



AmpliFi AFi-INS-R Instant Router User Guide

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AMPLIFI™

INSTANT

QUICK START GUIDE



Faster, Whole-Home Wi-Fi™
MODEL: AFi-INS-R

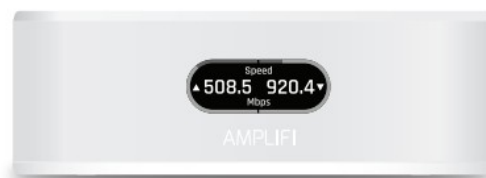
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Introduction

Thank you for purchasing the AmpliFi™ Instant Router.
This Quick Start Guide is designed to guide you through installation and also includes warranty terms.

Package Contents



AMPLIFI™ Router



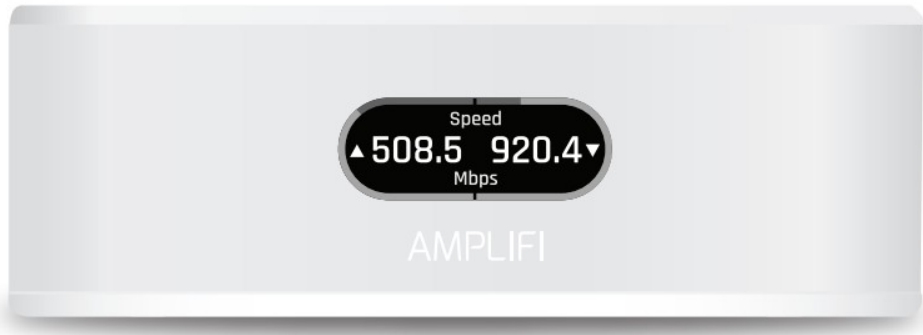
Power Adapter



Ethernet Cable

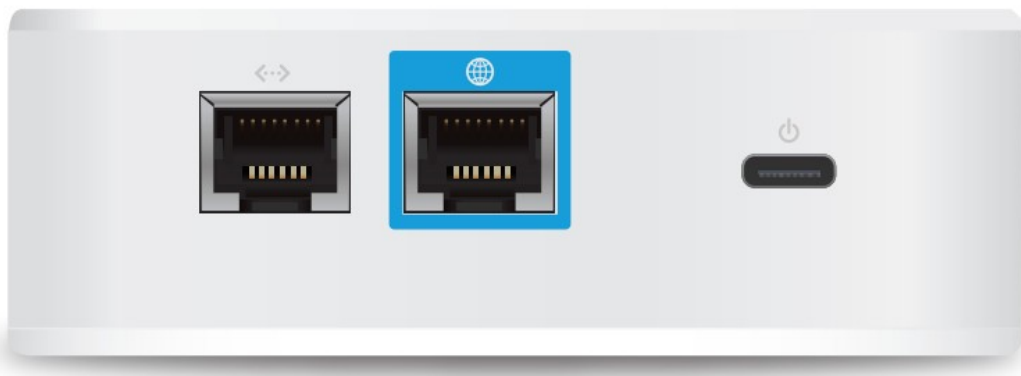
Hardware Overview

Router Front



	The front of the AmpliFi Router features a touchscreen display.
	The bottom of the AmpliFi Router features an adjustable LED that is fully lit by default when the Router is configured and ready for use.
	The brightness settings of the touchscreen and LED are configurable using the AmpliFi app .

Router Back



Gigabit Ethernet port available to connect a 10/100/1000 Mbps wired network device to the internet.



Connects to the broadband modem provided by your ISP (Internet Service Provider).



The Power Adapter connects to this port.

Installation

The AmpliFi Router can be installed using one of the following methods:

- AmpliFi app for iPhone®
- AmpliFi app for Android™
- Connecting to the default AmpliFi wireless network (SSID) from a computer or tablet.

App Users

Download and install the AmpliFi app from the App Store® or Google Play™ Store.



1. Launch the AmpliFi app.




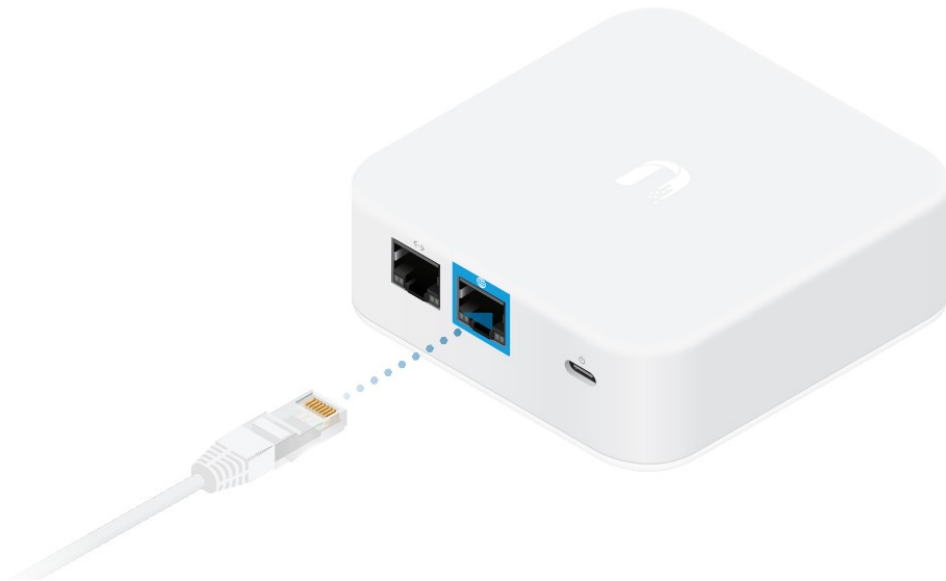
iPhone Users: Ensure that Bluetooth is enabled.

Android Users: Ensure that Wi-Fi is enabled.

2. Power off your broadband modem.



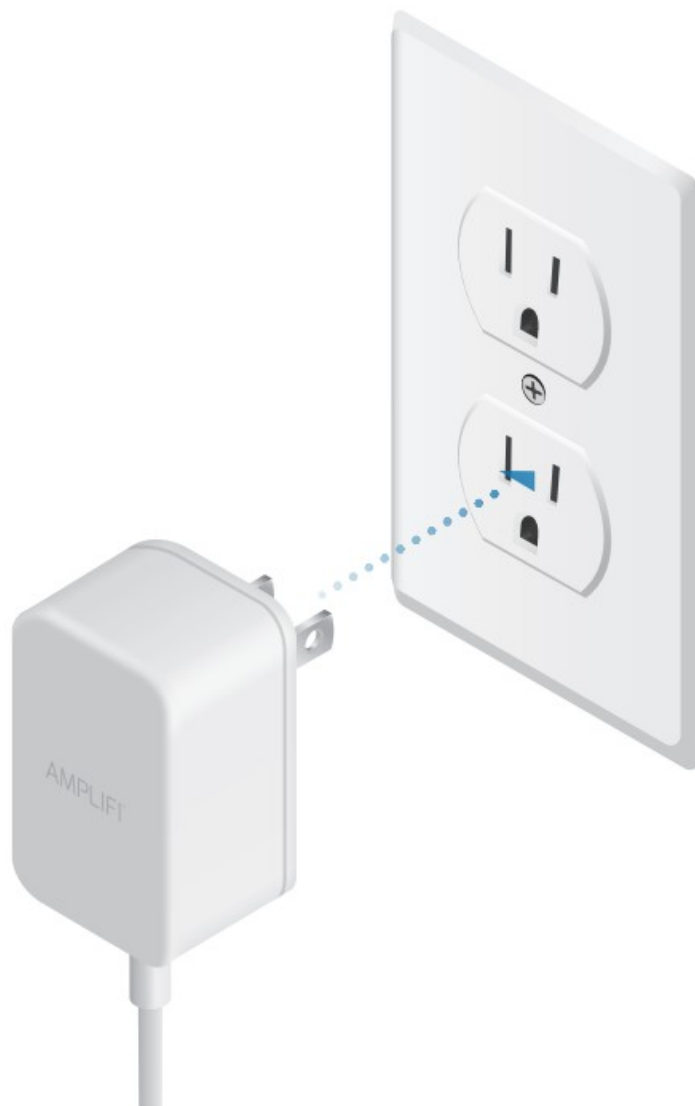
3. Connect one end of the Ethernet Cable to your broadband modem and the other end to the internet  port on the AmpliFi Router.



4. Connect the Power Adapter to the power port on the AmpliFi Router.



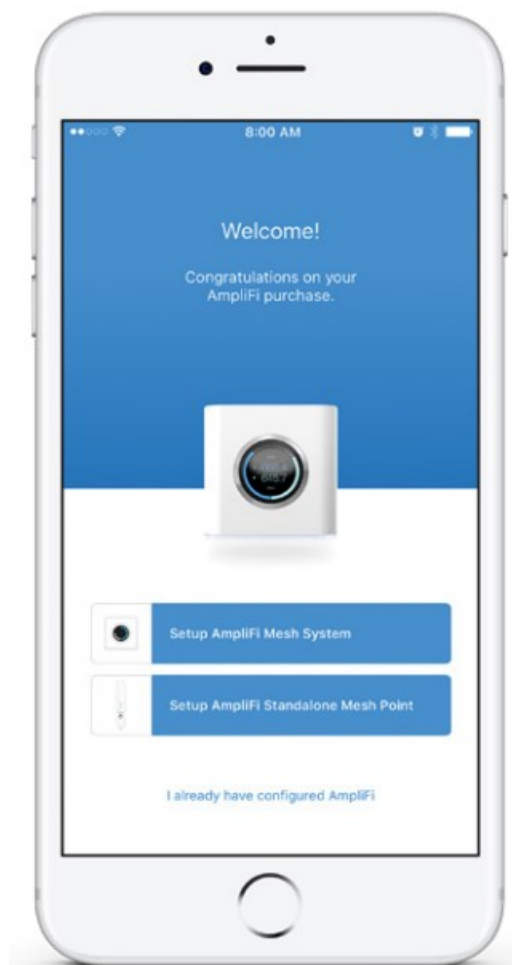
5. Connect the Power Adapter to a power outlet.



6. Power on your broadband modem.



7. Follow the on-screen instructions to configure your AmpliFi Router.



App Features

Remote access can be enabled using your Facebook or Google account. To enable remote access, go to the side menu as shown in the Side Menu – 24/7 Live Chat Support section.



System The system dashboard is displayed in the System window. It provides an overview of the AmpliFi Wi-Fi system including network status, number of connected clients, and active download/upload speeds. Tap devices to display/edit settings.



Performance Tap Start Test on the Performance screen to run a speed test that will provide your download speed, upload speed, and connection ping time. Swipe left on the throughput section to view additional data. A history of recent tests is displayed at the bottom.



Guest To provide guest access, determine the number of guests, select a time limit for their access, and tap Start. Guests simply connect to your wireless network named with the -guest label. No password is required. As guests connect, the number of users connected will be displayed in the app. Tap Stop at any time to turn off the guest network.



Family The Family Profiles feature allows you to create profiles for family members, groups, or areas of your home. Assign devices to the profile, schedule quiet time (when internet is not accessible), and pause the internet at any time.

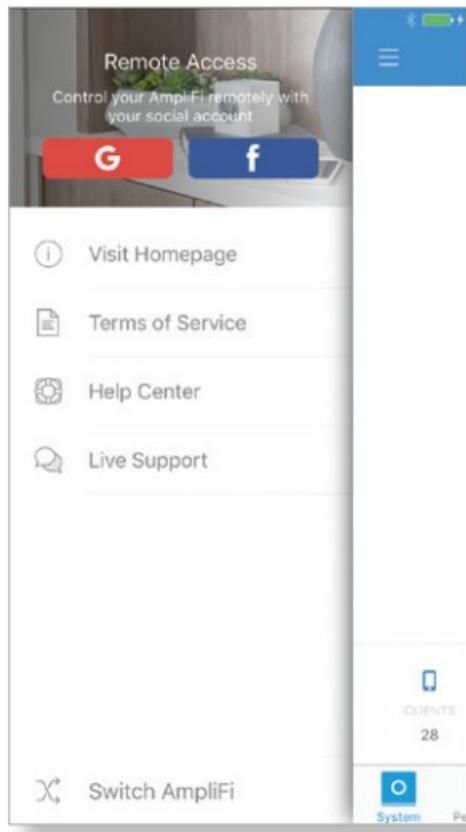


Diagnose The Diagnose option will check your WAN link, IP settings, internet connection, and MeshPoint status.

Side Menu – 24/7 Live Chat Support



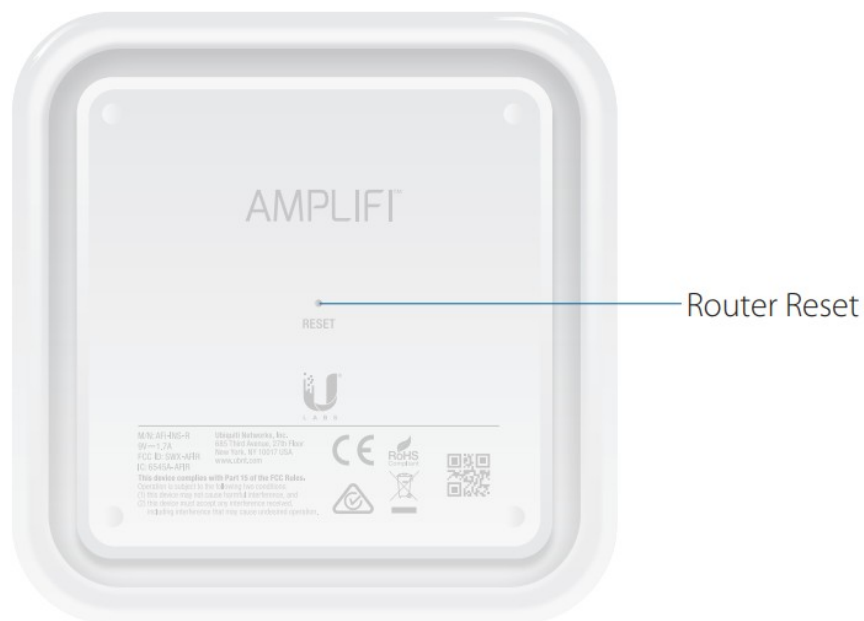
Tap the icon in the upper left of the app to access the side menu. Tap Live Support for 24/7 live chat support. Remote Access can also be enabled from this menu.



Live chat is also available at help.amplifi.com by selecting Chat with us in the bottom right.

Resetting to Factory Defaults

If the AmpliFi Router administration password is lost, factory default settings can be restored. Use an object such as a straightened paper clip or pin to press the Reset located on the bottom of the AmpliFi Router for approximately 10 seconds until the LED turns off.



Router Specifications

Max. TX Power	22 dBm
MIMO	2.4 GHz: 2×2, 5 GHz: 2×2
Speeds	2.4 GHz: 300 Mbps, 5 GHz: 867 Mbps
Networking Interface	Wi-Fi/Gigabit Ethernet (1) WAN, (1) LAN
Max. Power Consumption	9W
ESD/EMP Protection	± 24kV Air/Contact
Buttons	Reset
Antennas	(1) Dual-Band Antenna, Single-Polarity
Display	30.73 mm (1.21") Diagonal, 160 x 64, 142 ppi, Capacitive Touch, Grayscale
Wi-Fi Standard	802.11ac
Power Save	Supported
Wireless Security	WPA2-PSK AES/TKIP
Operating Temperature	14 to 131° F (-10 to 55° C)
Operating Humidity	5 to 95% Noncondensing
Certifications	FCC / CE / IC

Supported Data Rates

802.11ac	13 Mbps to 866.7 Mbps (MCS0 – MCS9, VHT 20/40/80)
802.11n	6.5 Mbps to 300 Mbps (MCS0 – MCS15, HT 20/40)
802.11a	6, 9, 12, 18, 24, 36, 48, 54 Mbps
802.11b	1, 2, 5.5, 11 Mbps
802.11g	6, 9, 12, 18, 24, 36, 48, 54 Mbps

Limited Warranty

UBIQUITI NETWORKS, Inc (“UBIQUITI NETWORKS”) warrants that the product(s) furnished hereunder (the “Product(s)”) shall be free from defects in material and workmanship for a period of one (1) year from the date of shipment by UBIQUITI NETWORKS under normal use and operation. UBIQUITI NETWORKS’ sole and exclusive obligation and liability under the foregoing warranty shall be for UBIQUITI NETWORKS, at its discretion, to repair or replace any Product that fails to conform to the above warranty during the above warranty period. The expense of removal and reinstallation of any Product is not included in this warranty. The warranty period of any repaired or

replaced Product shall not extend beyond its original term.

Warranty Conditions

The above warranty does not apply if the Product:

- (I) has been modified and/or altered, or an addition made thereto, except by Ubiquiti Networks, or Ubiquiti Networks' authorized representatives, or as approved by Ubiquiti Networks in writing;
- (II) has been painted, rebranded or physically modified in any way;
- (III) has been damaged due to errors or defects in cabling;
- (IV) has been subjected to misuse, abuse, negligence, abnormal physical, electromagnetic or electrical stress, including lightning strikes, or accident;
- (V) has been damaged or impaired as a result of using third party firmware;
- (VI) has no original Ubiquiti MAC label, or is missing any other original Ubiquiti label(s); or
- (VII) has not been received by Ubiquiti within 30 days of issuance of the RMA.

In addition, the above warranty shall apply only if: the product has been properly installed and used at all times in accordance, and in all material respects, with the applicable Product documentation; all Ethernet cabling runs use CAT5 (or above), and for outdoor installations, shielded Ethernet cabling is used, and for indoor installations, indoor cabling requirements are followed.

Returns

No Products will be accepted for replacement or repair without obtaining a Return Materials Authorization (RMA) number from UBIQUITI NETWORKS during the warranty period, and the Products being received at UBIQUITI NETWORKS' facility freight prepaid in accordance with the RMA process of UBIQUITI NETWORKS. Products returned without an RMA number will not be processed and will be returned freight collect or subject to disposal. Information on the RMA process and obtaining an RMA number can be found at: www.amplifi.com/support/warranty

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Limitation of Liability

EXCEPT TO THE EXTENT PROHIBITED BY LOCAL LAW, IN NO EVENT WILL UBIQUITI OR ITS SUBSIDIARIES, AFFILIATES OR SUPPLIERS BE LIABLE FOR DIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES (INCLUDING LOST PROFIT, LOST DATA, OR DOWNTIME COSTS), ARISING OUT OF THE USE, INABILITY TO USE, OR THE RESULTS OF USE OF THE PRODUCT, WHETHER BASED IN WARRANTY, CONTRACT, TORT OR OTHER LEGAL THEORY, AND WHETHER OR NOT ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Note

Some countries, states and provinces do not allow exclusions of implied warranties or conditions, so the above exclusion may not apply to you. You may have other rights that vary from country to country, state to state, or province to province. Some countries, states and provinces do not allow the exclusion or limitation of liability for incidental or consequential damages, so the above limitation may not apply to you. EXCEPT TO THE EXTENT ALLOWED BY LOCAL LAW, THESE WARRANTY TERMS DO NOT EXCLUDE, RESTRICT OR MODIFY, AND ARE IN ADDITION TO, THE MANDATORY STATUTORY RIGHTS APPLICABLE TO THE LICENSE OF ANY SOFTWARE (EMBEDDED IN THE PRODUCT) TO YOU. The United Nations Convention on Contracts for the International Sale of Goods shall not apply to any transactions regarding the sale of the Products.

Compliance**FCC**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions.

- 1 This device may not cause harmful interference, and
- 2 This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The AmpliFi Router and MeshPoint have been approved by FCC under FCC ID: SWX-AFIR.

CAN ICES-3(B)/NMB-3(B)

This Class B digital apparatus complies with Canadian CAN ICES-003.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

The AmpliFi Router and MeshPoint have been approved by Industry Canada under IC: 6545A-AFIR. The device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-channel mobile satellite systems.

RF Exposure Warning

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all

persons and must not be located or operating in conjunction with any other antenna or transmitter.

CE Marking

CE marking on this product represents the product is in compliance with all directives that are applicable to it.



Country List



AT	BE	BG	CY	CZ	DE	DK	EE	EL	ES	FI	FR	HR	HU
IE	IT	LV	LT	LU	MT	NL	PL	PT	RO	SE	SI	SK	UK

BFWA (Broadband Fixed Wireless Access) members noted in blue



Note: This device meets Max. TX power limit per ETSI regulations.

The following apply to products that operate in the 5 GHz frequency range:



Note: This device is restricted to indoor use only when operating in the 5150 – 5350 MHz frequency range within all member states.



Note: All countries listed may operate at 30 dBm. BFWA member states may operate at 36 dBm.



Note: Operation in the 5.8 GHz frequency band is prohibited in BFWA member states. Other countries listed may use the 5.8 GHz frequency band.

RoHS/WEEE Compliance Statement



European Directive 2012/19/EU requires that the equipment bearing this symbol on the product and/ or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product should be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. For more detailed information about the disposal of your old equipment, please contact your local authorities, waste disposal service, or the shop where you purchased the product.

Declaration of Conformity

Hereby, UBIQUITI NETWORKS declares that the radio equipment type AFi-INS-R is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

www.ubnt.com/compliance

Support

Online help.amplifi.com

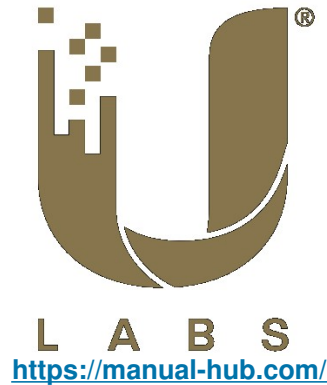
Email help@amplifi.com



Ubiquiti Networks, Inc.
685 Third Avenue, 27th Floor
New York, NY 10017
USA

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JLNB100818



Documents / Resources



[AmpliFi AFi-INS-R Instant Router](#) [pdf] User Guide
AFi-INS-R Instant Router, AFi-INS-R, Instant Router, Router

References

- [!\[\]\(fd4127b9e2af37bd6ea0fa06afa8e6d8_img.jpg\) **AmpliFi | Faster, Whole-Home Wi-Fi**](#)
- [!\[\]\(3278d6283d12f18012b5aa7d40747611_img.jpg\) **Ubiquiti - Compliance**](#)
- [!\[\]\(bb96b32142ec45f72f12316beae3ef61_img.jpg\) **AmpliFi WiFi on the App Store**](#)
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