USER MANUAL PORTABLE CHARGE 16A

EVSE PORTATIL V1.0

AUTHORS

Deepsea Developments

DEEPSEA DEVELOPMENTS
2023

IMPORTANT SAFETY INSTRUCTIONS

WARNING: To reduce the risk of fire, electric shock and serious injury, observe the following.

- Installation work and electrical wiring must be performed by qualified persons in accordance with all applicable codes and standards.
- When cutting or drilling into the structure, do not damage electrical wiring and other utilities. Concealed.
- Use this device only as intended.

CAUTION: Installation of this device must be in accordance with all national and electrical codes.

CAUTION: Use caution and common sense when powering devices. do not connect to a damaged power source.

WARNING: Power must be disconnected before installation and service, cleaning and other user maintenance. Failure to disconnect power may result in the risk of fire, electric shock and serious bodily injury.

Table of Contents

1. INTRODUCTION	4
2. IMPORTANT SAFETY INSTRUCTIONS	5
3. CAUTIONS	5
4. PRODUCT SPECIFICATIONS	6
5. SETTINGS - PORTAL SETUP	7
6. CHARGING YOUR VEHICLE	9
7. TROUBLESHOOTING - INDICATOR LIGHTS	11
8. PACKAGE LIST	12
9. WARRANTY	12

1. INTRODUCTION

The 16A EVSE DSD Portable Charger is a device in charge of energy management for charging electric vehicles.

The device has several modules, the first one is in charge of controlling the relays that are connected to the electrical network that will feed the vehicle and the control and monitoring system that will be in charge of managing the load. These circuits will monitor the currents and voltages that circulate in the system in order to guarantee operation within the recommended safety parameters for charging electric vehicles.

Please Note

This user's manual includes the latest information available at the time of printing. Deepsea reserves the right to make changes to this manual or product without further notice. Changes, modifications, or repairs to this product by parties other than an authorized service provider could void the product warranty.

FCC Information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

Warning: Changes or modifications to this unit not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement

This equipment complied with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

UL Certified
UL Recognized - Cable: (UL) E498724

2. IMPORTANT SAFETY INSTRUCTIONS

Read these instructions, and the charging instructions in your vehicle owner's manual, before charging your electric vehicle. Failure to do so may result in serious injury or death.

Symbol Usage
Take special note of all information marked with the following symbols:

	"Non - recyclable" mark: located on the product, instruction manual or package, indicating that electrical and electronic equipment and its accessories should be treated separately from ordinary household waste. When scrapped, it should be treated as industrial waste, otherwise it may cause accidents.
	Warning sign: indicates danger. Pay attention to the personal injury that may be caused by an operation procedure or incorrect operation. Actions after the "warning" mark can only be performed when the conditions indicated by the condition are fully understood and satisfied.

Additional Safety Information

- When the charger connector is properly connected to the vehicle receptacle, the vehicle propulsion system is disabled. The output cable has a safety break-away feature in case the vehicle is moved or unintentionally rolls away from the parking location with the cable connected to the vehicle. The safety break-away feature will allow output cable separation from the Charging if the output cable is yanked or pulled with excessive force.
- The output cable should be coiled up on the hanger when not in use to minimize damage to the cable and eliminate the possibility of tripping.

3. CAUTIONS

ELECTRIC SHOCK CAN KILL.
Touching live electrical parts can cause fatal shocks or severe burns.

The input power circuitry and internal circuits are live whenever input power is on.

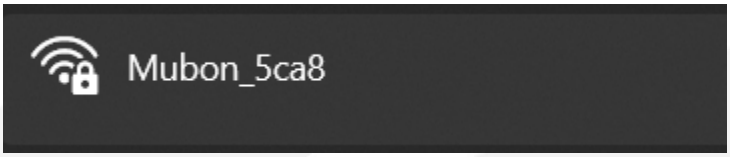
Do not step on the cable, do not pull it, do not fold it up and do not knot it.
Do not drop the control unit or put heavy items on it.
Do not place the charging cable near high-temperature objects.
Do not use the device in extreme temperatures, normal operating range (-22°F to +122°F).
Make sure that the charging plug, the cable and the control box are free from any signs of Scratches, rust, cracks, etc.
Do not charge if the power outlet is damaged, rusted, cracked or loosely connected. Make sure the power plug and outlet are compatible before use.

4. PRODUCT SPECIFICATIONS

Característica/ Funcionalidad	Descripción
Rated Power	1.7 (120) - 3.2kW (240V)
Voltage	110-240V AC
Frequency	50Hz/60Hz
Max Current	16A
Electrical protection	Overvoltage, Overcurrent, Ground Fault, Ground Fault Circuit interrupter
Charging Out connector	Type 1, Type 2 y GBT plug
Working temperature	-30℃~60℃
Storage temperature	-40℃~70℃
Installation Method	Floor-stand
Safety Standard	EN 61851-1
Material	ABS
Dimensiones	24cm x 8cm x 5cm
Weight	2.9Kg
IP Degree	IP54
Connectivity	
WIFI	802.11 b/g/n (2.4GHz)

5. SETTINGS - PORTAL SETUP

When the card is energized, it will create a red wireless call Mubon_xxxx where the x represent the last 4 digits of the MAC of the device, in the following image you can see where 5ca8 are the last characters of the MAC, the key is: "DeepSmile" without the quotation marks



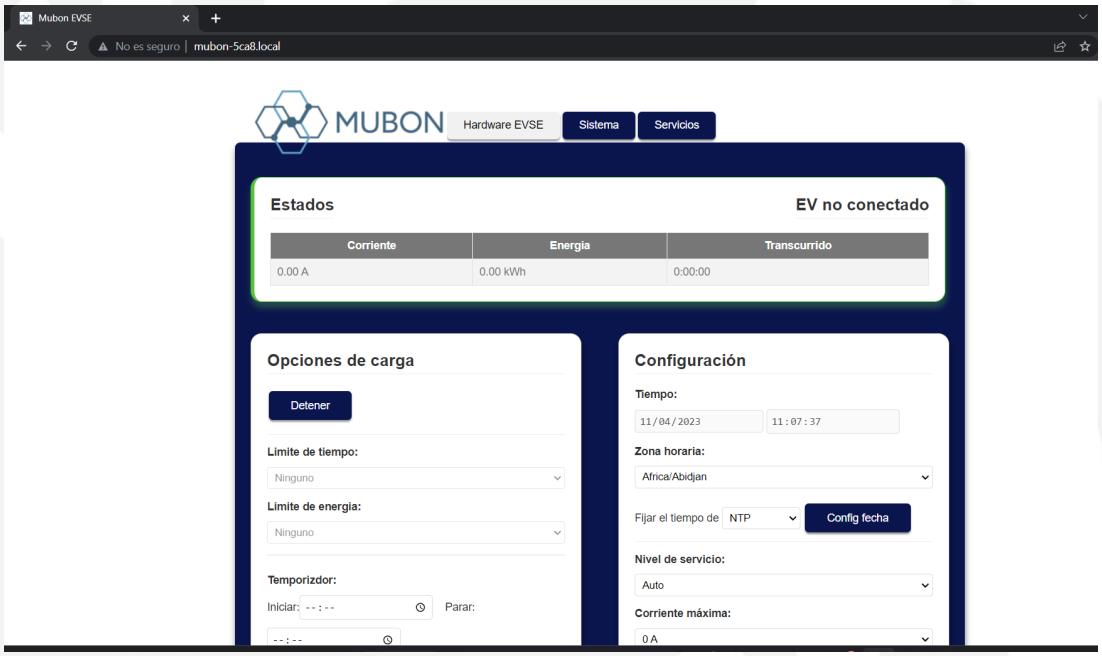
Then it will redirect you to the preferred search engine at the following address: http://192.168.4.1/, here it will load a page

Here on this page we go down and it will allow you to load the SSID and password of the WiFi network that will be provided to the EVSE-WiFi card. In the following image, a network can be seen as an example and we can enter the data of the WiFi network

You must enter the data and save the changes with the "Connect" button.

At that moment the page will provide you with 2 links where you can see that the EVSE-WiFi card is connected to the internet

After entering the Link http://mubon-5ca8/ you will see the following web page.



With this you verify that the EVSE-WiFi card is connected to the internet and you will be able to use the functionalities of the charger

6. CHARGING YOUR VEHICLE

NOTE:

Ensure that the car is parked and the engine is turned OFF.
Ensure the EV charger is not damaged before use.
Ensure to finish Setting configuration (Step 5) before connecting the Charge coupler to your vehicle.

1. Insert the charging plug into an appropriate wall outlet. If your home voltage is Level 1 (120V), please connect and use the 5-20 adapter. If your home supports 240V, you can use Level 2 charging with 14-50 plug/outlet connection

2. When you plug the portable charger, you see the green light indicating that the charger is ready to be used.

3. Plug the Charge Coupler into your vehicle's charging outlet until it clicks. Once latched, the Charge Coupler will not disengage until the release button has been pressed manually

- **Plug connected**: The yellow light indicates that the charger is connected to the vehicle, and is waiting for the car to enable the battery charging process.

4. Charging begins automatically. Power will be delivered in accordance to the demand of the vehicle. During charging, the Charging Indicator light on the LED display will blink continuously. You can also verify the vehicle charging status by checking your vehicle's charging panel "dashboard gague". Refer to the vehicle owner's manual to find the location of the gauge on your dashboard.

- **Charging:** The blue light indicates that the EVSE is charging

5. When the vehicle is fully charged, the Charging Indicator light will stay solid. Your vehicle's "dashboard gauge" can be used to verify that the vehicle is fully charged.

6. Disconnect the Charger when the charge is completed by pressing the release button on the Charge Coupler and removing it from the vehicle

7. TROUBLESHOOTING - INDICATOR LIGHTS

- **Error**: The red light indicates that there is a problem that does not allow charging.

If the charger turns red when it is turned on, it means that the electrical network is not in a condition to be able to carry out the vehicle charging process. This can be due to:

- ground fault
- Overvoltage

For more information on the error please check the configuration portal.

If the light turns red during the charging process, it is because there is an error while charging the vehicle. This may be due to:

- Problem connecting the charger with the vehicle
- overcurrent
- Battery heating

For more information on the error please check the configuration portal.

8. PACKAGE LIST

1. Portable Electric Vehicle Charger x 1
2. Instruction Manual x 1
3. 14-50 to 5-20 Adapter x 1

9. WARRANTY

Contact us by email: soporte@dsd.dev
Register and Submit your product warranty details:
dsd.dev.com/support
Website: dsd.dev