BITRONICS

LNBCARD ⚡
SHINY BITCOIN PAYMENTS

Learning by building

MULTIPLE EFFECTS

LOW POWER CONSUMPTION

1W

EASY TO CONFIGURE

WIFI PORTAL

OPEN SOURCE

TUTORIAL

THE **LNB**CARD ⚡

The LNBCARD is portable PCB designed to elevate your Bitcoin lightning experience.

This sleek and stylish board is a functional learning tool to showcase a Bitcoin lightning transaction.

Main features:

- Receive payment notifications from ligtning wallets
- Compatible with LNBits, Alby or any LNDHub hosted wallet
- 8 Bolt colors and 3 notifications effects
- Allow powering from USB or external battery
- Nostr integration (*soon*)
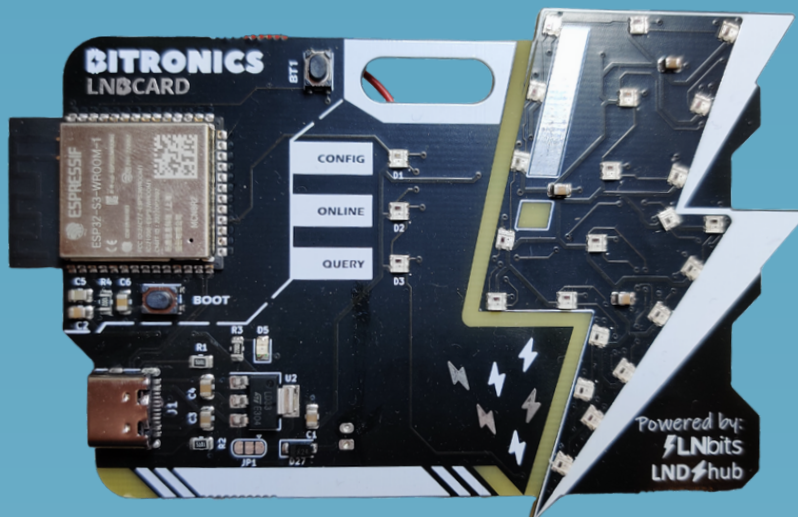
Effect test button

Portable holder hole

Addressable RGB leds

USB/Battery power

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LNBCARD

FULL **SETUP** GUIDE

If you got an LNBCard and need help to create your LNBits or Alby wallet follow the full guide scaning the QR code
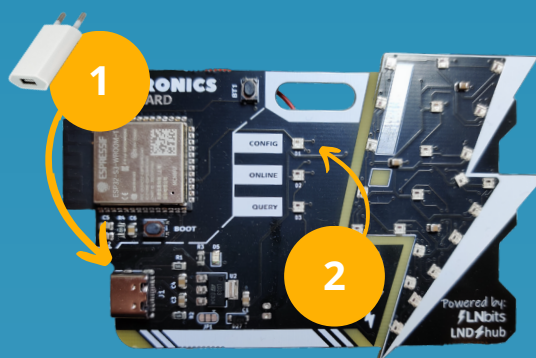
Required time: 20 minutes

TUTORIAL

QUICK SETUP

Required time: 5 minutes

TOOLS NEEDED

1 - Power up your LNBCard to any usb power adapter (5V /1A)

2 - If config led is blinking with blue. Use your phone to scan for Wi-Fi networks and connect to *LNBCardAP with password BoltPower*.
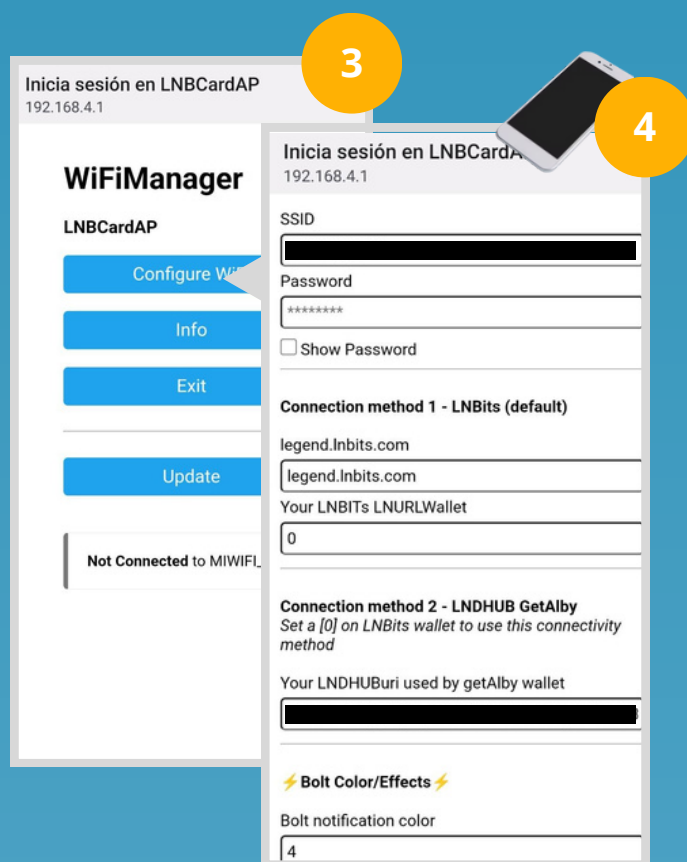
3 - Once connected, the following menu will be shown (2).
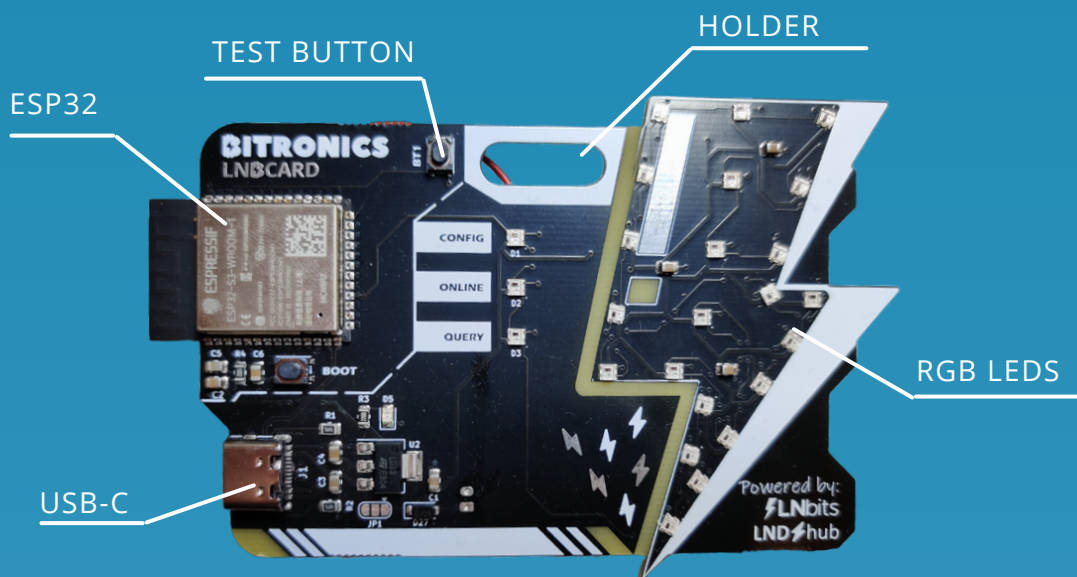Click on *Configure Wifi* to setup.

4 - Setup LNBcard parameters:
- *LNBits:* server to connect and wallet to check. Leave a [0] to use getAlby account
- *LNDHub:* set your LNDHubUri to interface GetAlby wallets or any hosted LNDHub wallet.
- *BoltColor:* set the bolt notification color.
- *BoltEffect*: set the bolt notification effect.

For any problem check full guide or contact Bitronics team.

Inicia sesión en LNBCardAP
192.168.4.1

WiFiManager

LNBCardAP

Configure Wifi

Info

Exit

Update

Not Connected to MIWIFI

Inicia sesión en LNBCardAP
192.168.4.1

SSID

Password

☐ Show Password

Connection method 1 - LNBits (default)

legend.lnbits.com

legend.lnbits.com

Your LNBITs LNURLWallet

0

Connection method 2 - LNDHUB GetAlby
Set a [0] on LNBits wallet to use this connectivity method

Your LNDHUBuri used by getAlby wallet

⚡Bolt Color/Effects⚡

Bolt notification color

4

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ATTRIBUTES

ESP32

TEST BUTTON

HOLDER

RGB LEDS

USB-C

Vcc: 5V
Imax: 100mA
P: 0,5W
USB type: USB-C

Wifi: only 2.4GHz
MCU: ESP32-S3R8 Dual-core LX7 microprocessor
LEDs: RGB WS2812B

FEATURES

CONFIG LED
Blue blink   - On config (connect to LNBcardAP)
Green static - Exists config

ONLINE LED
Blue blink   - Connecting to configured Wifi
Green static - Connected to Wifi

QUERY LED
Blinks on every query to LNservers

CONFIG MODE
Hold BT1 button and power board
Then, setup your board throught wifi portal

TEST EFFECTS
Press BT1 to see all bolt color possible
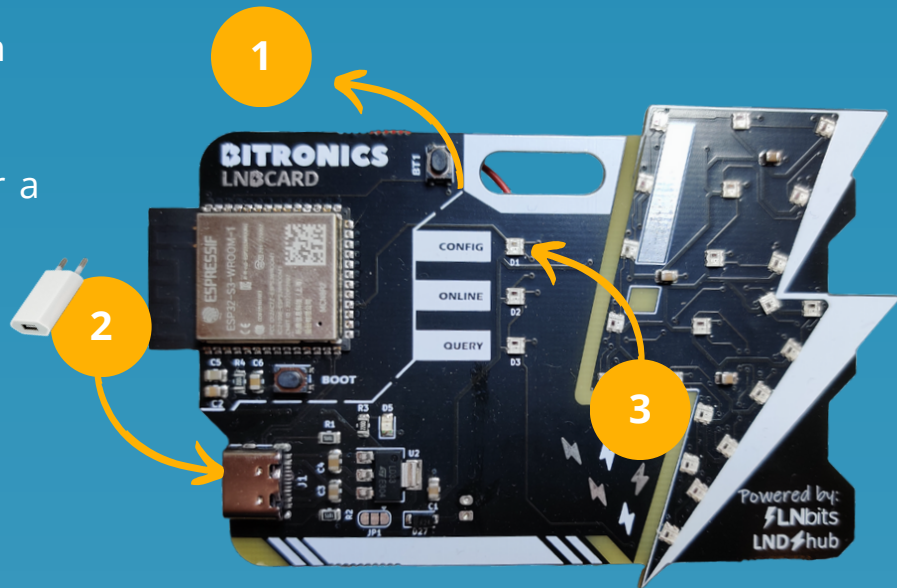DoublePress BT1 to see all effects possible

BITRONICS   **LNBCARD**

FULL SETUP GUIDE

Required time: 10 minutes

Enter on config mode and setup your lightning connection method

ENTER LNBCARD ON CONFIG MODE

1 - Hold BT1 button
2 - Power on board
3 - A blue blink led
     will appear after a
     power on effect

ACCESS TO WIFIPORTAL

Use your phone to **scan for Wi-Fi networks** and connect to *LNBCardAP* with password *BoltPower*.

You can alternatively scan this QR code.

Troubleshooting: If you can't see the wifi portal after connecting to wifi navigate to 192.168.4.1

CONNECT WIFI

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YOUR **LIGHTNING** WALLET

To use the **LNBCard** you will need a lightning wallet. If you don't have one, this guide helps you to create one.

You also can use your own lightning wallet on your node.

CONNECTION METHOD 1 - ⚡LNbits

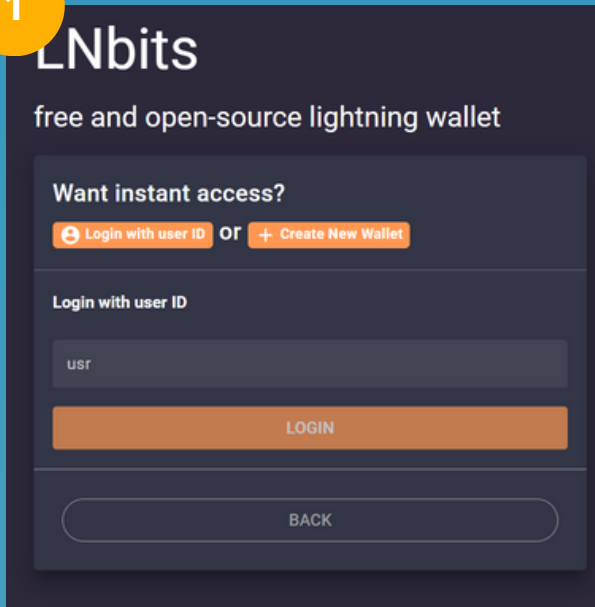**1** **Create an account at LNBItstning wallet**:
Use your LNBits account or login with usr ID.
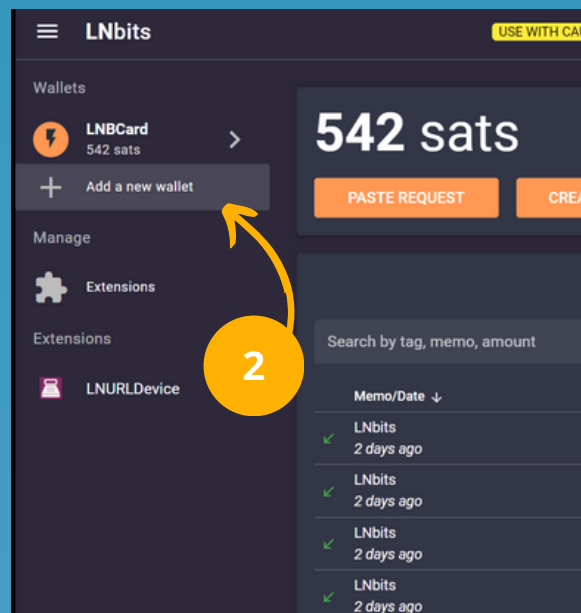Go to *legend.lnbits.com*

2 **Add a new wallet**:
Create a new wallet and give custom name

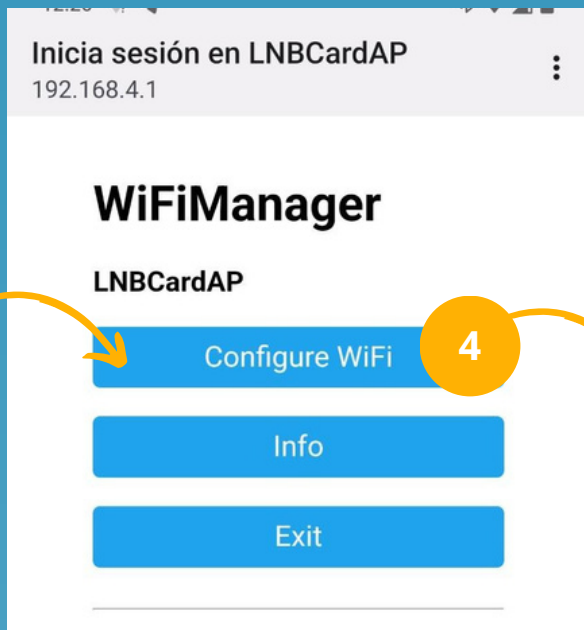*legend.lnbits.com*

3 **Get your wallet ID**:
Use your LNBits account or login with usr ID.
Go to *legend.lnbits.com*
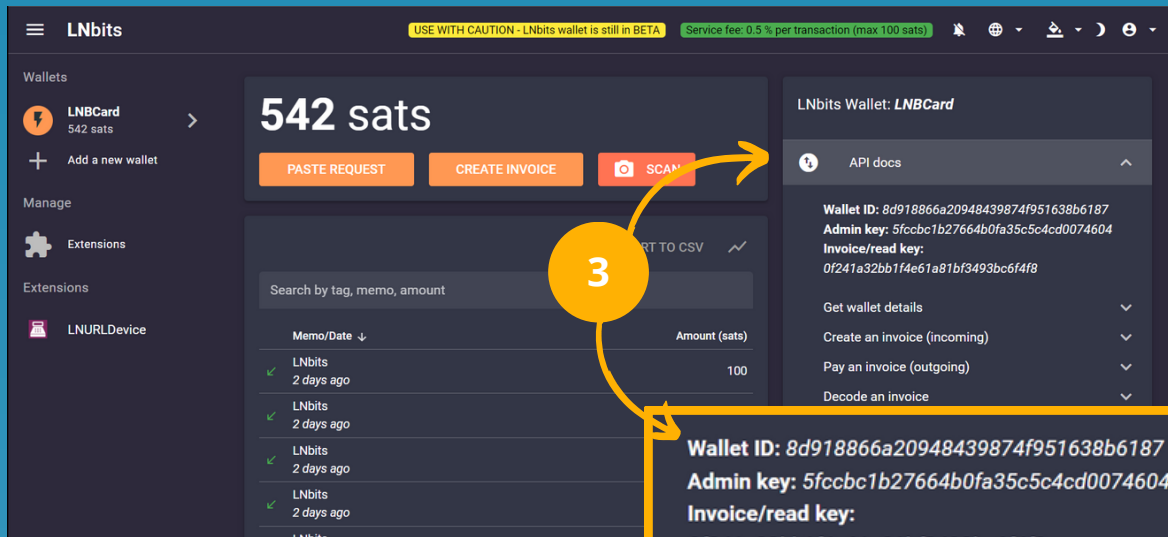
4 **Add your wallet ID**:
Setup your LNbits server or your onion node
address and your Wallet ID
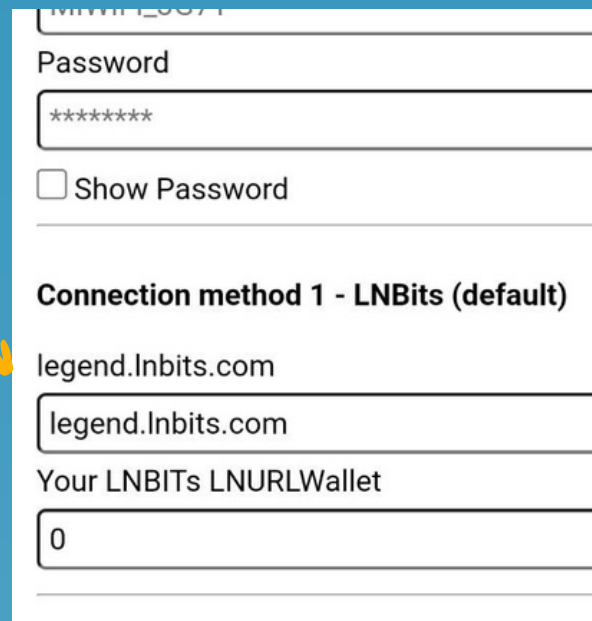
CONNECTION METHOD 2 - LND⚡hub

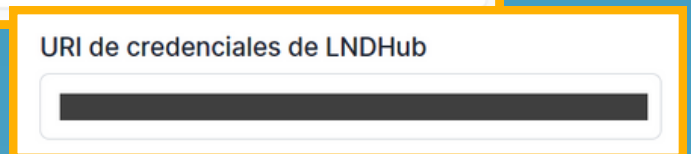With this method you can use any **LNDhub** compatible wallet like the most known nowadays getAlby.
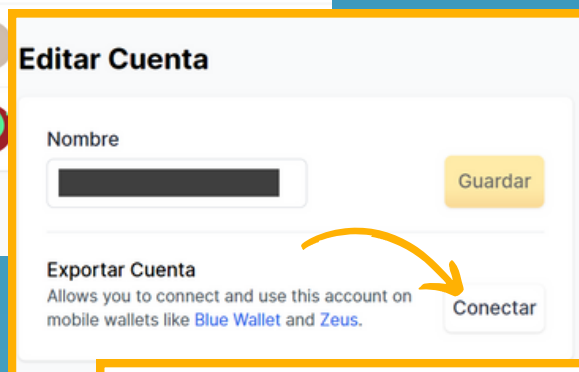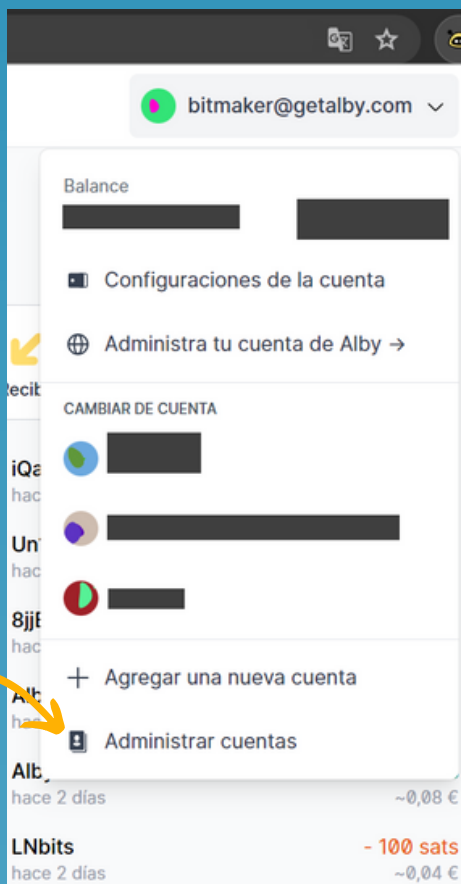
You can also use this method installing LNDhub in your node. You will only need to setup the **LNDhubURI**

INTERFACING WITH 🤖 Alby

1 **Get your LNDhubURI**:
Go to Manage accounts > Click your account > Export account > URI credentials
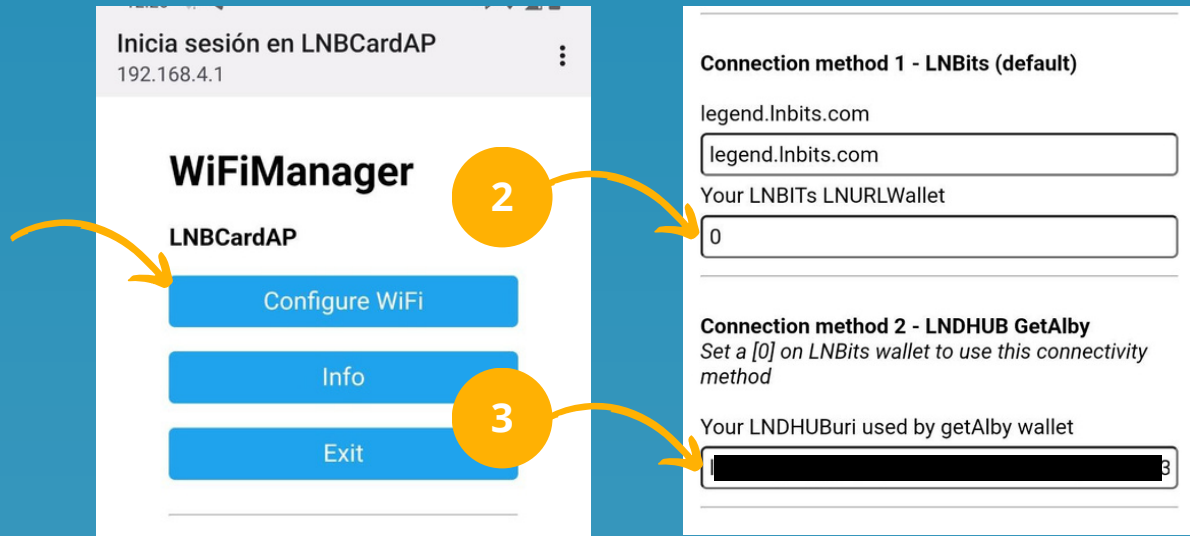
2 **Enable connection Method 2:**
Set a 0 on LNBits Wallet to enable the LNDhub connection method.

3 **Set your LNDhubURI**:
Set your LNDHubURI and press **SAVE**

If you have any other question contact Bitronics Team