enelion

Utility:
DealerToolbox

Utility user manual

version 3.0.0

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Contents

1.Main architectural changes in the system

DealerToolbox version 3.0.0introduces fundamental changes to the way the application works. The most important differences compared to version 2.9 are summarized below.

1.1. Full offline mode

> ⓘ **INFO**
>
> The application no longer requires an internet connection or server-side verification via OCPP. All write and read operations are performed locally — on the charger controllers and on RFID cards.

1.2. Removal of the login screen

The user authorization step using Administration Panel credentials has been removed. The program launches directly into the unified main menu.

1.3. Writing UID6 to the card

Artificial numbers and proxies synchronized with the online database have been completely abandoned. The RFID card now stores the physical offline group identifier (**UID6**) directly in the tag's memory.

2. Installation and startup

The application does not require installation. Afterunpacking the downloaded package, run the executable file dedicated to your operating system. The program automatically initializes the interface and switches to a single, central management view.

> ⓘ **INFO**
>
> In version 3.0.0 there is no longer a login screen. After running the executable file, the program goes straight to the main menu.

Hardware requirements

- A computer running Windows.
- A dedicated Enelion RFID reader connected to a USB port.

3. New main menu view

After launching the application, you gain instant access to a simplified, single-level tiled menu.

Fig. 1. *The unified main menu of the DealerToolbox v3.0.0 application.*

1. **User RFID cards manager** — a tool for directly programming groups on physical tags.

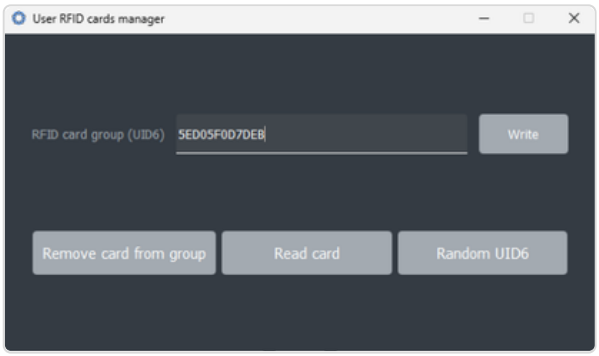

Fig. 2. *User RFID cards manager.*

2. **Charger configuration manager** — used to configure new devices based on the panel serial number.

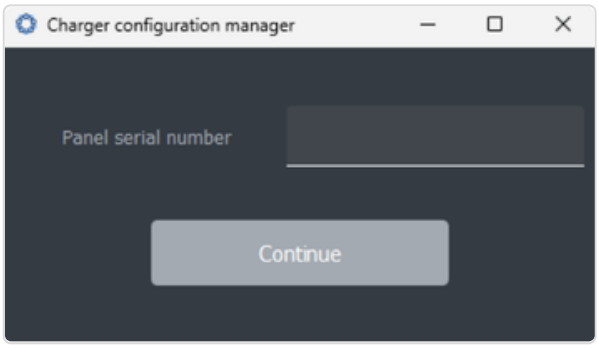

Fig. 3. *Entry to standard configuration.*

3. **Charger configuration manager (Replaced PCB)** — a service mode dedicated to devices after main board replacement (requires the serial number, PCBA ID and socket selection).

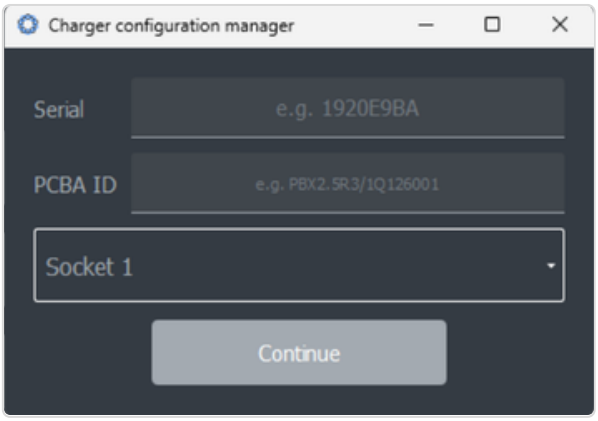

Fig. 4. *Service mode — electronics replacement.*

4. **About** — an information card containing the soft- ware version (v3.0.0) and copyright information (© Enelion 2026).

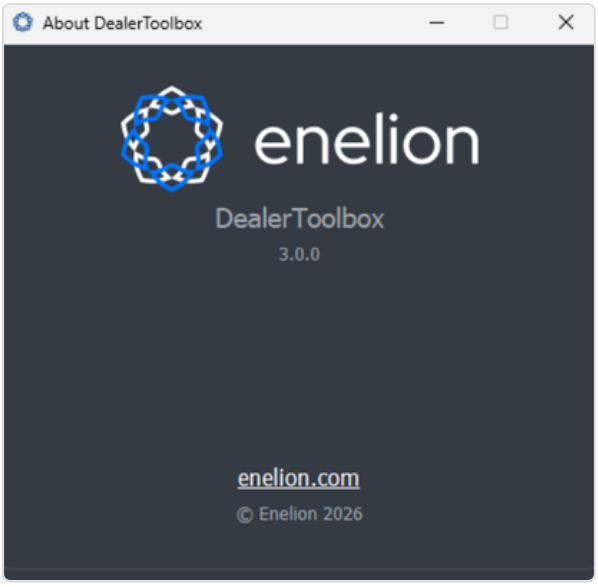

Fig. 5. *Application information window.*

5. **Gear icon (Settings)** — regional configuration (interface language selection) and advanced proxy server parameters.

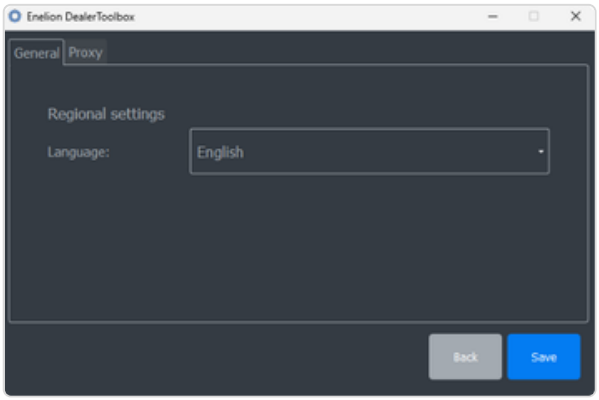

Fig. 6. *Settings: General and Proxy tabs.*

6. **FAQ** — a handy knowledge base for the installer.

4. RFID card manager

In version 3.0.0 the mechanism of linking a card to a user's cloud e-mail address has been replaced with direct management of offline groups.

Card programming procedure

1. Connect the RFID reader to the computer and select **User RFID cards manager** from the main menu.
2. Place the card on the reader and click **Read card**.
3. The **RFID card group (UID6)** field displays the currently stored group header in hexadecimal format (Hex), e.g. `5ED05F0D7DEB`.
4. Modifying the group — you can manually enter a known offline installation group identifier, or generate a completely new, secure random key with the **Random UID6** button.
5. Click **Write** to permanently save the unique group identifier on the card.
6. To remove a card's assignment from the offline infrastructure, click **Remove card from group**.

> **INFO**
>
> The **Random UID6** button creates a new, secure group key. Use it when setting up a new, isolated offline installation to avoid identifier collisions with existing networks.

5. Charger configuration wizard

The wizard now supports two alternative deployment scenarios.

5.1. Scenario A — standard configuration of a new charger

1. Click **Charger configuration manager**.
2. Enter the **Panel serial number** (the enclosure/panel serial number) and confirm with the **Continue** button.

5.2. Scenario B — configuration after main board replacement (Replaced PCB)

1. Click **Charger configuration manager (Replaced PCB)**.
2. The form requires three pairing parameters:
   - **Serial** — the station serial number (e.g. `1920E9BA`).
   - **PCBA ID** — the physical identification number of the new main board (e.g. `PBX2.5R3/1Q126001`).

- Socket selection list — **Socket 1** or **Socket 2** (for multi-point stations such as the Enelion Duo).

3. Click **Continue**.

> **INFO**
>
> The input windows for both scenarios are shown in **Fig. 3** and **Fig. 4** in section 3.

6. Configuration panel parameters v3.0.0

After moving to the parametric form, the configuration has been organized into the following local sections:

• **Charging network addressing** — lets you define the station's unique ID number within the installa- tion's CAN structure and specify the total number of charging points in the network.

• **Authorization type**: **Any RFID tag** — charging activated by any card; **Authorized RFID tag** — re- quires a card whose identifier matches the saved installation group; **Plug and charge** — charging starts immediately after the vehicle is connected; **Plug and charge with lock** — automatic start to- gether with locking the cable latch in the socket.

• **Charger group configuration** — lets you create a new group (**Create a new group**) or add the station to an existing node using the UID6 identifier (**Add charger to existing group**).

• **Deauthorization type** — determines whether a session can be ended only by the same card that started it (**RFID that started charging**), or by any card assigned to the given installation group (**Any RFID from charger group**).

• **Power option** — default profiles: 22 kW (3 phases, 32 A), 11 kW (3 phases, 16 A), 7.4 kW (1 phase, 32 A), 3.7 kW (1 phase, 16 A). The **Custom** tab lets you manually define the number of phases (1 or 3) and a precise current limit with 0.1 A accuracy.

• **Additional features**: **Dynamic load balancing (DLB)** — local power balancing between chargers with a manually entered current limit for the entire connection; **RCMB** — a built-in residual current monitoring module; **Enable language menu** — temporary language change on the charger screen.

• **Terminal blocks configuration** — lets you programmatically define the starting phase for the connection (L1/L2/L3) to evenly balance the network load.

• **Custom statusbar message** — a custom text message displayed at the bottom of the charger screen (maximum 20 characters).

• **Default language** — selection of the default message language (e.g. Polish).

• **LEDs color set** — selection of the charger LED lighting profile (e.g. **Swapped**: available – green, charging – blue).

• **EnergyGuard metering point** — defining the metering point and operating mode (e.g. **Powered equipment without charging network**).

> **WARNING**
>
> The current limit for the DLB function must be entered manually (e.g. 496 A), strictly according to the parameters of your power connection. Too high a value may cause the available connection power to be exceeded.

6.1. Saving the configuration

• **Remove configuration from an RFID tag** — clearing the data structure from the card.

• **Write configuration to an RFID card** — writes the prepared profile directly onto the applied authorization card.

> **INFO**
>
> Transferring the card and applying it to the reader of the physical offline charger immediately deploys the saved settings.

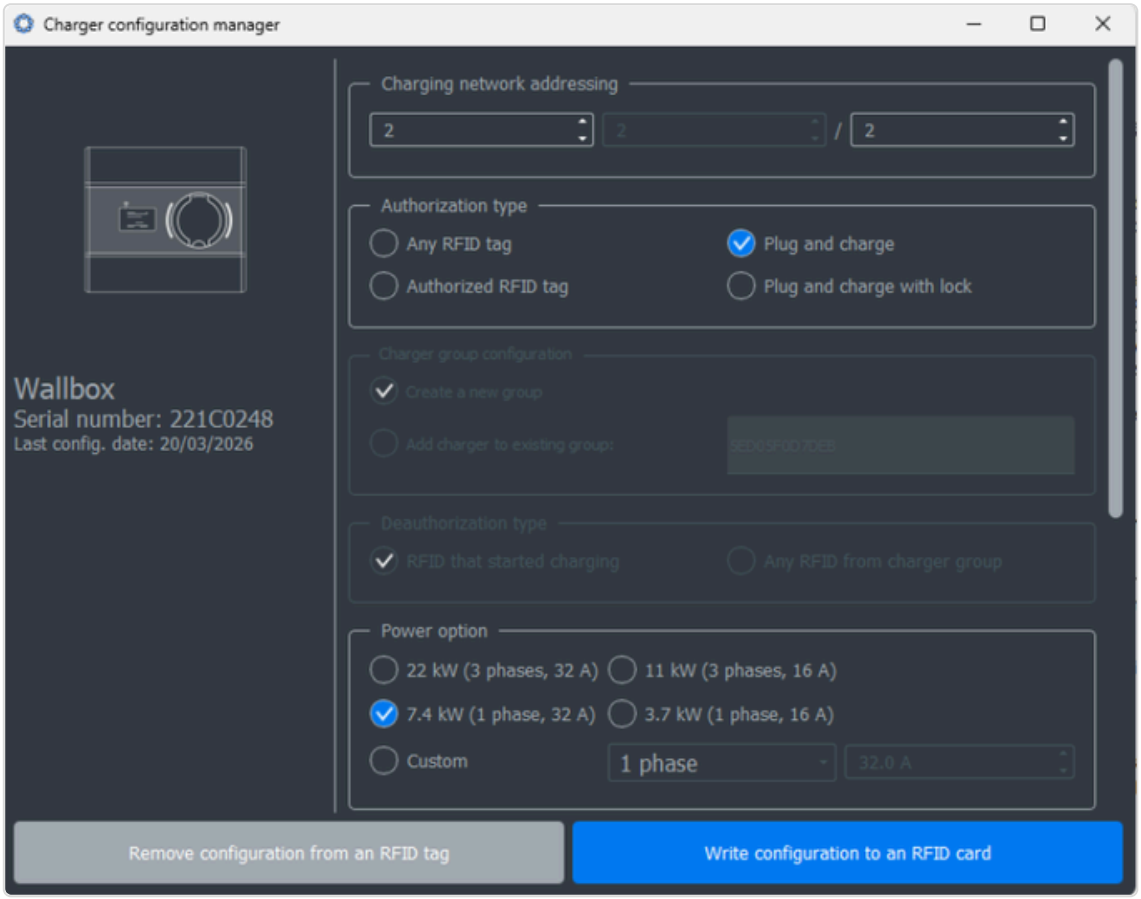

Fig. 7. *The full parametric form of the charger configuration manager.*

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