

Gateway



Features

- Light and sensors control through Smart Devices
- Possibility of linking up to 80 TWIL devices
- Control apps available for Android, iOS e PC Windows
- *TWIL technology based on the IEEE 802.15.4 (2.4 GHz) standard wireless communication protocol and on the WiFi communication protocol*
- *Built-in clock for timed events*

Model No	83237 LCTR-E018
Input	12 VDC / 0.5A Use the power supply included
Interfaccia di controllo	TWIL
Temperatura d'esercizio (t _a)	-20 ÷ 45°C
Peso	246,00g
Normative di riferimento	EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 , EN 61000-6-2: 2005, EN 61000-6-3:2007+A1:2011, EN 55024:2010, EN 301 489-1, EN 301 489-17, EN 300 328, EN 62311:2008



Datasheet English version



Dimensions

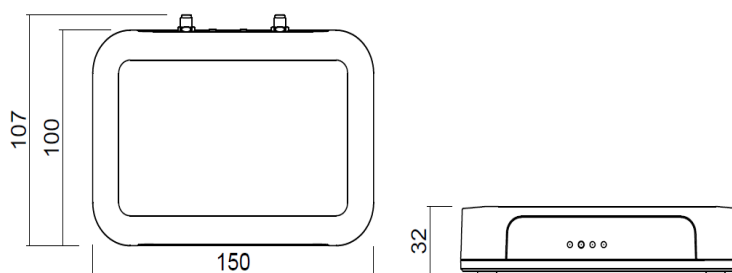


Foto fronte/retro Gateway Twil



BUTTON:

AP	ACCESS POINT
SL	SMART LINK
RESET	FACTORY RESET

Altre informazioni

- The GATEWAY is not suitable for any usage except the ones explained in this documentation.

Warning for the user (RAEE)



At the end of its useful life this product must be disposed professionally as for the UE 2012/19/UE directive. The product must be taken in a waste separation area for electric and electronic devices. The user is responsible for the disposal in the proper facility. An adequate waste disposing contributes in avoiding possible negative effects on the environment and support the recycle of the materials which this device is made of.

For further details consult the Marking Symbols file on the website www.linealight.com

Accessories included

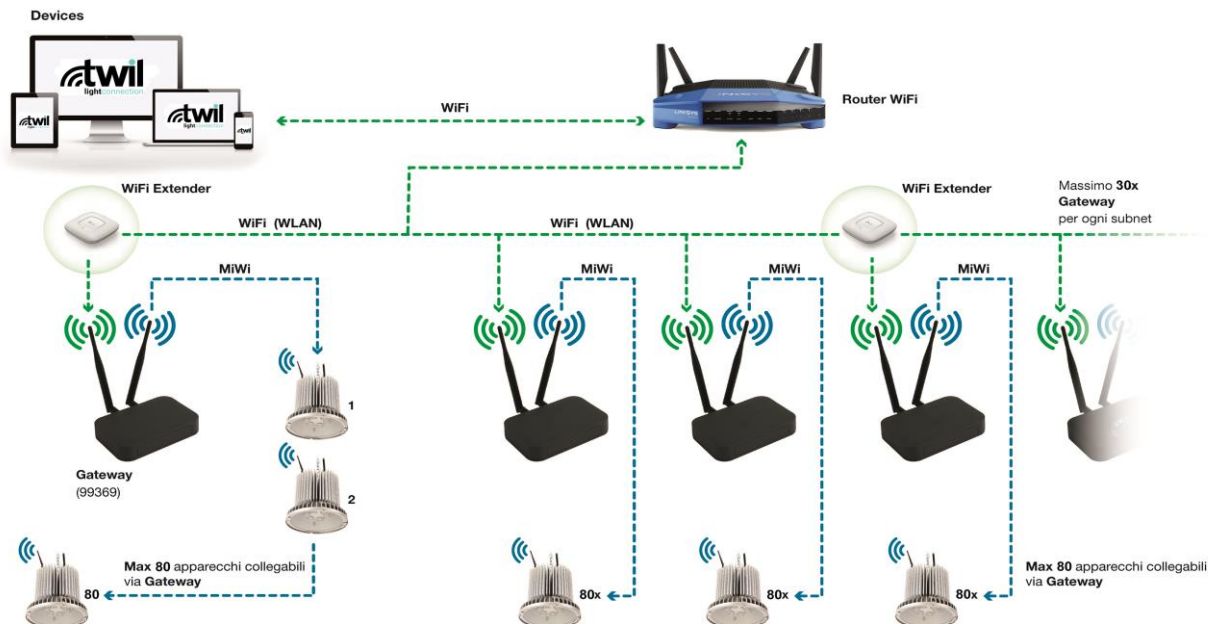
- App Twil downloadable through Google Play Store (Android OS) or Apple Store (iOS), App Windows through the website <http://twil.linealight.com>
- 12V power supply

TWIL

TWIL wireless management system allows the programming and control of lighting fixtures, sensors and full Twil lighting systems through smart devices as smartphones and tablets.

Other than turning on/off and dimming, TWIL grants the control of single devices (up to 80 on a single Gateway, 10 sensors max), the assignment to one or more groups (up to 16) and the programming of 16 lighting scenes.

TWIL can also show informations about the drivers (energy consumption, temperature, lifetime, electrical parameters, etc).

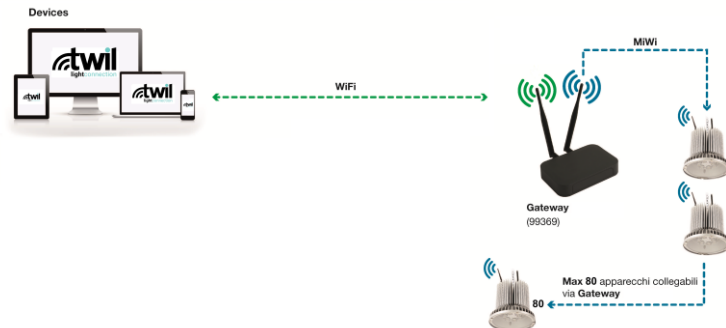


GROUPS

An installation can be divided in functional areas which includes certain drivers and sensors. A "Group" is a logic association of devices located inside an area. All the devices inside a Group can be controlled at the same time. Control over a single device is still allowed as it is over the entirety of the devices (Broadcast management).

Opzioni di funzionamento

1. Access point mode (without a router)



Description:

- Default mode (Factory setting)
- Control of lighting systems independent from the existing network
- Control over a single TWIL Gateway.
- Direct WiFi link Gateway - smart device.
- Access through WiFi: check label on the TWIL Gateway bottom for SSID and password (Warning: network security is disabled by default, access <http://10.10.100.254> to add a password.
- In order to enter the Settings Webpage use the following credentials
Username: admin
Password: admin
- Only two smart devices connection at a time

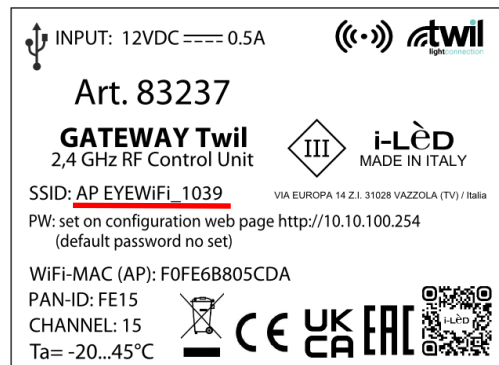
Before starting:

Install the proper TWIL App depending on the smart device:
Google Play Store for Android
App Store for Apple
<http://twil.linealight.com> for Windows App

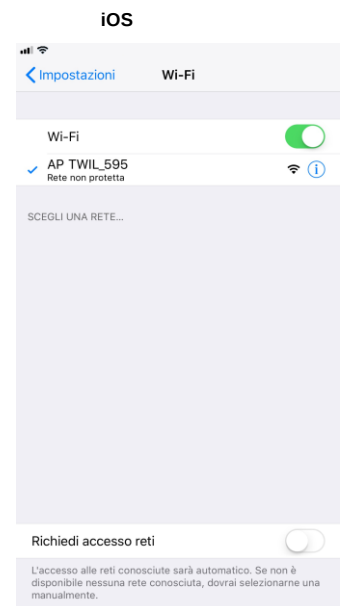
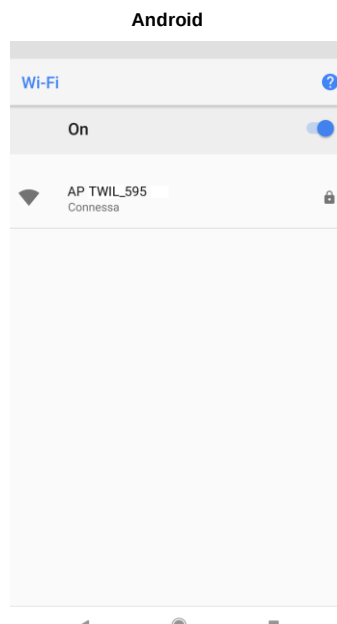
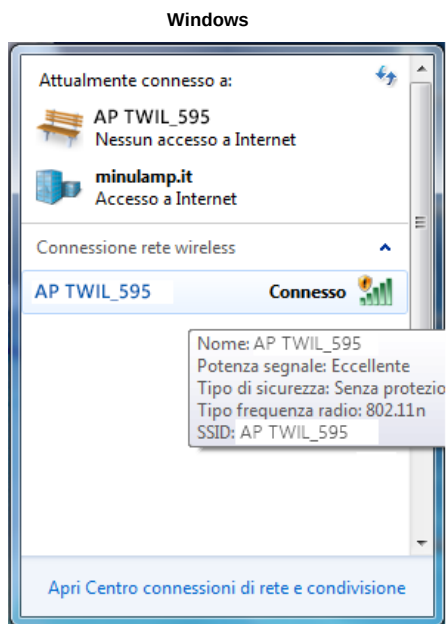
Installation:

- 1- Power the Gateway with the 12V power supply
- 2- The Gateway generates a WiFi network with an SSID corresponding to the one written on the label (bottom of the Gateway).

Example of SSID written on the Gateway label:

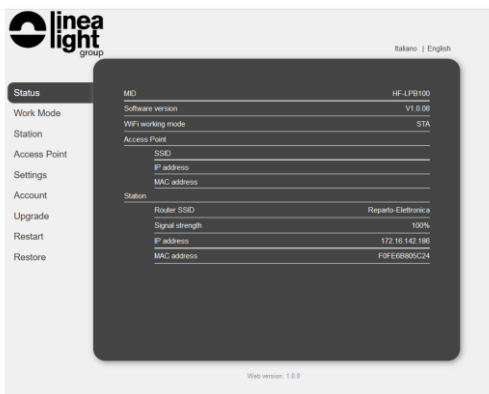


- 2.1 Connect the smart device to the Gateway generated WiFi Network



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- 2- Using a browser (Explorer, Firefox, Chrome, Edge, Safari etc..) it is possible to enter the configuration page on <http://10.10.100.254> to set a password (avoiding unwanted connections) and changing the WiFi name eventually (SSID) as shown in the following images. Click on "Save".



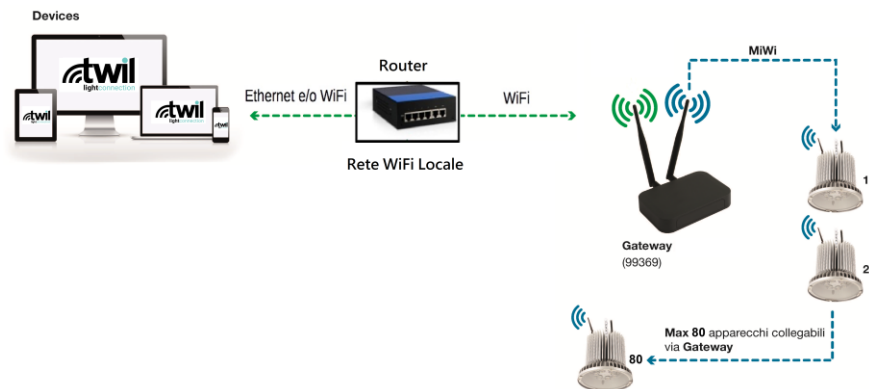
"Save"

"Save"



- 3- Connect to the mains power supply (230 VAC) to the remaining Twil devices (lamps, sensors, etc...)
- 4- Start the App on the smart device and search for the Twil Devices

2. Station mode (with router)



Description:

- Linking Gateway to Router via WiFi
(follow instructions to link the Gateway to your Router).

Before starting:

Download the TWIL App from:
Google Play Store for Android
App Store for iOS
<http://twil.linealight.com> for PC Windows

Installation:

1. Connect the smart device to the existing WiFi network

- 1.1. Check that the READY led  (on the Gateway is blinking (1 time per second))



- 1.2. Enter the configuration webpage on <http://10.10.100.254>
- 1.3. Select "Station"
- 1.4. Use the "Select" button to obtain a list of all WiFi networks available, select the desired one and confirm.
In the "Network Key" field digit the Network password.
- 1.5. Click "Save" and wait for the Gateway to restart. Re-connect if needed and re-enter the webpage.
- 1.6. Select "Work Mode". Select "Station" in the combo Box. Click on "Save" and "Restart" and wait for the Gateway to reboot.
- 1.7. After the reboot the READY led  goes back to blinking 1 time per second while the "SR" (Station Ready) led keeps being on



- 2- Turn on all the TWIL devices (lighting fixtures, sensors) and wait for them to connect to the Gateway (waiting time changes according to the TWIL Devices quantity)
- 3- Set an ID for the Gateway from the App.

FAQ

Make TWIL working

What do I need to make TWIL working?

You need a tablet or smartphone with iOS or Android or a Windows PC and a TWIL Gateway.

Are there any technical requirements?

The technical requirements are:

- A smartphone or tablet with iOS or Android
- A WLAN router for the Station Mode (eventually).
- TWIL uses the MiWi protocol, which uses a similar frequency to the WLAN (2.4GHz). This means the radiowaves can pass through walls. Depending on the walls construction materials some signal problems may appear. The signal can't even pass through conductive materials.

How do I connect new smart devices to the TWIL system?

You need to download the TWIL App from Google Play Store, Apple Store or the website twil.linealight.com depending on the OS used.

How many users can connect simultaneously?

- In Access Point mode (without router) two smart devices can connect at the same time.
- In Station mode (with router) it depends on the router maximum capacity

How do I Search for the lamps?

Enter the TWIL App, search for gateways and inside a Gateway search for any devices (the magnifier glass button).

Do I need internet connection to control the installation?

No, the App works offline.

Using Twil

Can I add Lighting fixtures or sensors to an existing installation?

Yes, up to 80 devices total per Gateway. There is a wizard inside the PC App.

How do I update the Apps?

You simply download the new version when available from the relative store as any other app. The Windows Pc App check for updates on startup if Internet is available.

Can I turn on and off my lamps with a simple switch?

Yes. Once the lamps turn on they will reach a predetermined level of dimming, settable from the App.

Which lamps can I dimm with the App?

All TWIL products can be controlled via the App.

What could happen to my installations if the lights go out?

On the next powering on the lamps will go to maximum dimming by default. This start up dimming level can be changed in the App.

Connection troubles

I can't find any device with the App.

The most probable cause is a missing connection between the smart device and the Router/Gateway. Disabling the "mobile data" make sure you are connected to the WLAN network.

Altre info

Dove sono e schede tecniche, le figure dei prodotti ecc.?

<http://www.linealight.com/site/it/download/>