



Global R & D
GSC

User Manual
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LCEUIO DONGLE USER MANUAL



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1 Introduction

The user interface of all LCE based elevators, which have 6.X.X based software or newer will be locked after 10000 starts. The LCEUIO tool can be used to unlock the LCE user interface and the serial port of the CPU board for elevators, which have 6.7.18 or newer software.

This document explains the functionality and use of the **LCE User Interface Opening (LCEUIO)** tool.

2 Block Diagram

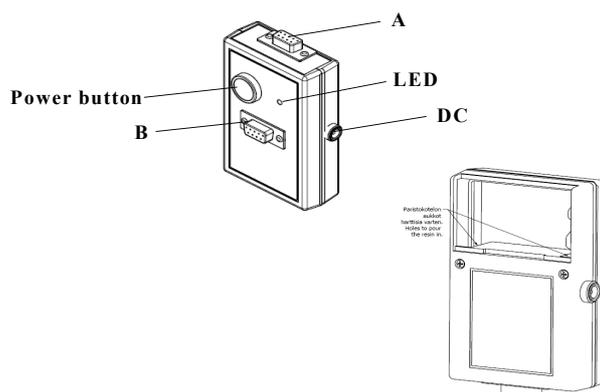


Figure 1

The user interface of the tool contains following main parts (figure 1).

- **Port A** (D9 connector) will be connected to corresponding connector on LCECPU40, LCECPU561 or LOPCB board in MAP.
- **Power button** Power switch is used to start and shut down the battery power.
- **Led** is used for diagnostic purposes. Different warnings and errors have been defined in the table.
- **Port B** (D9 connector) is supposed to be used when troubleshooting tools (LCETERM) are connected to the tool.
- **DC** provides a connector to extern power supply, 10 – 24V (for example Mascot 9525/12VD).
- On the backside of the tool there is a 9V battery behind the cover.
- 2 extent cables including in the package. One for LCECPU20 for different adapter. Another one for LCECPU40 or LCELOB for easy connection.

LED	State	Description
RED	Lit for 10 sec	Tool has been used for 200 times and it is locked. Tool must be re-initialized with the re-initialization tool, before it can be used again.
RED	Two blinks every 10 sec	The tool can't open LCE user interface.
RED	Three blinks every 10 sec	The tool can't communicate with elevator. This can occur, if there is communication problem or LCECPU software does not support the LCEUIO tool.
RED	Continuous blinking	Internal error in the tool. Tool is broken.
GREEN	Lit for 10 sec	The tool communication with elevator is OK and the LCE user interface is open.
GREEN	Blinking	The tool receives a message from the LCECPU.
GREEN	One Blink every 10 sec	The tool has been re-initialized.
ORANGE	Blinking	The tool receives a message from the LCECPU and tool has been used over 150 times. This is warning, that the tool should be re-initialized soon.

3 How to open LCE user interface with the tool

The operating sequence is:

1. Connect the tool (port A) to the RS232 port on LCECPU40, LCECPU561 or LOPCB board either using cable coming with the tool or connecting port A directly into the connector.
2. Switch on the RS232 enable switch on LOPCB board in MAP.
3. Push the power button until the led turns on.
4. When the led has green or orange light on, the LCE user interface is open.
5. Switch off the RS232 enable switch on LOPCB board in MAP.
6. Test the Menu access. (If OK, disconnect the device otherwise repeat the step 2-5)