  
 Person With:

6. Shared Voting Power  
 1,753,269(2)

---

7. Sole Dispositive Power  
 0

---

8. Shared Dispositive Power  
 1,753,269(2)

---

9. Aggregate Amount Beneficially Owned by Each Reporting Person  
 1,753,269(2)

---

10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

---

11. Percent of Class Represented by Amount in Row (9)  
 4.98%(3)

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12. Type of Reporting Person (See Instructions)  
 OO

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- (1) Venrock Associates IV, L.P. (“VA4”), Venrock Partners, L.P. (“VP”), Venrock Entrepreneurs Fund IV, L.P. (“VEF4”), Venrock Management IV, LLC (the general partner of VA4), Venrock Partners Management, LLC (the general partner of VP) and VEF Management IV, LLC (the general partner of VEF4) are members of a group for purposes of this Schedule 13G/A.
  - (2) Consists of 1,427,167 shares of common stock owned by VA4, 291,041 shares of common stock owned by VP and 35,061 shares of common stock owned by VEF4.
  - (3) This percentage is calculated based upon 35,220,966 shares of the Issuer’s common stock outstanding as of November 3, 2017, as reported in the Issuer’s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 7, 2017.

1. Name of Reporting Persons  
 Venrock Partners Management, LLC

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2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)  (1)

(b)

---

3. SEC Use Only

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4. Citizenship or Place of Organization  
 Delaware

---

5. Sole Voting Power  
 0

---

Number of Shares Beneficially Owned by Each Reporting Person With:

6. Shared Voting Power  
 1,753,269(2)

---

7. Sole Dispositive Power  
 0

---

8. Shared Dispositive Power  
 1,753,269(2)

---

9. Aggregate Amount Beneficially Owned by Each Reporting Person  
 1,753,269(2)

---

10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

---

11. Percent of Class Represented by Amount in Row (9)  
 4.98%(3)

---

12. Type of Reporting Person (See Instructions)  
 OO

---

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- (1) Venrock Associates IV, L.P. (“VA4”), Venrock Partners, L.P. (“VP”), Venrock Entrepreneurs Fund IV, L.P. (“VEF4”), Venrock Management IV, LLC (the general partner of VA4), Venrock Partners Management, LLC (the general partner of VP) and VEF Management IV, LLC (the general partner of VEF4) are members of a group for purposes of this Schedule 13G/A.
  - (2) Consists of 1,427,167 shares of common stock owned by VA4, 291,041 shares of common stock owned by VP and 35,061 shares of common stock owned by VEF4.
  - (3) This percentage is calculated based upon 35,220,966 shares of the Issuer’s common stock outstanding as of November 3, 2017, as reported in the Issuer’s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 7, 2017.

1. Name of Reporting Persons  
VEF Management IV, LLC

2. Check the Appropriate Box if a Member of a Group (See Instructions)  
 (a)  (1)  
 (b)

3. SEC Use Only

4. Citizenship or Place of Organization  
Delaware

5. Sole Voting Power  
0

Number of Shares Beneficially Owned by Each Reporting Person With:  
 6. Shared Voting Power  
1,753,269(2)

7. Sole Dispositive Power  
0

8. Shared Dispositive Power  
1,753,269(2)

9. Aggregate Amount Beneficially Owned by Each Reporting Person  
1,753,269(2)

10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

11. Percent of Class Represented by Amount in Row (9)  
4.98%(3)

12. Type of Reporting Person (See Instructions)  
OO

- (1) Venrock Associates IV, L.P. (“VA4”), Venrock Partners, L.P. (“VP”), Venrock Entrepreneurs Fund IV, L.P. (“VEF4”), Venrock Management IV, LLC (the general partner of VA4), Venrock Partners Management, LLC (the general partner of VP) and VEF Management IV, LLC (the general partner of VEF4) are members of a group for purposes of this Schedule 13G/A.
- (2) Consists of 1,427,167 shares of common stock owned by VA4, 291,041 shares of common stock owned by VP and 35,061 shares of common stock owned by VEF4.
- (3) This percentage is calculated based upon 35,220,966 shares of the Issuer’s common stock outstanding as of November 3, 2017, as reported in the Issuer’s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 7, 2017.

Introductory Note: This Statement on Schedule 13G/A is filed on behalf of Venrock Associates IV, L.P., a limited partnership organized under the laws of the State of Delaware (“VA4”), Venrock Partners, L.P., a limited partnership organized under the laws of the State of Delaware (“VP”), Venrock Entrepreneurs Fund IV, L.P., a limited partnership organized under the laws of the State of Delaware (“VEF4”), Venrock Management IV, LLC, a limited liability company organized under the laws of the State of Delaware (“Venrock Management”), Venrock Partners Management, LLC, a limited liability company organized under the laws of the State of Delaware (“VP Management”), and VEF Management IV, LLC, a limited liability company organized under the laws of the State of Delaware (“VEF Management” and collectively with VA4, VP, VEF4, Venrock Management and VP Management, the “Venrock Entities”) in respect of shares of common stock of Quantenna Communications, Inc.

**Item 1.**

- (a) Name of Issuer  
Quantenna Communications, Inc.
- (b) Address of Issuer’s Principal Executive Offices  
1704 Automation Parkway  
San Jose, California 95131

**Item 2.**

- (a) Name of Person Filing  
Venrock Associates IV, L.P.  
Venrock Partners, L.P.  
Venrock Entrepreneurs Fund IV, L.P.  
Venrock Management IV, LLC  
Venrock Partners Management, LLC  
VEF Management IV, LLC
- (b) Address of Principal Business Office or, if none, Residence

New York Office:	Palo Alto Office:	Boston Office:
530 Fifth Avenue	3340 Hillview Avenue	34 Farnsworth Street
22nd Floor	Palo Alto, CA 94304	3rd Floor
New York, NY 10036		Boston, MA 02210

- (c) Citizenship  
Each of VA4, VP and VEF4 are limited partnerships organized in the State of Delaware. Each of Venrock Management, VP Management and VEF Management are limited liability companies organized in the State of Delaware.



(d) Title of Class of Securities  
 Common Stock, \$0.0001 par value

(e) CUSIP Number  
 74766D 100

**Item 3. If this statement is filed pursuant to §§240.13d-1(b), or 240.13d-2(b) or (c), check whether the person filing is a:**

Not applicable

**Item 4. Ownership**

(a) Amount beneficially owned as of December 31, 2017:

Venrock Associates IV, L.P.	1,753,269(1)
Venrock Partners, L.P.	1,753,269(1)
Venrock Entrepreneurs Fund IV, L.P.	1,753,269(1)
Venrock Management IV, LLC	1,753,269(1)
Venrock Partners Management, LLC	1,753,269(1)
VEF Management IV, LLC	1,753,269(1)

(b) Percent of class as of December 31, 2017:

Venrock Associates IV, L.P.	4.98%(2)
Venrock Partners, L.P.	4.98%(2)
Venrock Entrepreneurs Fund IV, L.P.	4.98%(2)
Venrock Management IV, LLC	4.98%(2)
Venrock Partners Management, LLC	4.98%(2)
VEF Management IV, LLC	4.98%(2)

(c) Number of shares as to which the person has, as of December 31, 2017:

(i) Sole power to vote or to direct the vote

Venrock Associates IV, L.P.	0
Venrock Partners, L.P.	0
Venrock Entrepreneurs Fund IV, L.P.	0
Venrock Management IV, LLC	0
Venrock Partners Management, LLC	0
VEF Management IV, LLC	0

(ii)	Shared power to vote or to direct the vote	
	Venrock Associates IV, L.P.	1,753,269(1)
	Venrock Partners, L.P.	1,753,269(1)
	Venrock Entrepreneurs Fund IV, L.P.	1,753,269(1)
	Venrock Management IV, LLC	1,753,269(1)
	Venrock Partners Management, LLC	1,753,269(1)
	VEF Management IV, LLC	1,753,269(1)
(iii)	Sole power to dispose or to direct the disposition of	
	Venrock Associates IV, L.P.	0
	Venrock Partners, L.P.	0
	Venrock Entrepreneurs Fund IV, L.P.	0
	Venrock Management IV, LLC	0
	Venrock Partners Management, LLC	0
	VEF Management IV, LLC	0
(iv)	Shared power to dispose or to direct the disposition of	
	Venrock Associates IV, L.P.	1,753,269(1)
	Venrock Partners, L.P.	1,753,269(1)
	Venrock Entrepreneurs Fund IV, L.P.	1,753,269(1)
	Venrock Management IV, LLC	1,753,269(1)
	Venrock Partners Management, LLC	1,753,269(1)
	VEF Management IV, LLC	1,753,269(1)

- (1) These shares are owned directly as follows: 1,427,167 shares are owned by VA4, 291,041 shares are owned by VP and 35,061 shares are owned by VEF4.
- (2) This percentage is calculated based upon 35,220,966 shares of the Issuer's common stock outstanding as of November 3, 2017, as reported in the Issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 7, 2017.

**Item 5. Ownership of Five Percent or Less of a Class**

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following.

**Item 6. Ownership of More than Five Percent on Behalf of Another Person**

Not Applicable

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person.**

Not Applicable

**Item 8. Identification and Classification of Members of the Group**

Not Applicable

**Item 9. Notice of Dissolution of a Group**

Not Applicable

**Item 10. Certification**

Not Applicable

**SIGNATURE**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this Statement is true, complete and correct.

Dated: February 13, 2018

**Venrock Associates IV, L.P.**

By: Venrock Management IV, LLC  
Its: General Partner

By: /s/ David Stepp  
Authorized Signatory

**Venrock Partners, L.P.**

By: Venrock Partners Management, LLC  
Its: General Partner

By: /s/ David Stepp  
Authorized Signatory

**Venrock Entrepreneurs Fund IV, L.P.**

By: VEF Management IV, LLC  
Its: General Partner

By: /s/ David Stepp  
Authorized Signatory

**Venrock Management IV, LLC**

By: /s/ David Stepp  
Authorized Signatory

**Venrock Partners Management, LLC**

By: /s/ David Stepp  
Authorized Signatory

**VEF Management IV, LLC**

By: /s/ David Stepp  
Authorized Signatory

**EXHIBITS**

A: Joint Filing Agreement (Incorporated by reference to Exhibit A to Schedule 13G filed on February 14, 2017).