

Connect Box Plus Manual (EN)

Thank you for purchasing a ConnectBox Plus (75975) and using it through your FluidraConnect connection. The ConnectBox Plus is the control centre for your pool. Pool professionals can use it to configure and maintain your pool through the internet. The end user (pool owner) can use the ConnectBox Plus and its functions for pool entertainment, enjoyment and peace of mind through an app, which you can download free of charge from the App Store® and/or Google Play®. The ConnectBox Plus is not a consumer good. It must be installed by a qualified professional. Once it has been installed, it communicates with FluidraConnect compatible devices through the Modbus communications protocol, allowing remote management. End users can request support, maintenance or any other kind of intervention from a qualified professional, whether the person who installed it or another from the list provided in the app.



TECHNICAL SPECIFICATIONS

Power supply circuit	
Power	85 ... 264 VAC / 120 ... 300 VDC
Frequency	47 ... 63 Hz
Consumption	5.8 ... 7.5 VA / 4.4 ... 4.5 W
Single-phase power supply connector	V3 - N
Control unit	
CPU	ARM Cortex-A7 up to 900 MHz
RAM memory	DDR3 up to 512 MB
Flash Memory	Up to 32 GB eMMC or up to 512 MB NANO
Clock	RTC with supercapacitor for time storage
Environmental conditions	
Temperature range	-20 +50°C
Humidity range	5..... 95%
Maximum working altitude	2,000 m
Mechanical characteristics	
Use	Indoor
Case material	Self-extinguishing UL94 - VO Plastic
Protection rating	IP20
Pollution degree	Degree 2
Dimensions (Width x Height x Length)	87.5 x 88.5 x 48 mm (5 DIN rail modules)
Weight	90 g
Mounting	DIN rail 46277 (EN 50022)
Connectors	Removable terminals. Max. cable width 1.5 mm ²
Electrical characteristics and safety	
Safety	CAT III 300 V in accordance with EN 61010
Electric shock protection	Double insulation class II
Insulation	3 kVAC
Wireless interface	
Wi-Fi	802.11 b/g/n (2.4 GHz)
Maximum RF power transmitted by Wi-Fi (EIRP)	18.7 dBm (EN 300328 V2.2.2)
BT (optional)	4.2
Serial interface	
Type	RS-232/485
Speed	9600 ... 115200 bps
Network interface	
Type	Ethernet
Working speed	10/100 Mbps
Standards	
Regulations	UNE EN 61010-1, UNE-EN 61000-6-2, UNE-EN 61000-6-4

SAFETY AND INSTALLATION INFORMATION

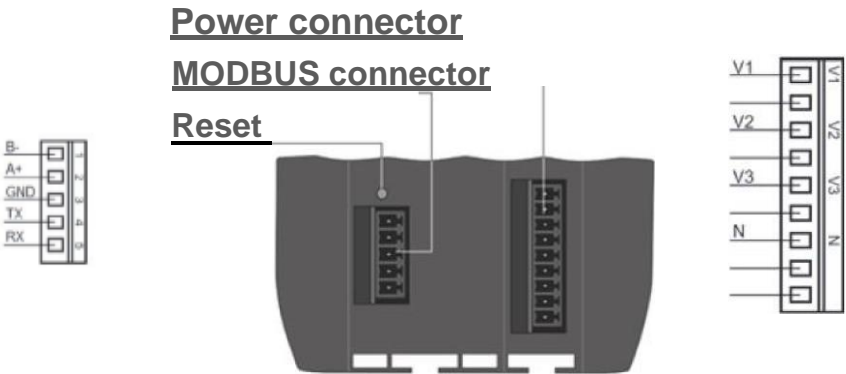
- 1. Do not use connection cables that are not in perfect condition.
- 2. Use the equipment only for its intended use.
- 3. Do not modify the ConnectBox Plus, otherwise the warranty will be void.
- 4. Strictly comply with the safety regulations in force in your country.
- 5. Do not tamper with the equipment when it is connected to the mains.
- 6. Only qualified personnel must have access to live parts of the installation.
- 7. The installation must be carried out in accordance with the LVD Directive.
- 8. Do not supply non-recommended power to the equipment.
- 9. Use the equipment only for its intended applications.
- 10. Install the equipment in a ventilated location that is not exposed to chemical fumes.

&	Before carrying out any installation, repair or handling any of the equipment's connections, the device must be disconnected from all power supply sources. If you suspect that the equipment is malfunctioning, contact after-sales service. The equipment's design allows for quick replacement in the event of a breakdown.
	The equipment manufacturer accepts no liability for damages if the user or installer fails to follow the warnings and/or recommendations stated in this manual or damages resulting from the use of non-genuine products or accessories or those of other brands.

The equipment must be connected to a fuse-protected power supply circuit type GL (IEC 269) or type M, between 0.5 and 2A. A circuit breaker or equivalent device must be fitted to disconnect the equipment from the mains supply. The power supply and voltage measurement circuit must be connected with cable with a minimum cross-section of 1 mm².

&	IMPORTANT Bear in mind that when the equipment is plugged in, the terminals may be dangerous to touch. Opening covers or removing items may give access to parts that are dangerous to touch. The equipment must not be used until installation has been fully completed.
	DANGER This is a hazard warning that personal injury or property damage may result from improper installation or handling of the equipment. In particular, handling the equipment while it is plugged in may result in death or serious injury by electrocution to the person handling it. Faulty installation or maintenance also entails the risk of fire. Read the manual carefully before plugging the equipment in. Follow all installation and maintenance instructions throughout the equipment's lifetime. In particular, comply with the installation regulations in the National Electrical Code.




CONNECTIONS



INITIAL INSTALLATION FOR THE PROFESSIONAL USER

Before installation, connect the product to the power supply and the internet for at least one day so it can connect to the update server and save the latest version of the internal software.

FRONT LED INTERPRETATION GUIDE

	LED	Process	Description
	Connect Box Plus status	Connect Box Plus activity	<ul style="list-style-type: none"> - Flashing blue LED: starting up. - Flashing red LED: Connect Box Plus OK. - Flashing LED, alternating red and blue: Connect Box Plus OK and connected to the server. - Green LED ON: Connection to the server.
	Wi-Fi network	Connect Box Plus Wi-Fi network	<ul style="list-style-type: none"> - Green LED ON: Wi-Fi client mode² connected. - Flashing green LED: Wi-Fi access point mode¹. - Green LED OFF: Wi-Fi client mode² not connected.
	Power supply	Connect Box Plus power supply	<ul style="list-style-type: none"> - Green LED ON: Connect Box Plus connected to the power supply. - Green LED OFF: ConnectBox Plus not connected to the power supply.

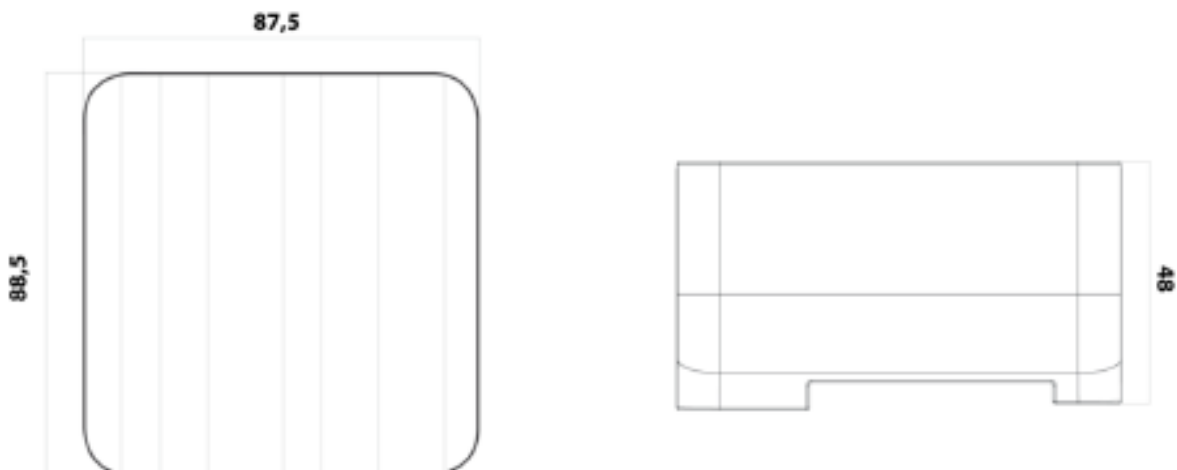
¹Wi-Fi access point mode: The ConnectBox Plus creates a Wi-Fi network with the serial number as the name (SSID) and the control digit as the password.

²Wi-Fi client mode: The ConnectBox Plus connects to another Wi-Fi network assigned by the professional.

RESET BUTTON

- Pressing for more than 20 seconds starts a factory reset. This erases any user-created settings and reverts to the software version with which it was manufactured. Warning! This paragraph describes how to reset certain parameters of your ConnectBox Plus. It must be performed by a professional and cannot be carried out by an end user. Depending on your installation, resetting may result in total or partial loss of settings data.
- Keep pressed for 5 seconds to switch the ConnectBox Plus to access point mode if its previous status was Wi-Fi client (see the footnote for the previous point).

DIMENSIONS



HELP AND CUSTOMER SERVICE

In case of doubt or an

1. Contact the professional who sold/installed the equipment.
2. If the incident cannot be resolved, contact Fluidra Commercial Customer Service in your country.

Disposal of obsolete electronic



1. All electrical or electronic equipment must be disposed of separately from the municipal waste collection service through the collection points designated by the government or local authorities.
2. Proper disposal of unusable devices helps to prevent potential risks to the environment and public health.
3. For more information on how to dispose of obsolete equipment, contact the waste collection service or the business you purchased the product from.

WARRANTY

Fluidra Comercial, in the country of sale of this product, offers a two-year warranty for the “ConnectBox Plus” product (hereinafter, the “Product”) from the date of delivery of the product to the consumer by the seller, subject to the terms and conditions described in this warranty.

This warranty covers the following parts of the Product:

- ConnectBox Plus

In accordance with these provisions, the seller warrants that the Product will be free from defects or non-conformities during the warranty period.

Warranty claim conditions:

- (a) Strictly follow the manufacturer's instructions in the documentation accompanying the Product;
- (b) Present the invoice for the Product or the delivery note if it is dated later than the invoice;
- (c) Report the non-conformity within two months of becoming aware of it.

This warranty covers the repair or replacement of the defective Product or parts or, when applicable, a reduction in the price or termination of the agreement if the first two could not be performed.

The consumer must contact the seller's Authorised Technical Service to submit a warranty claim.

Exclusion

Under no circumstances will there be a non-conformity, and therefore the Fluidra Commercial country warranty will not apply, when the defect or non-conformity in this Product is due to:

- (a) Unauthorised modifications to the Product;
- (b) Misuse, abuse or negligence in use of the Product;
- (c) Incorrect installation or commissioning of the Product, or installation by an unauthorised person;
- (d) Damage caused to the Product by force majeure or an act of God;
- (e) Failure to perform the preventive maintenance stipulated in the instruction manual;

Any other warranty right not expressly mentioned herein is excluded.

LIMITATION OF LIABILITY

Fluidra, SA reserves the right to make modifications, without prior notice, to the device or equipment specifications stated in this instruction manual.

Fluidra, SA makes the latest versions of the device specifications and more up-to-date manuals available to its customers on its website.