

CHECKBOX Setup Manual



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Chapter 1: Getting Started

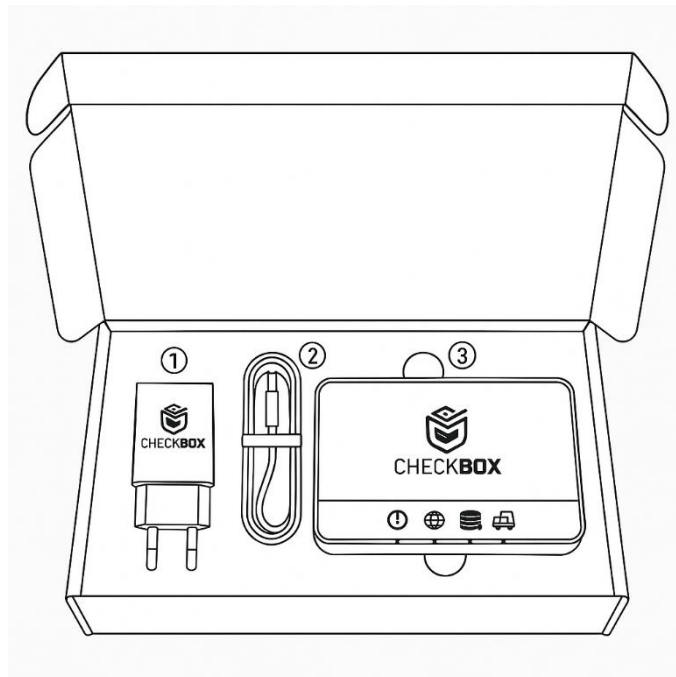
Setting up your CHECKBOX device is quick and straightforward. Please follow the steps below carefully to ensure proper operation and to avoid damage.

What's in the box

Upon opening the packaging, you will find the following items:

1. USB Power Adapter (CHECKBOX branded – 5V/2.5A output)
2. USB-C Power Cable
3. CHECKBOX Device

 *Note: The USB cable is stored beneath the cardboard layer between the adapter and the device.*



Connecting Power

Plug the USB-C cable (2) into the CHECKBOX device (3), and connect the other end into the **included USB Power Adapter (1)**. Then, insert the adapter into a standard power outlet.

Important Warning:

Only use the provided CHECKBOX power adapter.

Third-party USB adapters — especially fast chargers — can output unstable voltages, which may **irreparably damage your CHECKBOX**.

Warranty is void if a non-approved power source is used.

Rear Panel Overview

The back of the CHECKBOX device features three key hardware interfaces:

1. **USB-C Power Input**

Connect the included USB-C cable to this port. Only use the supplied CHECKBOX power adapter to avoid damage.

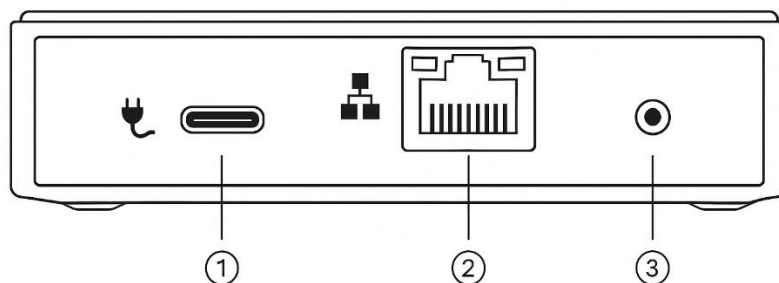
2. **Ethernet Port (LAN)**

Use this port to connect the device to your local network via a standard RJ45 Ethernet cable.

3. **Multi-Function Button**

This recessed button serves two functions depending on how long it is pressed:

- **Short press (<2 seconds):** Soft reboot of the device
- **Long press (>5 seconds):** Reset of the **network configuration** to factory defaults (Wi-Fi credentials, static IP settings, etc.).



Connecting to the Internet

Once powered, the CHECKBOX can connect to the internet in one of two ways:

Option A: Wired Ethernet

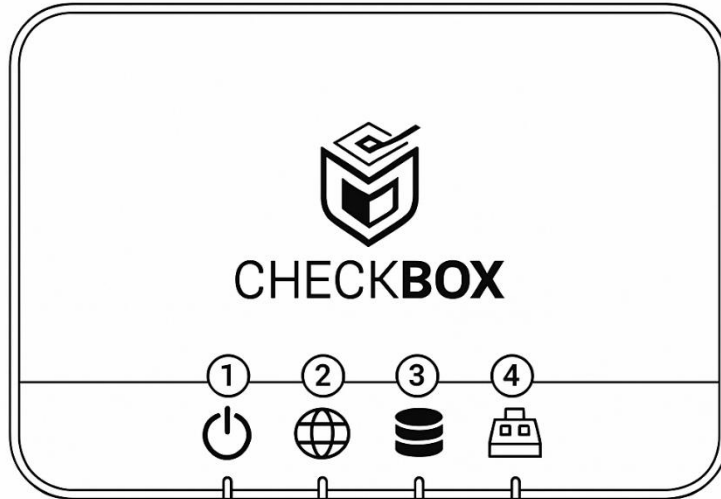
Simply plug a standard Ethernet cable (RJ45) into the port marked with the network icon on the back of the device. The CHECKBOX will automatically attempt to obtain a connection via DHCP.

Option B: Wireless Wi-Fi

You can also connect the CHECKBOX to your local Wi-Fi network. For this you need to connect the box once on via Ethernet to set the correct WIFI credentials. Scanning the QR code on the box will guide you to the unit page of your unit on the checkbox tools website. Click on the “settings” button to set the WIFI credentials.

Chapter 2: LED Indicators

The CHECKBOX device is equipped with four front-facing LED indicators. These provide real-time visual feedback regarding the device's operational status and connectivity.



Each LED corresponds to a specific function:

LED	Icon	Function
①	Power	Device/system status
②	Network	Internet & cloud connectivity with FOD server
③	Buffer	Data buffer usage
④	POS	Communication with POS system

LED ① – Power Indicator

This LED reflects the general status of the device:

Color	Meaning
Blue	Booting / Initializing
Yellow	Shutdown in progress
Green	Device is ready and fully operational
Red	System error detected
White	Update in progress (flashing)
Off	No power supplied

LED ② – Network (FODFIN) Indicator

This LED shows the status of the connection to the Internet and the FODFIN backend.

Color	Meaning
 Blue	Establishing connection
 Yellow	Only LAN Connection (no connection with WAN/FODFIN)
 Green	Successfully connected to WAN/FODFIN backend
 Red	Unsuccessful FODFIN cloud communication
 Purple	Cloud connection manually disabled
 Off	No power supplied

LED ③ – Buffer Indicator

Displays the status of the internal data buffer (used to temporarily store transactional data).

Color	Meaning
 Blue	Initializing buffer
 Yellow	Buffer nearing capacity
 Green	Buffer has sufficient free space
 Red	Buffer is full or write failure
 Off	No power supplied

LED ④ – POS Communication Indicator

Shows real-time interaction status with the connected POS system.:

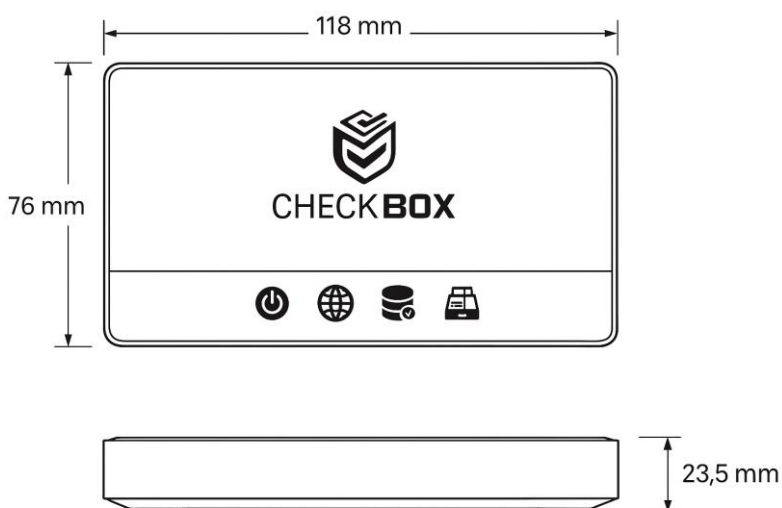
Color	Meaning
 Blue	Booting / Initializing
 Yellow	A non-critical FDM warning is active
 Green	The FDM is ready for use
 Red	A critical FDM error is active
 White	A POS query is being processed
 Off	No power supplied

Chapter 3: Physical and Electrical Specifications

The CHECKBOX device is designed for compactness, low power consumption, and robust operation in typical commercial environments.

Dimensions & Weight

Property	Value
Dimensions	118 mm × 76 mm × 23.5 mm
Weight	± 125 g



Power Specifications

The CHECKBOX device operates on low voltage DC power and is optimized for energy-efficient performance.

Parameter	Value
Input Voltage	5 V DC
Input Current	Up to 1.5 A
Peak Power Consumption	7 W
Typical Power Consumption	4 W during normal operation

Environmental Operating Conditions

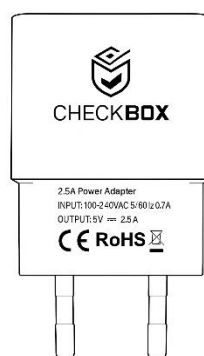
Property	Value
Operating Temperature	0 °C to +45 °C
Storage Temperature	-10 °C to +60 °C
Humidity	90% maximum relative humidity, noncondensing

⚠ The CHECKBOX is designed for **indoor use only**. Exposure to moisture or extreme conditions may affect functionality and safety.

Power Adapter Specifications

The CHECKBOX device is supplied with a certified USB power adapter, compatible with standard European wall sockets.

Parameter	Specification
Input (AC)	230 V ~ 50 Hz
Output (DC)	5 V DC @ 2.5 A
Output Connector	USB-A female port
Cable Included	USB-A to USB-C cable



⚠ *Only use the official CHECKBOX power adapter. Use of incompatible chargers may result in hardware damage or unpredictable behavior.*

Chapter 4: Regulatory Compliance & Interface Specifications

The CHECKBOX device has been designed and manufactured in compliance with applicable international standards for safety, electromagnetic compatibility (EMC), and wireless communication. This chapter provides an overview of the relevant certifications and the technical characteristics of the device's network interfaces.

Regulatory Compliance

The CHECKBOX device conforms to the following European and international regulations and standards:

Regulation / Standard	Description
CE (RED 2014/53/EU)	Ensures compliance with health, safety, EMC, and radio spectrum use
RoHS (2011/65/EU)	Restricts use of hazardous substances in electrical and electronic equipment
EN 55032 / EN 55024	EMC emissions and immunity requirements for IT equipment
EN 62368-1	Safety standard for AV and ICT equipment
ETSI EN 300 328 / EN 301 489-1/17	Applicable standards for 2.4 GHz Wi-Fi devices under the RED directive
REACH	Compliant with EU chemical safety regulation

The CHECKBOX has been independently tested and verified to meet the essential requirements of the EU directives mentioned above.

An official **Declaration of Conformity (DoC)** is available as part of the product documentation.

Interface Specifications

The CHECKBOX supports both wired and wireless network connectivity. The following table summarizes the interface specifications:

Wired LAN (Ethernet)

Feature	Specification
Interface Type	RJ-45 (8P8C)
Standards Supported	10BASE-T (IEEE 802.3), 100BASE-TX (IEEE 802.3u)
Data Rate	10/100 Mbps
Auto-Negotiation	Supported
Cable Type	Cat 5e or higher (UTP/STP)

Wireless LAN (Wi-Fi)

Feature	Specification
Antenna Type	Integrated PCB antenna
Standards Supported	IEEE 802.11 b/g/n
Frequency Band	2.4 GHz only
Max Data Rate	Up to 72.2 Mbps (802.11n, 20 MHz, 1 stream)
Security	WPA2-PSK

Note: The CHECKBOX does not support 5 GHz Wi-Fi (802.11a/ac).