Armacost LIGHTING

WiFi Led Controller

Model: ALWIFI14R ,ALWIFI , Item: 714420
Manufacture:Zengge Co., Limited

QUICK START GUIDE

Download the full instruction manual at armacostlighting.com/wi-fi

Compatible with Android and Apple (iOS) smartphones and tablets.

Works with five types or combinations of LED lighting (both 12- and 24-volt):

- White or single-color LED lighting – provides 0-100% full range dimming
- White color adjustable LED tape lighting – dimming and CCT control
- Standard RGB LED lighting – full function color control and effects
- RGB + white four-channel LED enhanced color control and effects
- RGB + CCT dual white five-channel enhanced color control and effects

Features

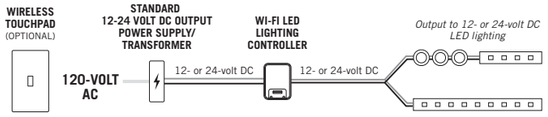
- Works with or without a wireless network. Use your phone as a simple remote or use any existing wireless network for advanced control features
- Connect and control up to 50 Wi-Fi controllers with one device*. Control individually or in groups for large area, multi-zoned lighting control (requires router and network connection)
- Control your lighting remotely from anywhere in the world when configured through your network
- Use in conjunction with Armacost Lighting's Wireless Touchpad (item 523120) for wall-mounted wireless on/off and dimming control of your lights.
- Sync lighting to the beat of music stored locally on your device, or use your microphone to sync to ambient music
- Programmable – set the time of day to turn your lighting on or off
- When used with RGB LED lighting, create your own color-changing effects or choose from 20 preprogrammed modes. Bookmark and save favorite colors and effects. Match colors in your environment using your device's camera, or manually enter RGB values for precise color selections

**Only static colors will synchronize and dim in unison when using color-changing LED lighting. Color-changing effects will not stay synchronized.*

Connecting

Low-voltage safe, the Wi-Fi controller is direct wired inline between the low voltage output of your power supply and your LED lighting.

Typical Wiring Diagram



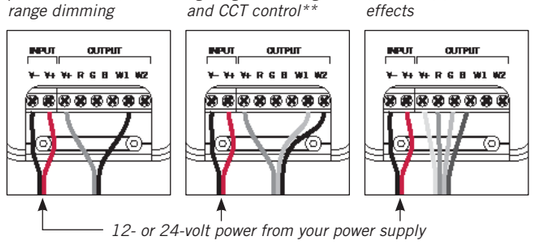
- Each Wi-Fi controller requires a separate LED power supply. Never connect multiple Wi-Fi controllers to one power supply
- Use only with standard 12- or 24-volt DC constant voltage power supplies. The voltage output of your power supply must be the same as your LED lighting
- All wiring must be in accordance with national and local electrical codes, low-voltage Class 2 circuit. If you are unclear as to how to install and wire this product, contact a qualified electrician
- Always read and follow the Installation Guidelines provided with your LED lighting and power supply

Connect based on the type of LED lighting you are using

1. White and single color LED lighting – provides 0-100% full range dimming

*2. White color adjustable LED tape lighting – dimming and CCT control***

3. Standard RGB LED lighting – full function color control and effects

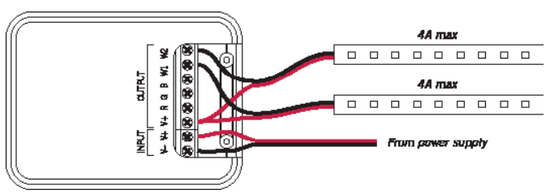


Note: For four- and five-channel RGB connection illustrations, consult the full instruction manual.

Note: To enable the maximum length of white LED lighting, connect two legs of LED lighting to the Wi-Fi controller using the W1 and W2 port connections as shown below.

Each leg can support up to 4 amps of LED lighting

- 4 amps x 12 volts = 48 watts x 2 = 96 watts max with 12-volt lighting
- 4 amps x 24 volts = 96 watts x 2 = 192 watts max with 24-volt lighting



***For dual color temperatures, or color temperature adjustable lighting, connect the warmer tape lighting (lower K number) to W1 and the cooler lights (higher K) to W2.*

App Installation

MyLED Pro

Download and connect the free Armacost Lighting app

Go to Apple iTunes Store or Google Play for Android devices. Search for Armacost MyLED Pro to download and install the app.

Make sure the controller is correctly installed and powered on before attempting to use the app to connect your device.

1. Make sure Wi-Fi is enabled on your mobile device.
2. Start the Armacost Lighting app and follow the instructions to connect to your Wi-Fi controller.

   Note: If connecting to your wireless network, the link light on the front of the Wi-Fi controller will illuminate. This indicates that your connection is successful and you will be able to access your Wi-Fi controller through your wireless network.

Direct wireless connection versus connecting to your network via your router

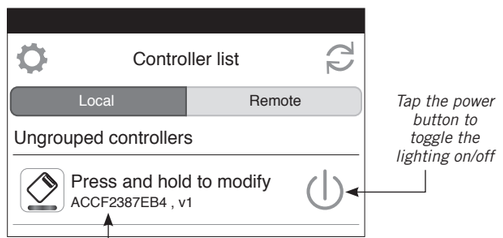
If you do not have a Wi-Fi network, or do not want to connect to your wireless router, choose direct connect to the controller. With this method, you will not have access to your network while connected to the Wi-Fi controller , and vice versa. Using direct connect, only one controller may be accessed at a time.

Armacost Lighting recommends connecting to your home network via your wireless router to enable full app features. By going through the router setup, you will link your Wi-Fi controller through your existing wireless network. This will allow you to access the Internet and your color controller without switching between Wi-Fi networks. Additionally, you will be able to use the remote access settings, and Wi-Fi controllers connected to the same network can be grouped together for synchronized control across multiple zones.

The first time you connect to the Wi-Fi LED controller, you will be prompted to select the type of lighting you are connecting. Choose the mode that applies to the type of lighting you are using. For example, if you are using single color or white LED lighting, select "DIM," and your app will then be configured as an LED dimmer.

- **DIM:** White/Single Color Dimmer
- **CCT:** Color Temperature Adjustable
- **RGB:** RGB Multicolor
- **RGBW:** RGB + Single Color
- **RGBWW:** RGB + Dual Color

Next, you will see a list of all Wi-Fi controllers connected to this network. Here, you can access settings and controller properties as well as turn your lighting on/off. Tap the controller name to begin using your lighting, or press and hold to change basic device properties.



IMPORTANT

If the app displays the error message below, press the refresh button in the upper-right corner.

> Cannot find any LED controller(s). Please check your device Wi-Fi setting and confirm that the LED controller(s) are plugged in

If the Wi-Fi controller still does not appear, turn your device Wi-Fi connection off and back on and check your network settings.

Factory Reset

If you incorrectly entered your network password or have another incorrect setting, the link light will not turn on. You will not be able to access the Wi-Fi controller and you will need to do a factory reset.

1. Locate the pinhole on the front of the unit, labeled RESET.
2. Using the included straight pin, or a paper clip, insert straight into the pinhole to depress the reset button.
3. Continue to press and hold the reset button for five seconds, then release.

The unit will power off and back on and cycle the lighting to indicate the reset has been successful. You can now connect back to your Wi-Fi controller using its default settings. Return to step 1 under "App Installation."

For the full featured app manual and how-to videos, visit armacostlighting.com/wifi.

SPECIFICATIONS

Input voltage	12-volt or 24-volt DC
Output channels	5
Maximum lighting load	4 amps per channel
Working temperature	15 to 120°F (-10 to 49°C)
Wireless working frequency	2.4 GHz
FCC ID	2AIPIALWIFI14R
Country of origin	China

Limited one-year warranty. This product is for dry location use only. Improper installation, improper powering, abuse, or failure to use this device for its intended purpose will void warranty. Proof of purchase is required for all returns. Questions? Email support@armacostlighting.com.

FC RoHS CE C SA US Conforms to UL Standard 8750 254684 american lighting association

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

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FCC Caution.

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.

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

Note: 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.