

# User Management

*Instructions for KINGSTAR and WINTIG MIG generators*

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### *Document review*

Rev.	Date	Description
-	09/11/2021	First draft

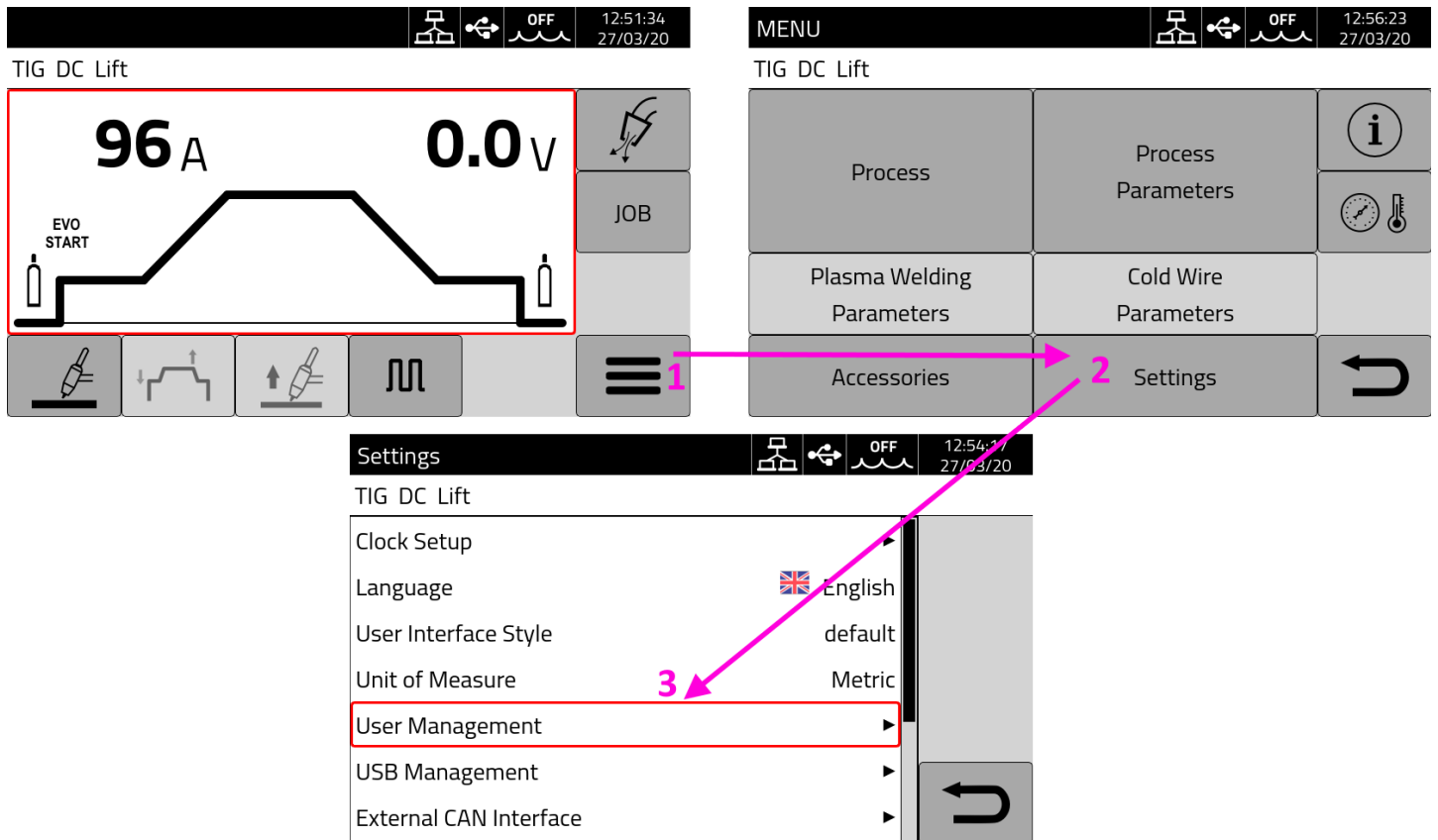
## Introduction

*NOTE: It is recommended to update the generator to the latest available software release.*

The user management limits the ability to change machine settings according to the selected user, and also allows the welder's name to be added to the weld log.

This function is implemented with two different levels of complexity according to the value of the parameter set in *MENU* → *Settings* → *User Management*:

<b>OFF</b>	no user management; machine completely unlocked
<b>Basic</b>	management with access through predefined roles
<b>Advanced</b>	management with access through customisable name and role



The image shows three sequential screenshots of the CEBORA control interface:

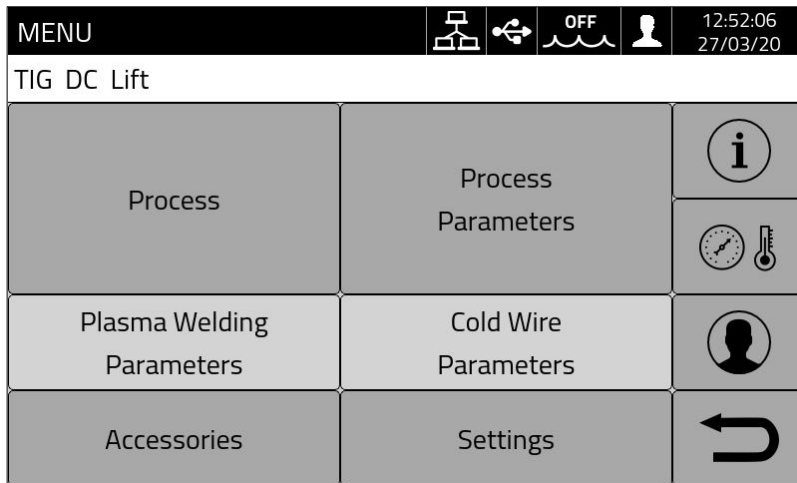
- Top Left Screenshot:** The main display shows 'TIG DC Lift' with a current of 96 A and voltage of 0.0 V. A red box highlights the current and voltage readouts. A menu icon (three horizontal lines) is labeled with a pink '1'.
- Top Right Screenshot:** The 'MENU' screen is shown with a grid of options: Process, Process Parameters, Plasma Welding Parameters, Cold Wire Parameters, Accessories, and Settings. The 'Settings' option is labeled with a pink '2'.
- Bottom Screenshot:** The 'Settings' menu is open, listing options like Clock Setup, Language (English), User Interface Style (default), Unit of Measure (Metric), User Management, USB Management, and External CAN Interface. The 'User Management' option is highlighted with a red box and labeled with a pink '3'.

### BASIC mode

From *MENU* → *Settings* → *User Management* select the *Basic* value and confirm by pressing the button with the check mark on the right side.



When the status of the *User Management* parameter is other than *OFF*, an icon appears on the black status bar at the top and a button for user access becomes available on the right side of the main menu.

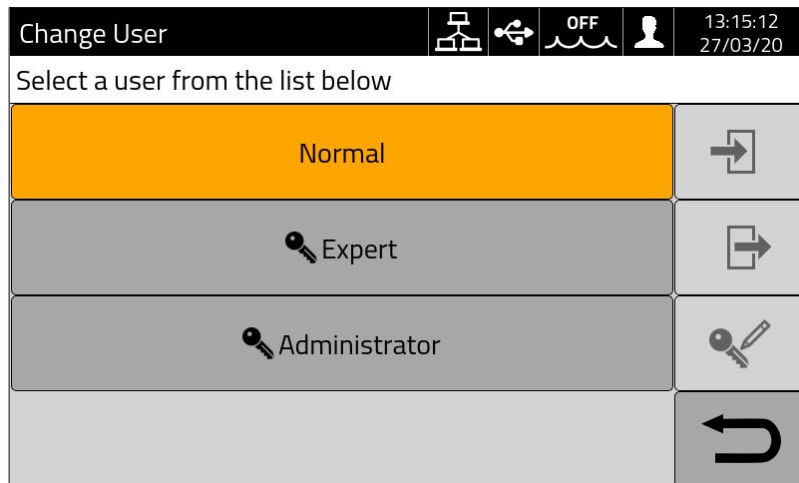


Three *roles* are preset in the generator that correspond to three different types of users:

<b>Normal</b>	Only adjustments essential for welding are allowed.
<b>Expert</b>	All welding-related adjustments are allowed.
<b>Administrator</b>	All settings are allowed (equivalent to <i>User Management = OFF</i> ).

Refer to the table in the *Controlled Functions* section for details on which functions are allowed and which are blocked. For now we do not provide the possibility for you to individually edit the function associated with each role.

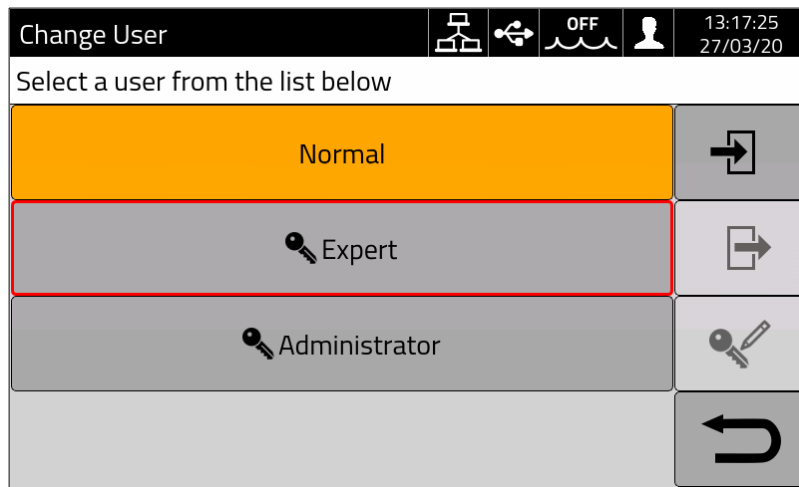
In the *Basic* mode, upon startup the machine automatically sets to the *Normal* role.



For each role, a customisable numeric PIN may be required for access.

<b>Normal</b>	No PIN required in this mode.
<b>Expert</b>	PIN from 1 to 4 numeric digits (default value <b>5555</b> ).
<b>Administrator</b>	PIN from 1 to 8 numeric digits (default value <b>9999</b> ).

To log in, select the desired button by means of the knob or with the touch function (a red rectangle appears) and click on the *login* button in the top right corner.

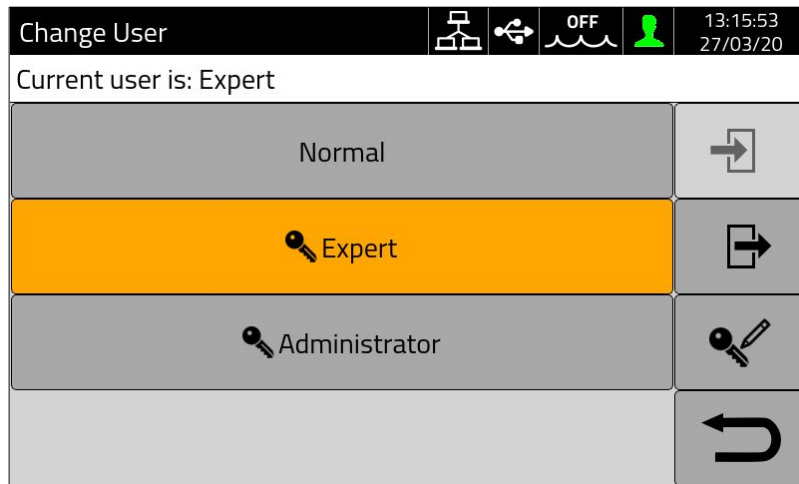


In the *Expert* and *Administrator* roles, highlighted by a key, you will be asked to enter the corresponding PIN.



Once *logged in*, the icon on the status bar changes colour depending on the role:

<b>Normal</b>	White icon
<b>Expert</b>	Green icon
<b>Administrator</b>	Red icon



Using the button with the key on the right, you can change the PIN for each of the *Expert* and *Administrator* roles.

To end a work session as *Expert* or *Administrator*, press the *logout* button on the right in the middle.

NOTES:

- In software releases starting from March 2021, switching from *OFF* to *Basic* automatically logs you in as *Administrator* (see next paragraph), allowing you to change all machine parameters. To lock the panel it is therefore necessary to explicitly logout or switch the generator off and on again.
- In previous releases, however, the user was automatically set to the *Normal* role.

## ADVANCED mode

This mode is available only upon activation of the software option code **809**.

From *MENU* → *Settings* → *User Management* select *Advanced* value and confirm by pressing the button with the check mark on the right side.



### Importing the user list

In order to use this mode it is necessary to prepare a CSV file in which the list of users who will be allowed to access the generator through a list of name/role/PIN triads is defined.

The file is only processed if the titles of the *Name*, *Role*, *Pin* columns appear exactly in the first line

File example: `users.csv`

```
Name,Role,Pin
Marco,Admin,99887766
Matteo,Normal,33
Luca,Expert,1234
Giovanni,Normal,5678
```

The username can have a maximum of **16** characters and all of them can be alphanumeric (A-Z, a-z, 0-9) without spaces.

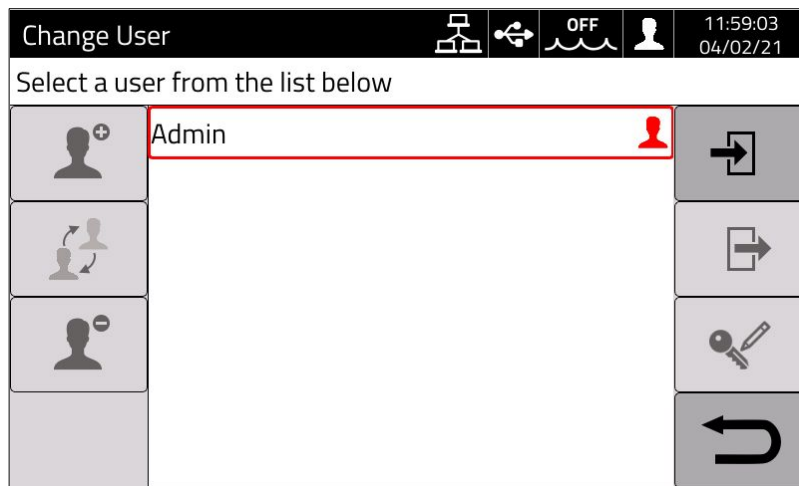
The role can take only 3 values: *Normal*, *Expert*, *Admin*.

The PIN code has the same role-dependent limitations as described in *Basic* mode.



If no user configuration file has been uploaded yet, the default *Admin* user is always present on the machine, which is the same one used in the *Basic* mode.

Name	Role	PIN
Admin	Administrator	(default 9999)



This file is loaded into the generator using a USB stick from the screen:

*MENU* → *Settings* → *User Management*

and by pressing the first button on the top right:



if the file is imported correctly from the generator, all new names will appear on the user selection page in addition to the default administrator.



A white icon remains in the top status bar to indicate that no user has logged in yet.

To use the generator, you **need to** select a name from the list using the knob, click on the *login* button at the top right and finally enter the corresponding PIN.

If the PIN is correct, the icon in the top status bar changes colour. **Light blue** identifies access by a *Normal* user. The colours green and red are always associated with the *Expert* and *Admin* types as for the *Basic* mode.



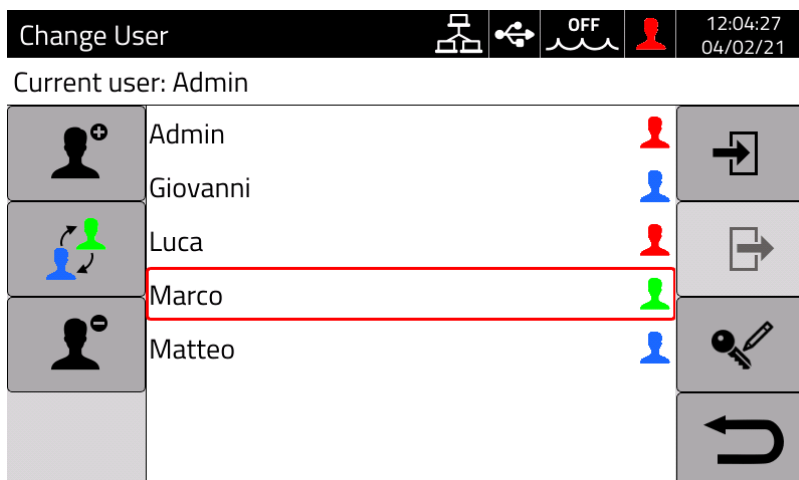
Each user can customise their PIN by clicking on the key icon in the lower right corner.

When the work session is over, the current user can press the *logout* button on the right in the centre or turn off the generator.

### User list manual management

If you are logged in as *Admin* you will also activate the buttons on the left side of the screen to allow quick management of users without having to use the CSV file from the USB stick:

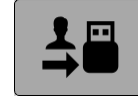
- add a new user (a new name is required and a user with *Normal* role is created)
- change of role of the selected user (from *Normal* to *Expert* and vice versa)
- deletion of the selected user
- change of the selected user PIN



### ***Exporting the user list***

In order to facilitate the user maintenance, the administrator can also export in CSV file the list of users saved on the machine from the page:

*MENU* → *Settings* → *User Management* and pressing the button:



Example:

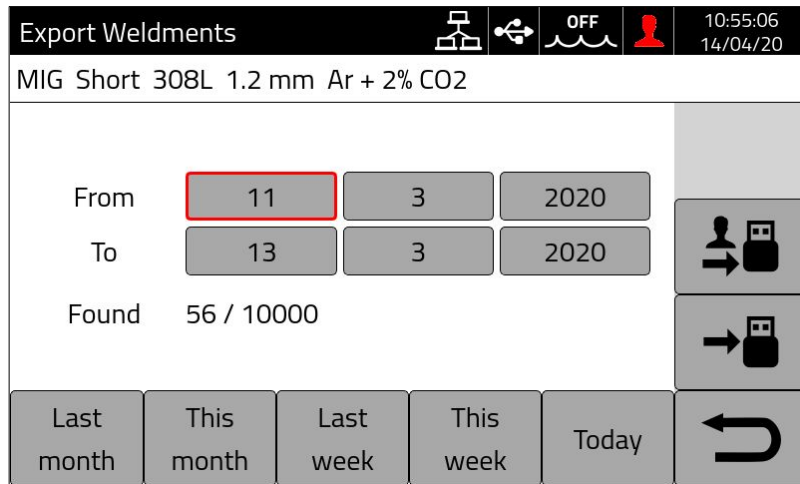
```
name,role,password
Giovanni,normal,767D5128C6768D0828E9EFBAA751ADF3
Luca,admin,123E8FB15859D51E7EE811123616569F
Marco,expert,57EAAB7ECA2524B3B0AD2F2370538CE1
Matteo,normal,91A094B7EF2F483A7A6DD93F2514588F
```

Since the user's PIN is *encrypted* in the generator, the *Password* column does not display the numeric PIN in plain text. If you want to change the configuration of *offline* users, you can edit<sup>(\*)</sup> the file from PC (add or remove rows, change role or PIN) and re-import the CSV file.

<sup>(\*)</sup> In software versions from November 2020 onwards for users who need to keep their PIN, it is allowed to leave the PIN in the *encrypted* format. In previous versions, it is necessary that all users have the numeric PIN in clear text in the file.

### Working hours accounting

For each weld, the name of the welder who performed it is also stored in the weld database. The log of the welds with their names can be exported on file via web app or directly from the generator using a USB stick through the window: *MENU* → *Settings* → *USB Management*



First you need to specify a start and end date range, either by manually setting *day/month/year* or by using the default filters *today/this week/this month*.

If records were found in the specified range, then you can press the button and generate the CSV file on the USB stick.

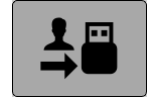


```
id,jobId,startTimeStamp,weldingTime [s],(...),welder
72,,27-02-20 16:35:58,3.9,(...),Giovanni
70,,27-02-20 16:33:51,5.3,(...),Giovanni
69,,27-02-20 16:31:43,4.3,(...),Giovanni
68,,27-02-20 16:23:44,4.0,(...),Matteo
68,,27-02-20 16:19:01,3.8,(...),Luca
66,,27-02-20 16:17:20,3.8,(...),Luca
```

**NOTES:**

- The (...) indication in the figure means that for the sake of brevity some columns relating to measurements have been omitted.
- If the file is imported into a spreadsheet (e.g. Excel) it will be necessary to correctly specify the format of the columns (e.g. for the date the format is DD-MM-YY hh:mm:ss).
- If the *Basic* mode has been used, the following entries are displayed in the *welder* column instead of the user name:
  - *Normal, Expert, Admin* for software releases starting from March 2021.
  - *Expert* or *Admin* if the operator is logged in using a PIN or the field remains blank if the operator is not logged in (*Normal*).

With the *Advanced* users option, another button is available that allows exporting in CSV format a daily report summarising the total welding time (arc on) for each user configured in the generator.



Example:

```
Date,Admin,Giovanni,Luca,Marco,Matteo
2020-03-03,00:00:00,00:00:42,00:01:31,00:01:03,00:04:43
2020-03-04,00:00:00,00:01:41,00:00:30,00:00:00,00:10:03
2020-03-05,00:00:00,00:01:15,00:01:39,00:00:28,00:08:52
2020-03-06,00:00:00,00:00:52,00:00:00,00:00:00,00:11:22
2020-03-07,00:00:00,00:00:00,00:01:00,00:01:56,00:09:18
2020-03-08,00:00:00,00:00:00,00:00:21,00:00:43,00:11:10
2020-03-09,00:00:00,00:01:27,00:00:00,00:01:02,00:09:45
2020-03-10,00:00:00,00:00:06,00:00:15,00:00:26,00:02:19
2020-03-11,00:00:00,00:00:04,00:00:00,00:00:03,00:00:08
2020-03-12,00:00:00,00:00:04,00:00:02,00:00:03,00:00:02
2020-03-13,00:00:00,00:00:00,00:00:00,00:00:04,00:00:00
```

## Backup & Restore

In addition to the CSV file format, it is possible to save (*Backup*) and load (*Restore*) the user list using the generator's internal format through the item: *MENU* → *Settings* → *USB Management* → *Backup / Restore* and manage data individually (*Users only*) or within the general machine backup (*All*).

## PIN recovery procedure

If the PIN of a *Normal* or *Expert* user is forgotten, simply log in as *Admin* and reset the PIN of the user who forgot it. Alternatively, you can reload the entire list of users from CSV file, but in this case all PINs will be reset.

If the administrator PIN is forgotten, it is necessary to enter a general unlocking code (PUK) that must be requested to the CEBORA support. The PUK is a 16-digit alphanumeric code that is different for each generator.

Once you have received the PUK, perform the following procedure:

- select the Admin user (red rectangle) using the knob
- press the knob button for at least 3 seconds
- enter the PUK code consisting of 16 alphanumeric digits
- reset the PIN of the Admin user.

## Use of the web app

The integrated web application is also subject to user management policies and allows the remote panel to be

used only after expert users or administrators have logged in.

<b>OFF</b>	Free access – the user does not have to explicitly login
<b>Basic</b>	Access allowed only to <i>Expert</i> and <i>Admin</i> users
<b>Advanced</b>	Access allowed to users with <i>Expert</i> and <i>Admin</i> roles

## Default user

For both *Basic* and *Advanced* modes you can select a particular user as **default**. When the generator is started, it will automatically log in the default user without the need to enter a PIN. Nothing changes on the web app side, where you still need to explicitly login via PIN.

To activate the default user you must first log in as *Admin*, select the user chosen as default by turning the knob and press the knob button 5 times consecutively. If the procedure is correct, a yellow star icon ★ will appear next to the name of the default user. Repeat the same procedure to remove or change the default user.

## Controlled functions

Below is the list of possible functions that can be conditional on access.

Functions	Normal	Expert	Admin
Process change (MIG – TIG – PW – MMA)	✘	✓	✓
MIG synergic curve change	✘	✓	✓
MIG process mode change (short/pulse/root/etc.)	✓	✓	✓
TIG process mode change (DC/APC/XP/AC/MIX)	✘	✓	✓
Adjustment of process parameters	✓	✓	✓
Adjustment of advanced TIG parameters	✘	✓	✓
Job management (save, delete, copy/paste, rename)	✘	✓	✓
Job Mode ON/OFF	✘	✓	✓
Use of the jobs	✓ <sup>(1)</sup>	✓	✓
WPS Mode ON/OFF	✘	✓	✓
Access to the Settings menu	✘	✘	✓
Web application (web app)	✘	✓	✓

<sup>(1)</sup> Jobs that can be selected only if *Job Mode* = ON, only recall if *Job Mode* = OFF