

PRODUCT DOCUMENTATION · REV 1.6



UniPixel RGBIC COB LED Tape Light Kit

Installation Instructions

For UniPixel-RGB-Kit-16 and UniPixel-RGB-Kit-32.

24VDC

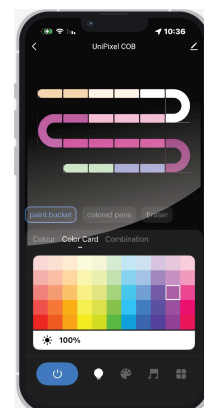
RGBIC

SEAMLESS COB

SMART LIFE / TUYA

4-ZONE RF

IP20 INDOOR

Installs in
4 steps

1 Connect

2 Mount

3 Set up

4 Pair

What's in the box

1



UniPixel RGBIC COB LED Tape

24VDC · 12 mm · IP20

UniPixel-RGB-16 / -32

2



Eno-Pixel SPI RGB Controller

Wi-Fi · Bluetooth ·
2.4GHz RF

Eno-Pixel-SPI-RGB

3



24VDC Plug-In Power Supply

cUL US LISTED ETL / UL Listed

Eno-PS-24V-72W-B /
-120W-B

4



Eno-Pixel 4-Zone RGB Remote

White or black

Eno-Pixel-Remote-W / -
B

5



3-Pin Tape-to-Wire Connector

12 mm · IP20

UniPixel-C001

One of each item is supplied. If anything is missing or damaged, contact customer@enoled.com before you begin.

YOUR KIT	KIT-16	KIT-32
Tape length	16.4 ft (5 m)	32.8 ft (10 m)
Power supply	72W, 24VDC	120W, 24VDC
Pixel setting	100 px	200 px



BEFORE YOU START

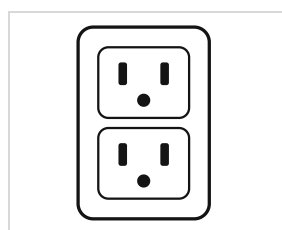
Safety & How It Connects

Read this page before you open a plug. It covers the hazards and the one connection sequence used by every UniPixel kit.

⚠ SAFETY — READ ALL INSTRUCTIONS BEFORE YOU BEGIN

- Disconnect the power supply from AC power before cutting, connecting, or servicing the system.
- Use only the 24VDC power supply supplied with this kit.
- Install in **dry indoor locations only**. This product is rated **IP20**.
- Unroll the tape completely before you power it. Do not power the tape while it is coiled.
- Cut only at the marked cut points. Do not install damaged tape or components.
- Do not join this kit to additional tape or add a second power supply.
- Verify the connector is fully seated before you apply power.
- Line-voltage work must be performed by a qualified electrician.

How it connects



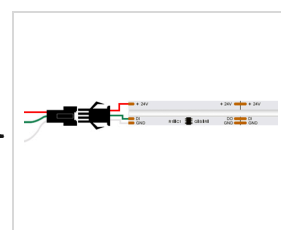
1 120VAC Receptacle



2 Power Supply
72W or 120W



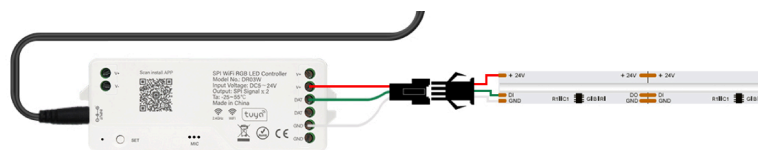
3 Eno-Pixel Controller
Plugs into INPUT



4 Quick-Connect → Tape
Male into female

120VAC receptacle → power supply → Eno-Pixel controller → UniPixel tape. Conductor colour code: red = +24V, green = DI (data), white = GND.

What each wire does



Controller (V+ / DAT / GND) → quick-connect → tape input (+24V / DI / GND)

- **V+ / +24V** red wire — power
- **DAT / DI** green wire — colour data
- **GND / GND** white wire — required



Warning. Never connect 120VAC directly to the controller or the LED tape. The GND conductor is required — it is not optional.

STEP 1 OF 4

Connect

The tape's male connector clicks into the controller's female connector — one way only. No tools are needed.

A • Connect

- 1 If your run needs to be shorter, **cut the tape first** — see below.
- 2 Push the tape's **male** connector into the controller's **female** connector. It clicks when fully seated, and fits one way only.
- 3 Check the printed data arrow on the tape points **away** from the controller.
- 4 Plug the power supply into the controller, then into a 120VAC receptacle.

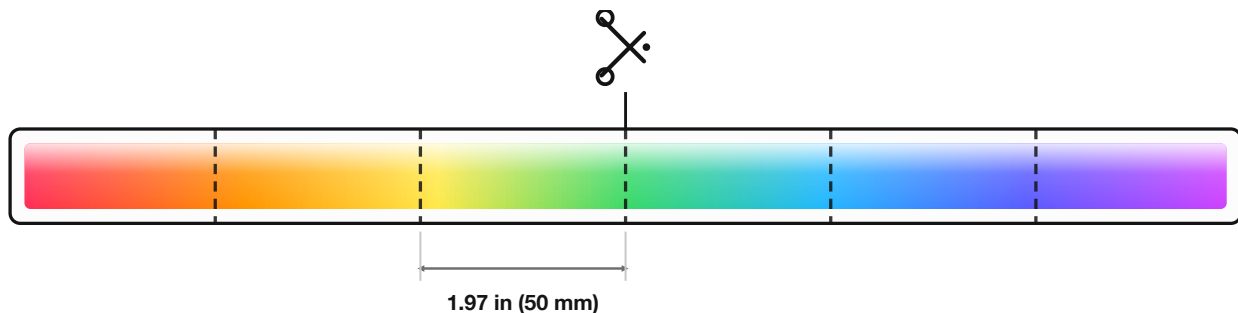
Confirm the tape lights along its full length before you mount it.

Nothing is stuck down until the system works.

If you need to cut the tape

This kit has one connector, already between the controller and the tape. Cutting only shortens the far end — there is nothing to reconnect there.

- 1 Measure the run and find the nearest marked cut point. Cut points are spaced every **1.97 in (50 mm)**.
- 3 Disconnect power, then cut straight through the centre of the marked cut line.
- 4 Update the pixel count in the app — **see Step 3**.



Cut only through the centre of a marked cut line. The marks repeat on an even 1.97 in (50 mm) pitch along the whole run.

Warning. Cut only at the marked cut points. Cutting anywhere else will damage the tape.

STEP 2 OF 4

Mount

Mount the tape only after it has been shown to light along its full length.

- 1 Clean the surface. It must be dry, smooth and free of dust and grease.
- 2 Test-fit the tape along the run before you remove the liner.
- 3 Peel the liner back gradually and press the tape into place. Do not stretch or twist it.
- 4 Never press directly on the LEDs or on any electronic component.
- 5 An aluminium channel is **optional but recommended** — it helps with heat management and adds mechanical protection.
- 6 Guide corners with a gentle bend. Never fold the tape into a sharp crease — see below.

DO**Gentle, rounded bend**

Rounded bends at every corner.

DO NOT**Sharp crease or fold**

No stretching, and never press on the LEDs.

Fit the channel lens only after the system has been tested.

A closed channel makes a wiring or pixel-count correction far harder to reach.

STEP 3 OF 4

Set Up in the App

Download the app, add the controller, then complete the colour correction.

Download the app

- 1 Download **Smart Life** or **Tuya Smart** from the App Store or Google Play.
- 2 Open the app and create an account, or sign in if you already have one.
- 3 Connect your phone to a **2.4GHz** Wi-Fi network and turn on Bluetooth. A 5GHz-only network will not work.
- 4 Make sure the controller has power.

Add the controller

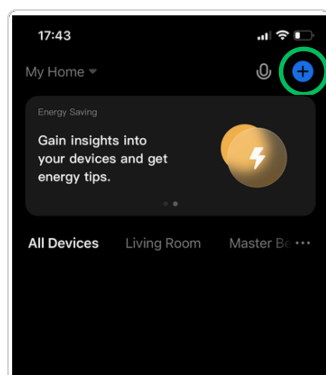
- 5 Press and hold the controller's **SET** button for more than 3 seconds. Release it when the indicator flashes quickly.
- 6 In the app, tap **+ Add Device**.
- 7 Select the controller when it appears, and follow the on-screen steps.
- 8 When the app confirms the device has been added, open it.



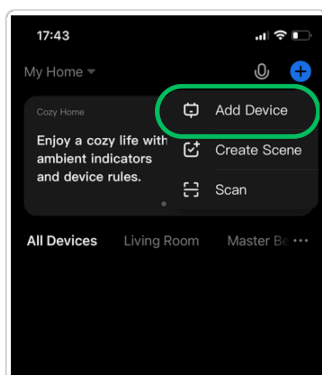
Scan to
Download
the App



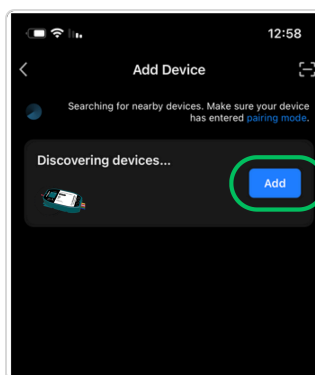
What you'll see in the app



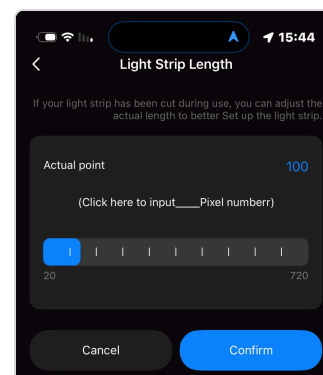
- 1 Open the app and tap +.



- 2 Choose **Add Device**.



- 3 Tap **Add**, then **Done**.



- 4 Only if you cut — see below.

Set the pixel count — only if you cut the tape

DID NOT CUT?

The pixel count is already correct. Skip to **Correct the colours**.

Every 1.97 in (50 mm) of tape is one pixel. Divide the installed length by 1.97 in (50 mm) to get the number to enter.

Example

A 9.8 ft (3 m) run ÷ 1.97 in (50 mm) = **60 pixels**.

- 1 Open the controller in the app, then **Settings** → **Light Strip Length**.
- 2 Tap **Actual point** and enter the number of pixels.
- 3 Tap **Confirm**.

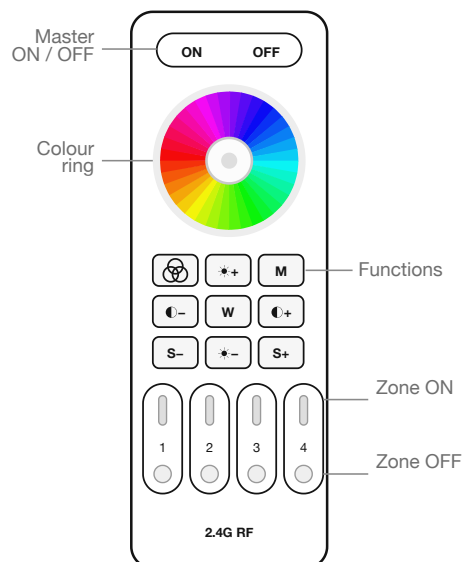
UNCUT KIT	LENGTH	PIXELS
Kit-16	16.4 ft (5 m)	100
Kit-32	32.8 ft (10 m)	200

Correct the colours

- 1 Select **Color Correction**, then match the colour the app asks for to the colour the tape is showing.
- 2 Complete the sequence. Red, green and blue now match the app.

STEP 4 OF 4

Pair the Remote



Eno-Pixel 4-Zone RGB Remote

Fit 2 x AAA batteries before use — not supplied fitted

Pair the remote to a zone

Your remote is already paired. Use this only if the remote does not control the system, or you want it on a different zone.

TO PAIR

- 1 Switch the controller power **off**. Wait 10 seconds.
- 2 Switch the controller power **on**.
- 3 Within 3 seconds, press **Zone ON 3 times**.
- 4 The tape flashes slowly 3 times.

TO UNPAIR

- 1 Switch the controller power **off**. Wait 10 seconds.
- 2 Switch the controller power **on**.
- 3 Within 3 seconds, press **Zone ON 5 times**.
- 4 The tape flashes quickly 10 times.

What the buttons do

CONTROL	WHAT IT DOES
ON / OFF	Turns all paired zones on or off
Colour ring	Selects an RGB colour
	Cycles through 7 preset colours
M	Cycles through dynamic effects
 + / -	Brightness up / down
 + / -	Colour saturation up / down
S + / -	Effect speed up / down
W	White light
Zone 1-4 ON	Turns that zone on. Also used to pair and unpair the remote.
Zone 1-4 OFF	Turns that zone off

REFERENCE

Final Check & Troubleshooting

Final check

- ☐ Tape lit along its full length
- ☐ All plugs fully pushed together
- ☐ Controller at tape input
- ☐ Pixel count set (if cut)
- ☐ Colours match after correction
- ☐ App & remote both work, no flicker

Troubleshooting

PROBLEM	CHECK
Tape does not light	AC power, the DC plug, and that the connector is fully seated
Only part lights	Pixel count, then the first bad segment or connector
Effects run backwards	Controller must be at the tape input
Colours do not match	Repeat Color Correction
Flicker	A plug that is not fully seated
App cannot find it	Use 2.4GHz Wi-Fi, enable Bluetooth, move closer, repeat setup
Remote does not respond	Check the battery and zone, then repeat pairing