



Antumbra iColor Keypad

Product Guide

Antumbra iColor Keypad

Stand-alone wall-mounted controller that triggers up to six shows at the touch of a button

Antumbra iColor Keypad is a compact stand-alone lighting controller for intelligent RGB and intelligent white-light LED lighting fixtures from Color Kinetics. This wall-mounted controller triggers up to six light shows at the touch of a button. Power over Ethernet (PoE) technology eliminates the need for a separate power source, affording greater freedom of placement, higher reliability, and easy installation.

The Antumbra Button and Antumbra Touch user interfaces consist of large buttons that can be customized with text or icons and incorporate the latest in field effect technology. The contemporary design features a number of button configurations, with each button capable of controlling lighting functions.

- Six onboard effects and up to six configurable shows—Antumbra iColor Keypad uses onboard lighting effects, eliminating the need for an external data source. Use the Antumbra iColor Keypad Effect Manager configuration software to select from six effects and adjust effect settings such as color, duration, and brightness as desired. Store up to six sets of effects and settings as shows. Recall shows at the touch of a button.
- Fingertip dimming and on/off control—Easily adjust brightness of connected lights, or turn them on and off. The Antumbra Touch interface is made of a single, easy-to-clean glass panel, and a soft beep lets you know that the keypad was pressed. The Antumbra Button interface is made of removable buttons, providing tactile feedback that lets you know th
- Field effect technology—The user interface detects an approaching user and “wakes up,” initiating a wall-washing lighting effect on the Antumbra panel to encourage interaction.
- Supplied as two components—The Application Module contains buttons, rim, base, and mounting plate, which are available in a variety of colors and materials to suit décor. The iColor Communication Module contains all of the logical and network functions and is pre-programmed off-site, allowing commissioning to commence prior to finish options being finalized.
- Multiple language and icon labeling options—Fascia labeling language choices include English, Chinese, and Arabic. A library of common icons transcends language barriers, which is particularly useful in hospitality applications.



Controls a Full Universe

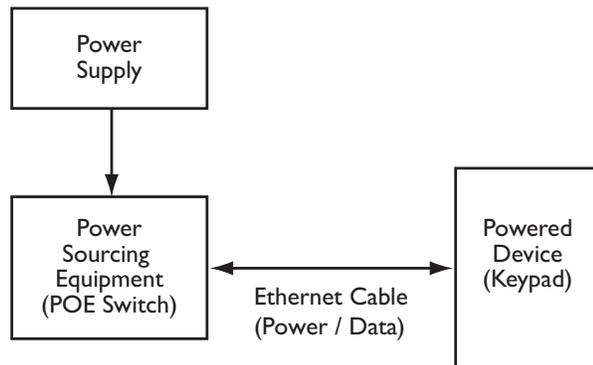
Antumbra iColor Keypad controls up to 170 uniquely addressed fixtures.

The Power of Power over Ethernet

The IEEE 802.3af standard for Power over Ethernet (PoE) enables both electrical power and data to be transmitted over a single twisted-pair cable. Antumbra iColor Keypad is a PoE-compliant powered device that offers you convenience, increased flexibility, and simplified and inexpensive installation.

A New Standard of Flexibility

You can provide power to Antumbra iColor Keypad in one of two ways: with a PoE-compliant Ethernet switch, or with a standard Ethernet switch and PoE injector. Regardless of which method you use, you can position each Antumbra iColor Keypad up to 100 m (328 ft) from the switch. Because power is delivered over the same wire as the data, you do not need to use additional wiring or position the keypad near an external power source.



If you're using a PoE switch, you simply connect Antumbra iColor Keypad to an available port on the switch using a standard Ethernet cable. If you're using a non-PoE switch, you must also attach a PoE injector to the Ethernet cable. You can position the PoE injector near the switch to keep the power and data sources together in the same location, and to give you maximum flexibility in positioning the keypad in a convenient location.

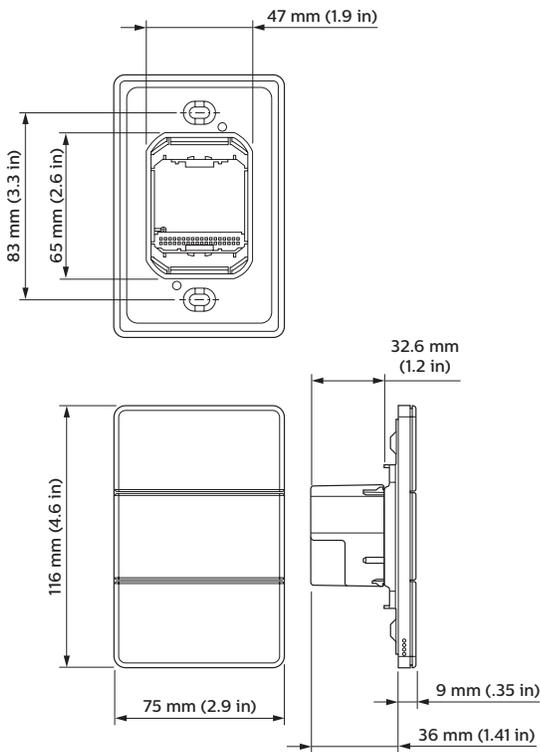
Antumbra Button iColor Keypad Specifications

Due to continuous improvements and innovations, specifications may change without notice.

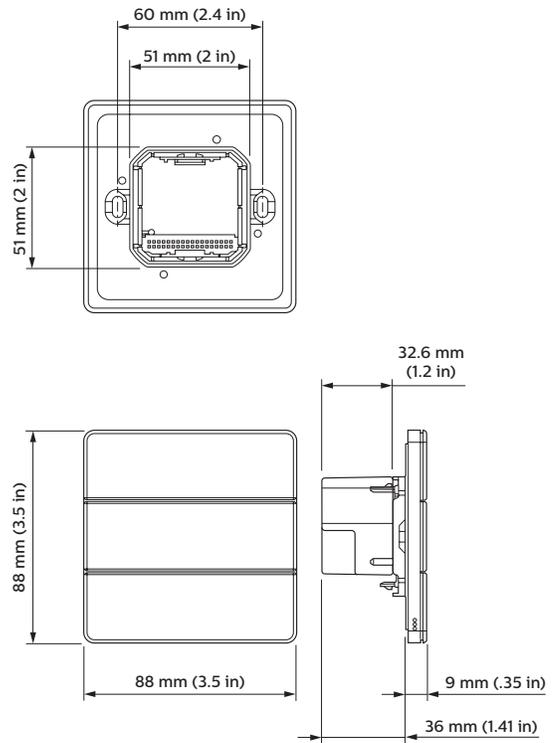
Item	Specification	Details	
Control	Ethernet	Supports 10/100 Mbps full- or half-duplex from any PoE- or IEEE 802.3af-compliant Ethernet switch. PoE injector required for use with non-IEEE 802.3af-compliant switches.	
Electrical	Input Power	3 W maximum via PoE	
Physical	Dimensions (Height x Width x Depth)	UL	116 x 75 x 45 mm (4.6 x 3.0 x 1.8 in)
		CE	88 x 88 x 45 mm (3.5 x 3.5 x 1.8 in)
	Weight	UL	160 g (5.6 oz)
		CE	148 g (5.2 oz)
	Housing	Medium matte white plastic enclosure	
	Connector/Cable	RJ45 Port, shielded Cat. 5e or better data cable (not included)	
	Operating Temperature	-5° - 50° C (23° - 122° F)	
Humidity	0 - 90%, non-condensing		
Certification and Safety	Approbation	UL/cUL, CE, CQC, FCC Class A, C-Tick	
	Environment	Indoor Rated, IP20	



Antumbra Button iColor Keypad, UL



Antumbra Button iColor Keypad, CE



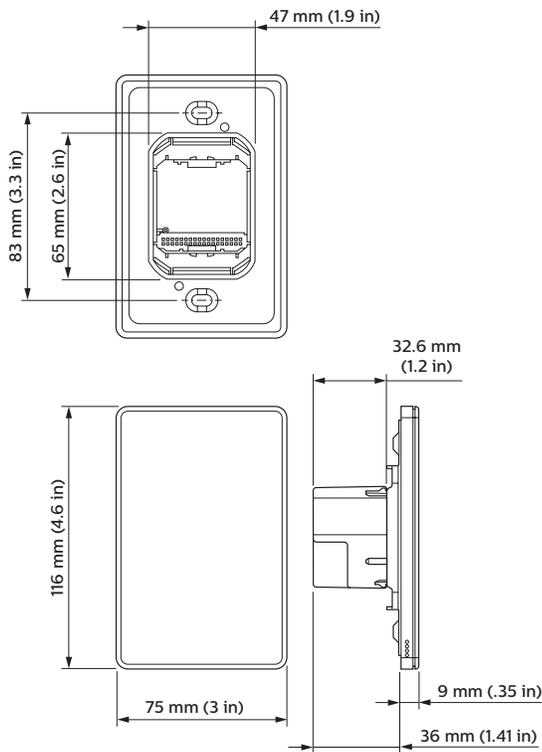
Antumbra Touch iColor Keypad Specifications

Due to continuous improvements and innovations, specifications may change without notice.

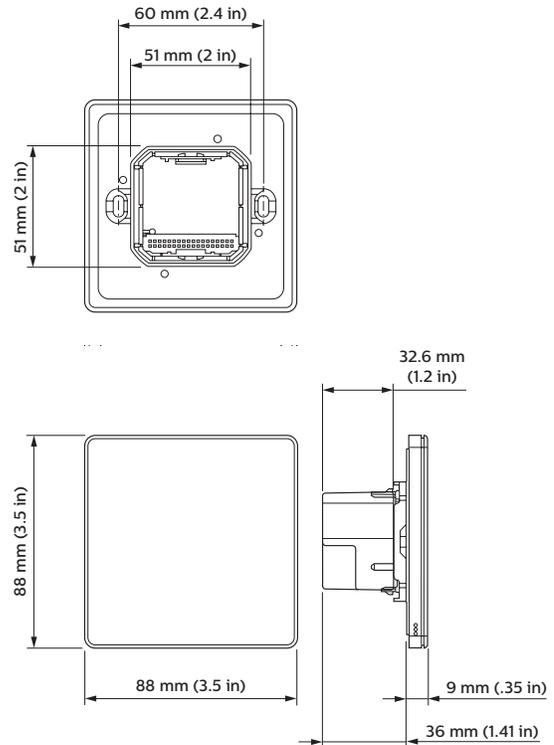
Item	Specification	Details	
Control	Ethernet	Supports 10/100 Mbps full- or half-duplex from any PoE- or IEEE 802.3af-compliant Ethernet switch. PoE injector required for use with non-IEEE 802.3af-compliant switches.	
Electrical	Input Power	3 W maximum via PoE	
Physical	Dimensions (Height x Width x Depth)	UL	116 x 75 x 45 mm (4.6 x 3.0 x 1.8 in)
		CE	88 x 88 x 45 mm (3.5 x 3.5 x 1.8 in)
	Weight	UL	180 g (6.4 oz)
		CE	170 g (6.0 oz)
	Housing	Medium matte white plastic enclosure	
	Connector/Cable	RJ45 Port, shielded Cat. 5e or better data cable (not included)	
	Operating Temperature	-5° - 50° C (23° - 122° F)	
Humidity	0 - 90%, non-condensing		
Certification and Safety	Approbation	UL/cUL, CE, CQC, FCC Class A, C-Tick	
	Environment	Indoor Rated, IP20	



Antumbra Touch iColor Keypad, UL



Antumbra Touch iColor Keypad, CE



Ordering Information

A complete control system includes the Antumbra Application Module (which consists of the buttons or fascia, the rim, and a mounting plate), the iColor Communication Module, and a Power-Over-Ethernet-compliant switch.

iColor Communication Module and Accessories

Select item numbers for the iColor Communication Module and accessories from the following table. Include these item numbers when submitting your final order.

Item		Item Number	12NC	
iColor Communication Module		103-000040-00	912400133665	
Power over Ethernet Switch	4 Power over Ethernet ports, 8 ports total	120-000084-01	910503702557	
Power over Ethernet Injector	North America Power Cord	109-000029-00	910503700383	
	Europe Power Cord	109-000029-01	910503700384	

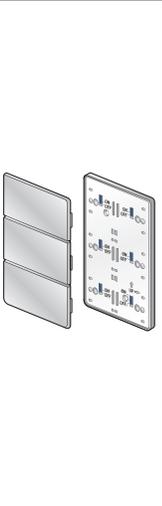
Use Item Number when ordering in North America.

Custom Configurations

In addition to the standard configurations listed here, custom button labeling is also available. See the Antumbra iColor Keypad Ordering Information sheet at www.colorkinetics.com/ls/controllers/antumbra-button-icolor-keypad/ for complete details.

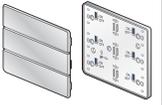
Option	Details
Style	UL, CE
Antumbra Button Button Color	White, Silver, Magnesium, Aluminium
Antumbra Button Rim Color	White, Aluminium, Chrome, Magnesium
Antumbra Touch Fascia Color	White, Black
Antumbra Touch Rim Color	White, Aluminium, Chrome, Black
Custom Labeling Options	English, Chinese, or Arabic characters, or select from a library of common icons.

Antumbra Button Application Module Standard Configuration

Style	Button Color	Rim Color	Item Number	12NC	
UL	White	White	PABPA-WW-X	913703035309	
	White	Aluminium	PABPA-WA-X	913703035309	
	White	Chrome	PABPA-WC-X	913703035309	
	White	Magnesium	PABPA-WM-X	913703035309	
	Silver	White	PABPA-SW-X	913703035309	
	Silver	Aluminium	PABPA-SA-X	913703035309	
	Silver	Chrome	PABPA-SC-X	913703035309	
	Silver	Magnesium	PABPA-SM-X	913703035309	
	Magnesium	White	PABPA-MW-X	913703035309	
	Magnesium	Aluminium	PABPA-MA-X	913703035309	
	Magnesium	Chrome	PABPA-MC-X	913703035309	
	Magnesium	Magnesium	PABPA-MM-X	913703035309	
	Aluminium	Aluminium	PABPA-AA-X	913703035509	
	Aluminium	Chrome	PABPA-AC-X	913703035509	
	Aluminium	Magnesium	PABPA-AM-X	913703035509	

 For more information on how to buy Color Kinetics LED lighting systems, www.colorkinetics.com/ls/howtobuy/

Style	Button Color	Rim Color	Item Number	12NC
CE	White	White	PABPE-WW-X	913703035309
	White	Aluminium	PABPE-WA-X	913703035309
	White	Chrome	PABPE-WC-X	913703035309
	White	Magnesium	PABPE-WM-X	913703035309
	Silver	White	PABPE-SW-X	913703035309
	Silver	Aluminium	PABPE-SA-X	913703035309
	Silver	Chrome	PABPE-SC-X	913703035309
	Silver	Magnesium	PABPE-SM-X	913703035309
	Magnesium	White	PABPE-MW-X	913703035309
	Magnesium	Aluminium	PABPE-MA-X	913703035309
	Magnesium	Chrome	PABPE-MC-X	913703035309
	Magnesium	Magnesium	PABPE-MM-X	913703035309
	Aluminium	Aluminium	PABPE-AA-X	913703035509
	Aluminium	Chrome	PABPE-AC-X	913703035509
	Aluminium	Magnesium	PABPE-AM-X	913703035509

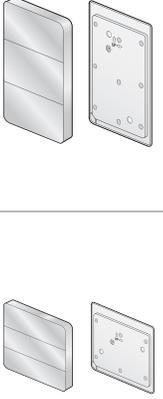


Use Item Number when ordering in North America.

✳ For more information on how to buy Color Kinetics LED lighting systems, www.colorkinetics.com/ls/howtobuy/

Antumbra Touch Application Module Standard Configuration

Style	Button Color	Rim Color	Item Number	12NC
UL	White	White	PATPA-WW-X	913703050809
	White	Aluminium	PATPA-WA-X	913703050809
	White	Chrome	PATPA-WC-X	913703050809
	White	Black	PATPA-WB-X	913703050809
	Black	White	PATPA-BW-X	913703050809
	Black	Aluminium	PATPA-BA-X	913703050809
	Black	Chrome	PATPA-BC-X	913703050809
	Black	Black	PATPA-BB-X	913703050809
CE	White	White	PATPE-WW-X	913703050809
	White	Aluminium	PATPE-WA-X	913703050809
	White	Chrome	PATPE-WC-X	913703050809
	White	Black	PATPE-WB-X	913703050809
	Black	White	PATPE-BW-X	913703050809
	Black	Aluminium	PATPE-BA-X	913703050809
	Black	Chrome	PATPE-BC-X	913703050809
	Black	Black	PATPE-BB-X	913703050809



Use Item Number when ordering in North America.

Installation

Antumbra iColor Keypad can be installed in any Ethernet lighting installation using Data Enabler Pro devices or power/data supplies that support KiNET, the Ethernet lighting protocol from Color Kinetics. Each Antumbra iColor Keypad button broadcasts a stored, configurable show to all LED lighting fixtures in your installation.

Antumbra iColor Keypad requires data and power over a single Ethernet connection. A PoE-compliant Ethernet switch delivers both data and power over a Cat. 5e or better data cable. Installations with non-PoE switches require a PoE-compliant power source, such as the PoE Injector.

Owner/User Responsibilities

It is the responsibility of the contractor, installer, purchaser, owner, and user to install, maintain, and operate Antumbra iColor Keypad in such a manner as to comply with all applicable codes, state and local laws, ordinances, and regulations. Consult with the appropriate electrical inspector to ensure compliance.

 Refer to the Antumbra iColor Keypad Installation Instructions for specific warning and caution statements.

Prepare the Installation

The positioning of Antumbra iColor Keypad is generally determined by the installation configuration, especially the locations of fixtures and power sources. Because Antumbra iColor Keypad does not need to be wired to a power source, it can be installed in a convenient and unobtrusive location.

Create a layout plan that starts with the location of the Ethernet switch and, if applicable, the PoE injector(s). Include all leader cables, shielded Cat. 5e or better data cables, and fixtures. If using a PoE-compliant Ethernet switch, ensure that a switch with an available port is installed in the lighting system. If using a non-PoE Ethernet switch, plan to install the required PoE injector(s) near the switch.

Assemble additional items:

- One Cat. 5e or better data cable (shielded twisted pair with an RJ45 connector, to a maximum length of 100 m or 328 ft) to connect Antumbra iColor Keypad to an available port on a PoE-compliant Ethernet switch or to a PoE injector.
- If using a PoE injector, an additional shielded Cat. 5e or better cable to connect the injector to the Ethernet switch, and a power cord to connect the injector to a power source. Refer to the PoE injector's installation or user guide for complete installation instructions.
- If installing Antumbra iColor Keypad in a junction box in North America, you must use a UL-listed low-voltage junction box for Class II equipment. You can also install the keypad in a multi-gang wall box, or you can flush-mount it using the mounting holes at the top and bottom of the keypad, as allowed by applicable electrical codes at your location.

 We recommend using a shielded Cat. 5e Ethernet cable with your Antumbra iColor Keypad.

Included in the box

iColor Communication Module*

Installation Instructions

*Antumbra panel ships separately

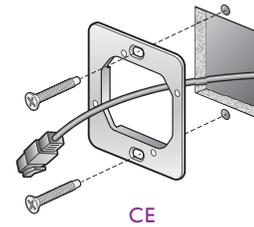
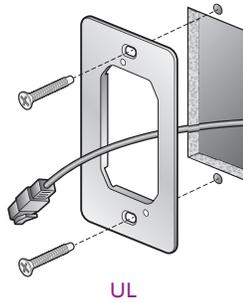


Inspect the iColor Communication Module

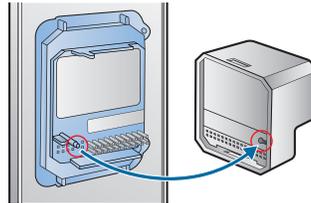
Carefully inspect the box containing the iColor Communication Module and its contents for any damage that may have occurred in transit.

Mount and Connect the Keypad

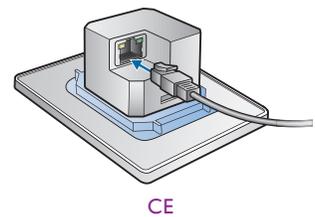
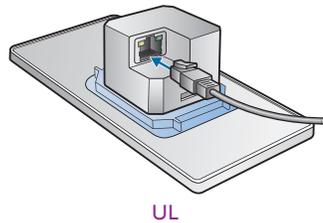
1. Secure the installation bracket to the mounting surface, in accordance with local electrical codes, using the two longer screws provided with the Application Module.



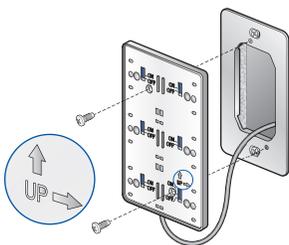
2. Mount the iColor Communication Module by snapping it into the back of the Application Module. Use the locating pins to ensure the correct orientation of the two modules.



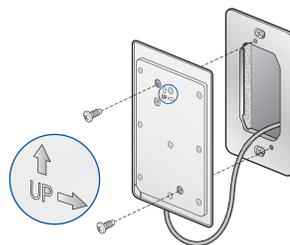
3. Connect one end of a shielded Cat. 5e Ethernet network cable to the back of the iColor Communication Module.



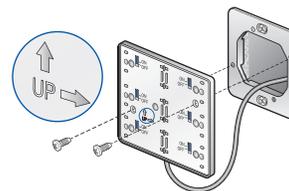
4. Secure the base of the panel to the mounting plate using the shorter screws provided. Ensure that the base is correctly oriented before installing it to the mounting plate by aligning the arrow in the UP position.



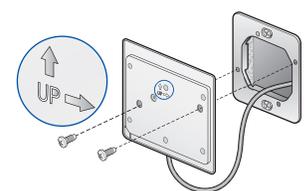
Antumbra Button, UL



Antumbra Touch, UL



Antumbra Button, CE



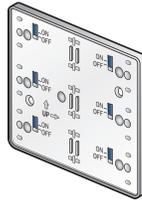
Antumbra Touch, CE

5. Antumbra Button: Lock any buttons you do not want to use on the switch.
 ON = Button is available for use (unlocked).
 OFF = Button is not available for use (locked).

 *Keep all four corner switches set to ON so that you can later lock and unlock the installed keypad.*

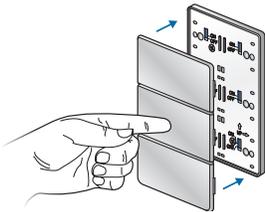


Antumbra Button, UL

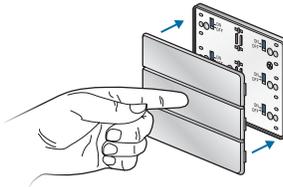


Antumbra Button, CE

6. Antumbra Button: Snap the buttons to the base, pressing on the center of each button.

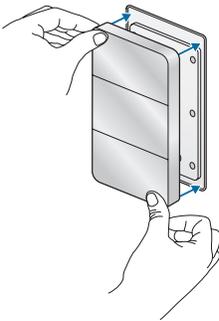


Antumbra Button, UL

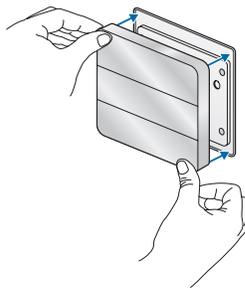


Antumbra Button, CE

Antumbra Touch: Snap the panel to the base, pressing on the four corners.



Antumbra Touch, UL

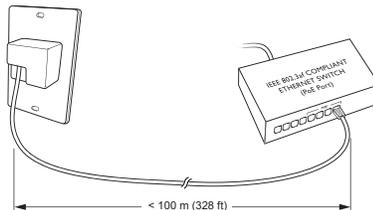
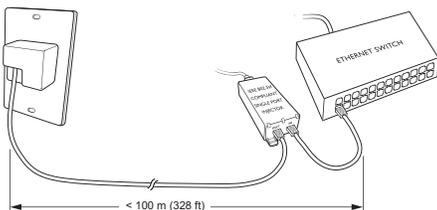


Antumbra Touch, CE

Make Cable Connections

Connect the other end of the Cat. 5e Ethernet network cable to the Power over Ethernet source. Now that power reaches the switch, verify that the default light show plays.

If using a non-PoE Ethernet switch, connect the Cat. 5e Ethernet or better data cable to the output port on a PoE injector. The PoE injector must be connected to the Ethernet switch and an AC outlet in accordance with the manufacturer's installation instructions.



Using Antumbra iColor Keypad

✳️ Refer to the *Antumbra iColor Keypad Effect Manager User Guide* for detailed information on configuring and using your *Antumbra iColor Keypad*.

- Press and release a button to play the show assigned to that button. By default, shows play from the beginning at 100% brightness.
- Press and release the active button to turn show lights off.
- Use the dimmer controls to adjust the brightness of the show lights. By default, dimmer controls are used by pressing and holding the active button. If button mode has been set to 6 Shows On/Off, dimming functionality is disabled on the keypad.

Antumbra iColor Keypad Lighting Effects

 **Fixed Color** Displays a single color on all fixtures. Keypad dimming buttons adjust effect brightness.

 **Variable Color** Displays a single color on all fixtures. Keypad dimming buttons adjust RGB values, cycling through the color spectrum.

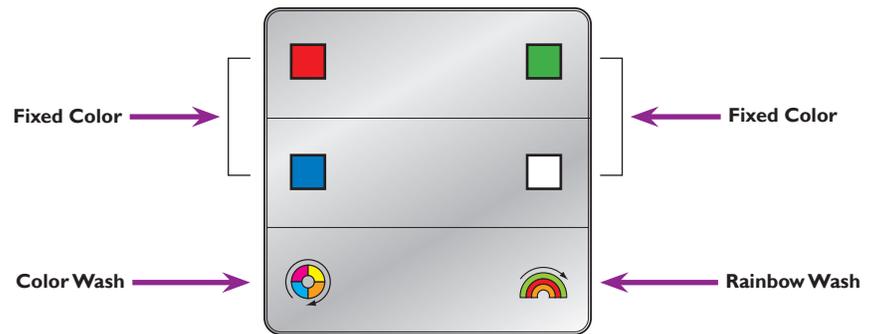
 **Color Wash** Produces a smooth hue transition on all fixtures simultaneously, progressing through the color spectrum.

 **Rainbow Wash** Produces a smooth hue transition through the color spectrum. Colors appear to follow each other from fixture to fixture.

 **Custom Wash** Produces a marching color transition across all fixtures, progressing through two to six selected colors.

 **Random Color** Displays a sequence of random colors on all fixtures, either fading or snapping from color to color.

Antumbra iColor Keypad Default Settings



Keypad Maintenance

Clean the keypad faceplate and buttons with a soft, damp cloth.



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Color Kinetics
www.colorkinetics.com