

LIM SAS

User manual



User Manual: PocketLIM
ToolBox Menu

LIM SAS
86 Rue Jean Bertin
France-69100
Villeurbanne Tel: +33
(0)4 72 14 68 30
<http://www.lim.eu>



	User manual "ToolBox" menu	Updated: 02/27/2024	
		Author: Pascal Renébon	
		Public document	

Table of contents

1. Main menu3

1.1Application selection menu 3

1.2Standby menu 4

1.3Toolbox menu 5

2. Toolbox submenus.6

2.1Explorer menu 6

2.2Network Menu 10

2.2.1WIFI menu 11

2.2.2GSM menu 12

2.3USB Menu 14

2.4Print menu 16

2.5Install Menu 18

2.6Record menu 18

2.7Menu option 20

2.7.1Adjusting the screen brightness 22

2.7.2Main screen display settings:
Drilling option 22

2.8Unit menu 24

2.9Date and time menu 27

2.10Language menu 29

2.11About Menu 30

2.12Firmware Update Menu

32

3. TouchPad Operation

TouchPad34

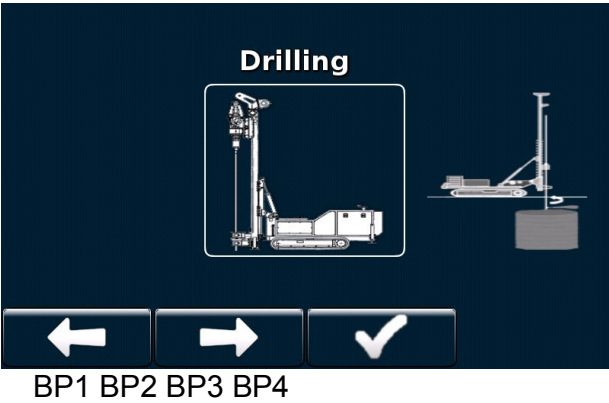
	PocketLIM	Created: 02/27/2024	Page 2
	User manual "ToolBox" menu	Updated: 02/27/2024	
		Author: Pascal Renébon	
		Public document	

1. The main menu

1.1 Application selection menu

The PocketLIM 6G is a multifunction measurement acquisition unit (drilling, Ménard pressure testing, injection, JET, etc.). When switched on, the PocketLIM will display a list of applications available to the user.

To activate the PocketLIM, press the center button; the device will turn on and display the application selection screen. If only one application is configured, the PocketLIM will go directly to the "Standby" menu of the active application without operator intervention. If multiple applications are present, scroll left or right using the arrow buttons until the desired application is highlighted, then select it by pressing the "BP3" button  . You will then have access to the "standby menu" for the corresponding application.



	PocketLIM	Created: 02/27/2024	Page 3
	User Manual "ToolBox" Menu	Updated: 02/27/2024	
		Author: Pascal Renébon	
		Public document	

1.2 Standby Menu (example from the Drilling version)



BP1 BP2 BP3 BP4

Regardless of the application selected, the "standby" menu screen is divided into three areas:

- A bottom row of four buttons labeled BP1, BP2, BP3, and BP4
- An upper line displaying the name of the current drilling operation, the status of the GPS (if installed), the status of the GSM and Wi-Fi networks, and other functions related to each application
- A central section specific to the active application.

The "BP1" button  gives access to the "toolbox" menu, while the "BP2" button  launches the recording function of the selected application. The functions of the BP3 and BP4 buttons depend on the active application. The touch buttons are duplicated by physical buttons, which can be pressed independently of each other.

Note: Regardless of which menu you are in, to return to the standby screen, press the "BP4" return button as many times as necessary. 

	PocketLIM	Created: 02/27/2024	Page 4
	User Manual "ToolBox" Menu	Updated: 02/27/2024	
		Author: Pascal Renébon	
		Public document	

1.3 "Toolbox" menu

The "Toolbox" menu provides access to the PocketLIM configuration menus, the display of existing files, and the sensor and data logger settings. It is not accessible during recording phases. To access this menu, press the "BP1" button  ly from the standby screen. This menu includes the following options:

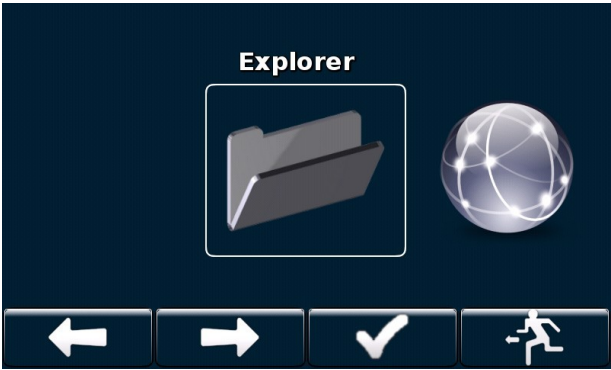
- **Explore:** View and manage previous recordings.
- **Network:** GSM and Wi-Fi configuration.
- **USB:** USB drive configuration.
- **Printing:** Printer and PDF configuration.
- **Installation:** Sensor calibration and diagnostics.
- **Recording:** Activating the sensor for data recording.
- **Options:** To configure the standby and recording screens, activate the options (depending on the application).
- **Unit:** Select measurement units for different parameters.
- **Date/Time:** Setting the PocketLIM's internal clock and time zone.
- **Language:** Activation of the language.
- **About:** General information about the PocketLIM and how it works.
- **Update:** Searching for and installing software updates

	PocketLIM	Created: February 27, 2024	Page 5
	User manual "ToolBox" menu	Updated: February 27, 2024	
		Author: Pascal Renébon	
		Public document	

2 The submenus of the "ToolBox"

2.1 The "Explore" menu

In the "Toolbox" menu, select the "Explore" function using the arrows, the "BP1" or "BP2" keys, then confirm your choice by pressing BP3  to access the menu. To exit this menu, press BP4. 



BP1 BP2 BP3 BP4

To access application-specific data records on the PocketLIM Select the type of application record to view using the arrows and the "BP1" and "BP2" buttons, then confirm with the BP3 button  . To exit this menu, press the BP4 button. 



PocketLIM

Created: 02/27/24

Page 6

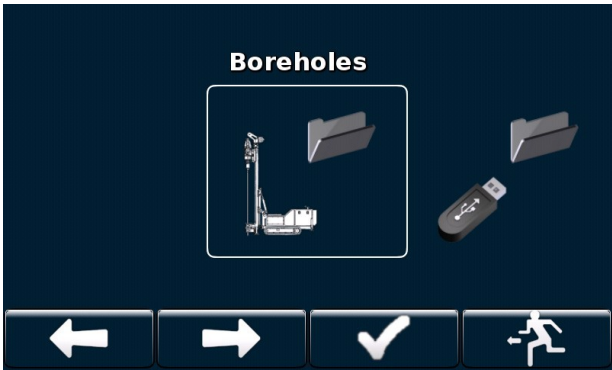
User manual
"ToolBox" menu

Updated: 02/27/24

Author: **Pascal Renébon**

Public document

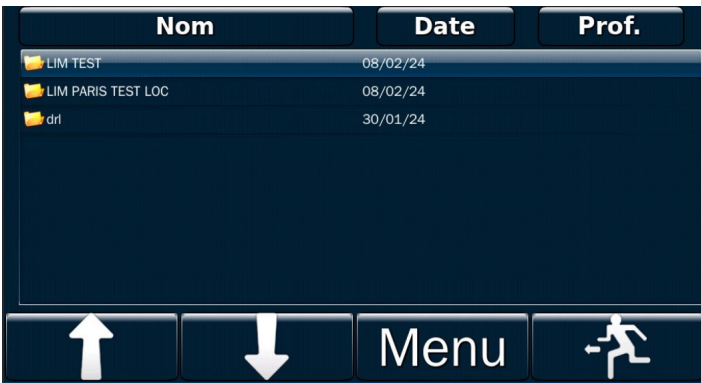
"Record Type Screen"



BP1 BP2 BP3 BP4

You can access the folder view screen and then the record view screen by pressing menu **Menu** , then selecting the folder icon and the view icon (see description of icons after the file view screen).

Folder view screen



BP1 BP2 BP3 BP4

 	PocketLIM	Created: 02/27/24	Page 7
	User manual "ToolBox Menu"	Updated: 02/27/24	
		Author: Pascal Renébon	
		Public document	

Recording display screen

Nom	Date	Prof.
PR110001	30/01/24	00:37:50
PR100001	30/01/24	00:37:45
PR80001	30/01/24	01:27:44
PR90001	30/01/24	01:08:42
PR120001	30/01/24	00:46:17

↑

↓

Menu

BP1 BP2 BP3 BP4

Use the "BP1" or "BP2" arrows to select the file you want to view by highlighting it. Press BP3 **Menu** to bring up a menu that will allow you to choose the desired action.

Nom	Date	Prof.
PR110001	30/01/24	00:37:50
↑	↓	Menu



PocketLIM

User Manual
"ToolBox" Menu

Created: 02/27/24

Updated: 02/27/24

Author: Pascal Renébon

Public document

Page 8

Description of the actions of the buttons on the display screen:

: Opens the selected file or folder (only works on a single item). 

Returns to the previous screen.

 Selects individual files or records to delete, transfer, or print. Multiple items can be selected by repeating the operation.

: Selects all items on the display screen.

The following keys only work if at least one folder or record has been selected beforehand.

: Deletes the selected file or record.

: Transfers the selected file or record to a USB flash drive.

: Transfers the selected file or record via an active network (GSM or Wi-Fi). :

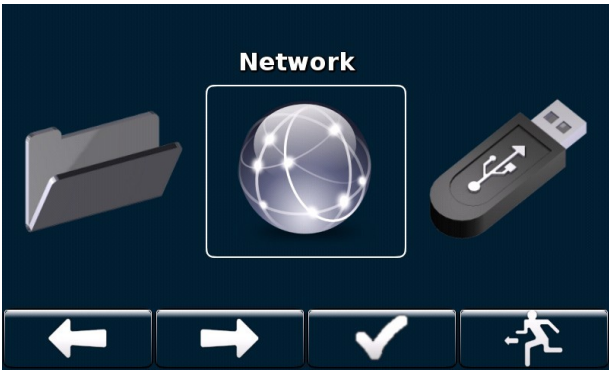
Prints; or generates a PDF file of the selected data.

 Copy the selected data.  Paste
the selected data.

	PocketLIM	Created: 02/27/24	Page 9
	User Manual "ToolBox" Menu	Updated: 02/27/24	
		Author: Pascal Renébon	
		Public document	

2.2 "Network" menu

In the "Toolbox" menu, select the "Network" function using the arrows, the "BP1" or "BP2" buttons, then confirm your choice by pressing BP3  to access the menu. To exit this menu, press BP4. 

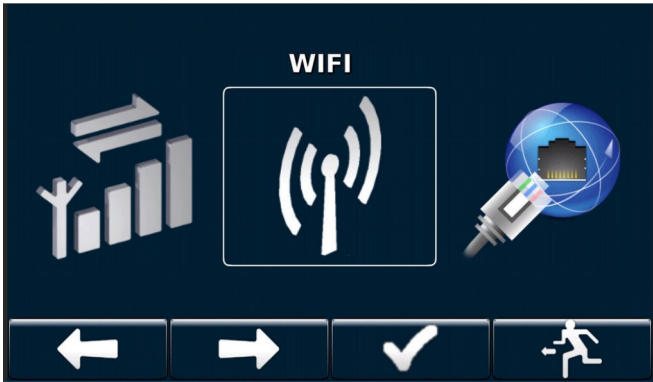


BP1 BP2 BP3 BP4

The PocketLIM uses three different types of network connections. A connection via GSM, which requires a SIM card with a data subscription, a connection via a WiFi network (telephone or Internet network), or a connection via an Ethernet cable (special case). The most common connections are GSM and Wi-Fi. The Wi-Fi option takes priority over the GSM option: as soon as the operator activates Wi-Fi, GSM is deactivated and automatically reactivated if the Wi-Fi network is disconnected.

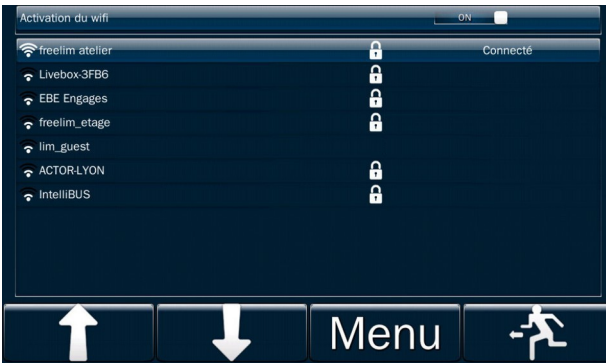
	PocketLIM	Created: 02/27/24	Page 10
	User manual "ToolBox" menu	Updated: 02/27/24	
		Author: Pascal Renébon	
		Public document	

2.2.1 "WIFI" menu



BP1 BP2 BP3 BP4

From the "Network" menu, select this menu using the "BP1" and "BP2" arrows, then confirm your choice by pressing BP3  to access the network configuration menu.



BP1 BP2 BP3 BP4

If WIFI is disabled (WIFI activation disabled), press "Menu"  , then "ON/OFF" Wifi  to enable it. Follow the same procedure to disable it.

When Wi-Fi is enabled, PocketLIM scans for detected networks and displays a list. To select a network, highlight the desired network and press "Menu" then "Select." PocketLIM will ask you to enter your network key (or password) unless you select the last network used. If you are using a mobile phone network, you must have enabled connection sharing on your phone. Once connected to the network, press "BP4." Press " " to exit this menu. Files will be transmitted automatically when a drill is closed if the "Automatic synchronization" option in the "GSM" menu is set to "ON."

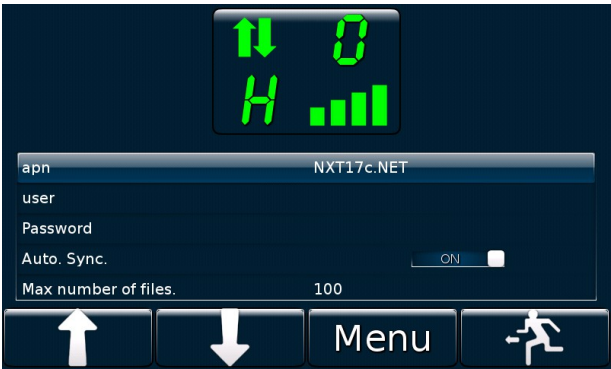
2.2.2 "GSM" menu



BP1 BP2 BP3 BP4

From the "Toolbox" menu, select this menu using the "BP1" and "BP2" arrows, then confirm your choice by pressing BP3  to access the network configuration menu.

	PocketLIM	Created: 02/27/24	Page
	User manual "ToolBox" menu	Updated: 02/27/24	
		Author: Pascal Renébon	
		Public document	



The information at the top center of the screen indicates the number of files (0 in this case) waiting to be transferred, the type of GSM signal detected (3G+ in this case), and the quality of the signal detected. For the transfer to take place, the indicator must be green. If it is red, this means that the network quality is poor or that the APN is incorrect. If no network is detected, this area is "empty."

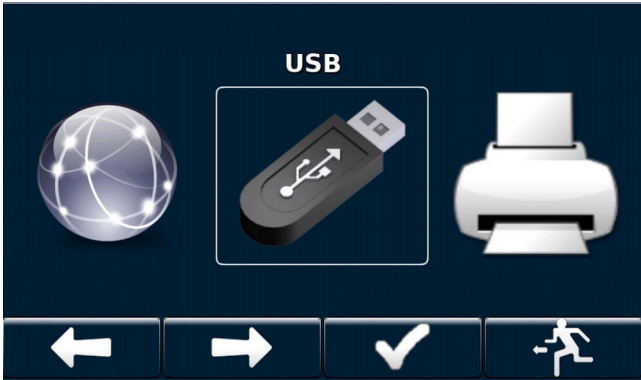
APN: Access Point Name: provided by the SIM card provider. This is required for the PocketLIM to connect to the Internet. If the SIM card was installed by LIM, this field is already filled in. If necessary, it can be changed by pressing Menu **Menu** , then **Modifier** to enter the new APN code.

The **User** and **Password** fields are usually left blank.

Automatic synchronization: ON; files are transferred automatically as soon as drilling or testing is complete. If **disabled**, transfer will require operator intervention. If there is no network connection (or if automatic synchronization is set to "Off"), files awaiting transfer are stored in a buffer. The number of files awaiting transfer is limited to the number indicated in the "Max number of files" line (here 100). In this case, only the last 10 files saved will be stored in the buffer. All files stored in the PocketLIM's main memory can be selected and transferred from the Explorer menu.

	PocketLIM	Created: 02/27/24	Page 13
	User Manual "ToolBox" menu	Updated: 02/27/24	
		Author: Pascal Renébon	
		Public document	

2.3 "USB" menu



BP1 BP2 BP3 BP4

In the "Toolbox" menu, select the "USB" function using the arrows, the "BP1" or "BP2" buttons, then confirm your choice by pressing BP3  to access the menu. To exit this menu, press BP4. 



PocketLIM

Created: 02/27/24

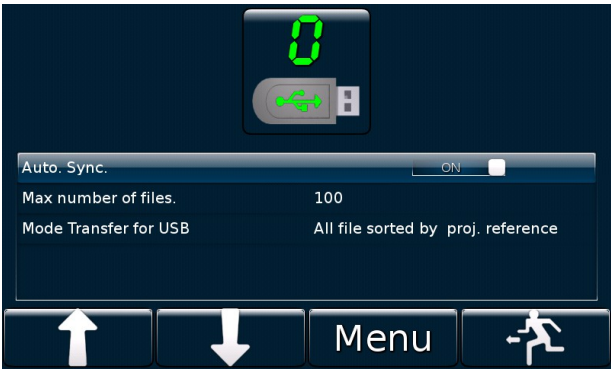
Page 14

User manual
"ToolBox" menu

Updated: 02/27/24

Author: Pascal Renébon

Public document



BP1 BP2 BP3 BP4

The number at the top center of the screen indicates the number of files waiting to be transferred to a USB key. If this number is red, it means that no USB key is connected to PocketLIM, or that the connected USB key is not detected. If the number is green, the files can be transferred.

Automatic synchronization: if the line is set to "ON," the files are transferred as soon as the USB key is connected to PocketLIM; if it is set to "OFF," the transfer will require operator intervention. Files awaiting transfer are stored in a buffer and will be automatically transferred when the drive is reconnected. The maximum number of files awaiting transfer is defined in the line "

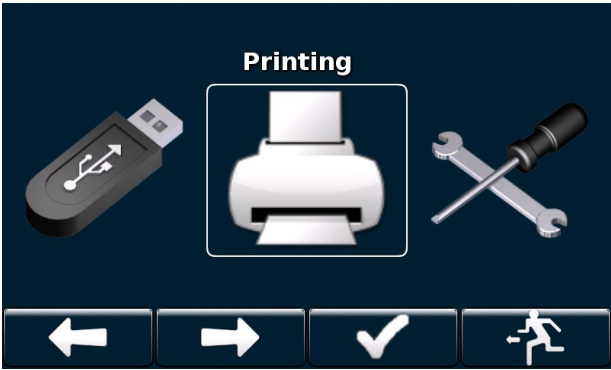
Maximum number of files: (here 100). It will always be possible to transfer other files by going to the Explorer menu The line "

Transfer mode for USB: File sorting line allows the operator to choose the file sorting mode when transferring files to the USB key. If the file sorting option is set to **Project reference**, the files will be stored on the USB key in the same order as in the main memory of the PocketLIM, by folder reference. If the file sorting option is set to **Root**, the files stored on the USB key will be sorted by LIM file number, regardless of folders.

	PocketLIM	Created: 02/27/24	Page 15 (English)
	User Manual "ToolBox" Menu	Updated: 02/27/24	
		Author: Pascal Renébon	
		Public document	

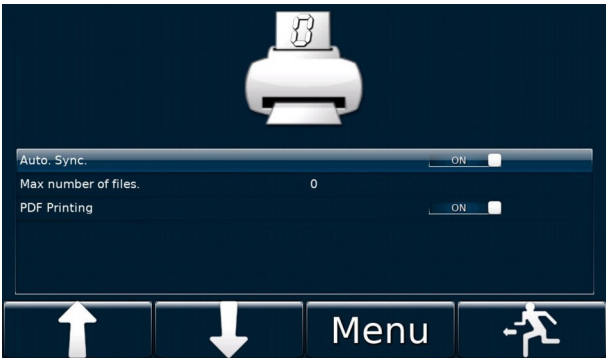
2.4 "Print" menu

This menu allows you to generate PDF documents with PocketLIM.



BP1 BP2 BP3 BP4

In the "Toolbox" menu, select the "Print" function using the arrows, the "BP1" or "BP2" buttons, then confirm your choice by pressing BP3  to access the menu. To exit this menu, press BP4  .



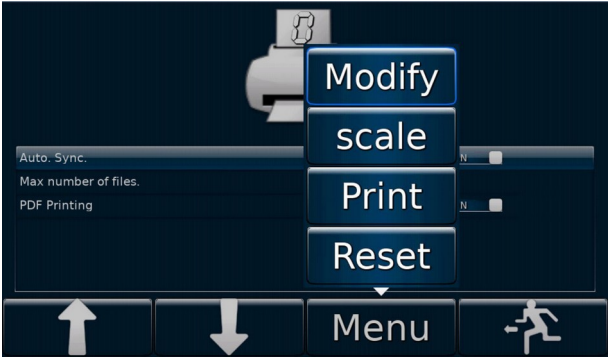
	PocketLIM	Created: 02/27/24	Page 16
	User Manual "ToolBox" menu	Updated: 02/27/24	
		Author: Pascal Ren��bon	
		Public document	

The "Printer" icon must be white for printing to work. If it is red, PDF printing must be enabled by switching the **"PDF Printing"** button from disabled to enabled.  

Automatic synchronization: On/Off; if set to "On," PocketLIM automatically creates a .PDF copy of the drilling record once it is complete; if set to "Off," printing will only occur if the operator intervenes.

Maximum number of files: Maximum number of files stored in the printer queue. In this example, only the last 10 closed files will be stored.

To toggle the "on/off" buttons, select the relevant line using the "BP1" or "BP2" arrows then press "Menu" , then "Modify" . The "Scale" button allows you to change the print scales. The "Reset" button allows you to delete files from the printer queue.



PocketLIM

User manual
"ToolBox" menu

Created: 02/27/24

Updated: 02/27/24

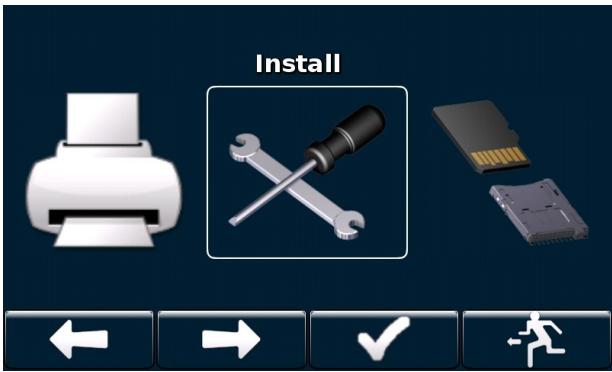
Author: Pascal Renébon

Public document

Page 17

2.5 "Install" menu

This menu allows you to calibrate the various system parameters.



BP1 BP2 BP3 BP4

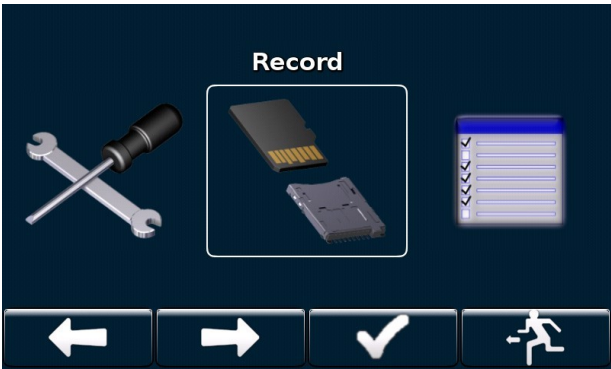
From the "Toolbox" menu, select the "Install" function using the arrows, the "BP1" or "BP2" keys, then confirm your choice by pressing BP3  to access the menu. To exit this menu, press "BP4" . The various functions of this menu are described application by application.

2.6 "Recording" menu

This menu allows you to select the measurements recorded by PocketLIM. Some data required for drilling may not be recorded, while other data may be recorded but not displayed during drilling.

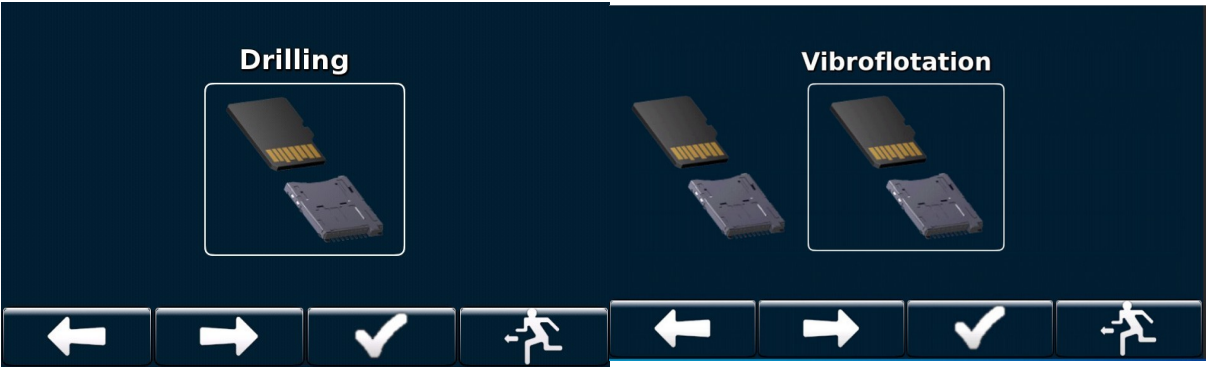
In the "Toolbox" menu, select the "Recording" function using the arrows, the "BP1" or "BP2" buttons, then confirm your choice by pressing "BP3"  to access the menu. To exit the menu, press "BP4" .

	PocketLIM	Created: 02/27/24	Page 18
	User Manual "ToolBox" Menu	Updated: 02/27/24	
	Author: Pascal Renébon		
	Public document		



BP1 BP2 BP3 BP4

Then select the application you want to configure (if only one of the two applications is active, the PocketLIm will skip to the next step) using the "BP1" and "BP2" arrow buttons then confirm with the "BP3" button  . To exit this menu, press "BP4"  .



BP1 BP2 BP3 BP4 BP1 BP2 BP3 BP4



Use the "BP1" or "BP2" arrows to highlight the parameter to be modified, then press the "BP3" button  to confirm the modification of its status (set to "ON" or set to "OFF"). Repeat the operation for each parameter to be modified, then press the "BP4" button  to exit this menu.

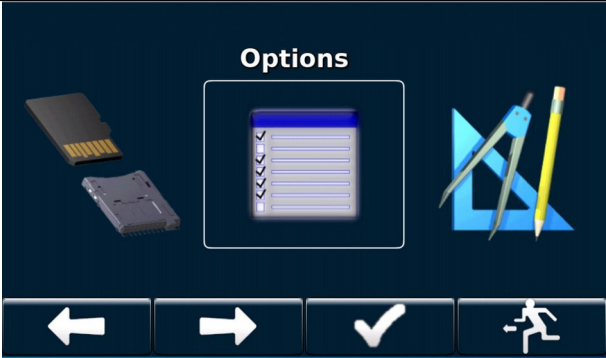


2.7 "Options" menu

This menu allows the operator to configure the display screen, adjust the screen brightness, and activate certain functions specific to one or more particular applications. Only the "Drilling" and "Brightness" options common to all applications will be detailed in this chapter, while the specific options will be described application by application.

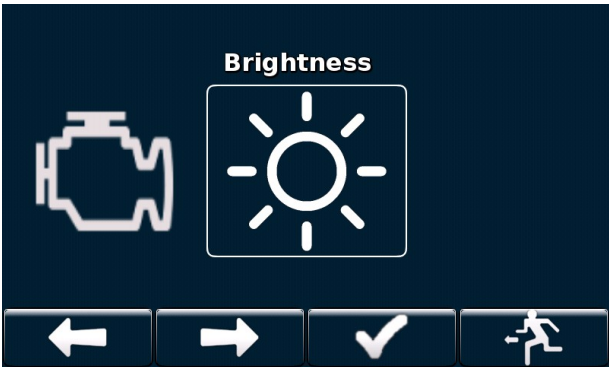
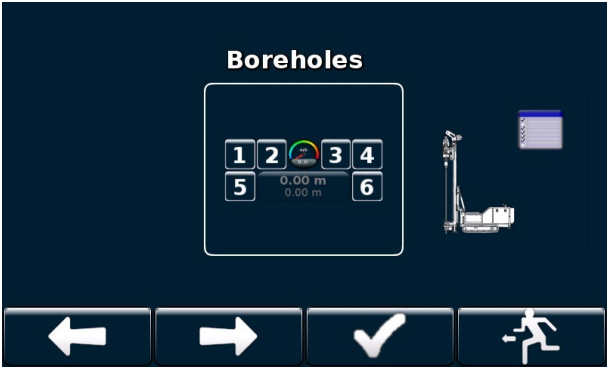
In the "Toolbox" menu, select the "Options" function using the arrows, the "BP1" or "BP2" keys, then confirm your choice by pressing "BP3"  to access the menu. To exit the menu, press "BP4" .

	PocketLIM	Created: 02/27/24	Page 20
	User manual "ToolBox" menu	Updated: 02/27/24	
	Author: Pascal Renébon		
	Public document		



BP1 BP2 BP3 BP4

Select the option to be modified using the "BP1" or "BP2" arrows, then confirm your choice by pressing "BP3."  . To exit the menu, press "BP4."  .

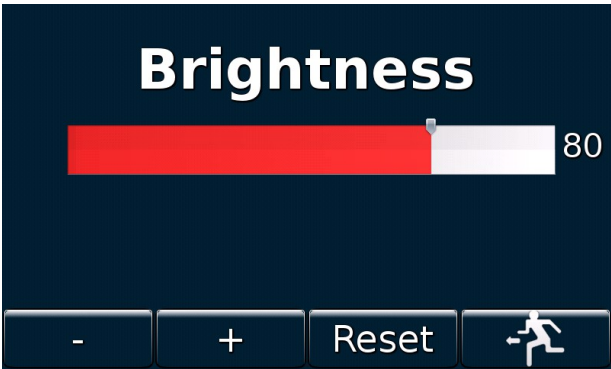


BP1 BP2 BP3 BP4 BP1 BP2 BP3 BP4

	PocketLIM	Created: 02/27/24	Page 21
	User manual "ToolBox" menu	Updated: 02/27/24	
		Author: Pascal Renébon	
		Public document	

2.7.1 Adjusting the screen brightness:

In the options menu, select the "Brightness" icon using the "BP1" and "BP2" arrows, then confirm your choice by pressing "BP3." 



Place your finger on the screen and move it to the left to decrease the brightness or to the right to increase it, or use the "-" or "+" buttons. Pressing the "R.A.Z"  button will reset the brightness to the default setting. Press "BP4"  to exit this menu.

2.7.2 Display settings: "Options" "Drilling"

In the options menu, select the "Drilling" icon using the "BP1" and "BP2" arrows, then confirm your choice by pressing "BP3." 



After selecting "Drilling" in the "Options" menu, the following screen appears:



BP1 BP2 BP3 BP4

Select the position for which you want to change the displayed parameter by highlighting it using the "BP1" or "BP2" arrows, then press "BP3" . The following screen will offer a choice of parameters. Position the "dot" in front of the desired parameter, then press "BP4" to return to the previous menu. By default, all parameters managed by LIM are displayed in this list. By pressing the "Edit" button "BP3" , you can disable the parameters not used by your application; this operation can be reversed at any time. Use the "BP1" or "BP2" arrows to select the parameter to be modified by highlighting it, then press "✓", "BP3" to enable or disable it. Press "BP4" to exit the menu.

Note: In addition to the "tool" and "drilling" depth ratings and the "VIA," a maximum of 6 parameters are displayed on the PocketLIM, although it can store more.



PocketLIM

User Manual
"ToolBox" Menu

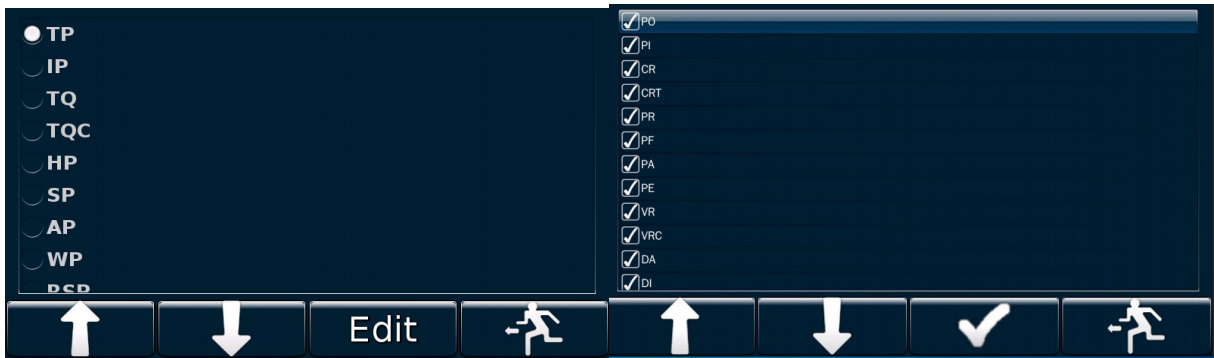
Created: 02/27/24

Updated: 02/27/24

Author: Pascal Ren  bon

Public document

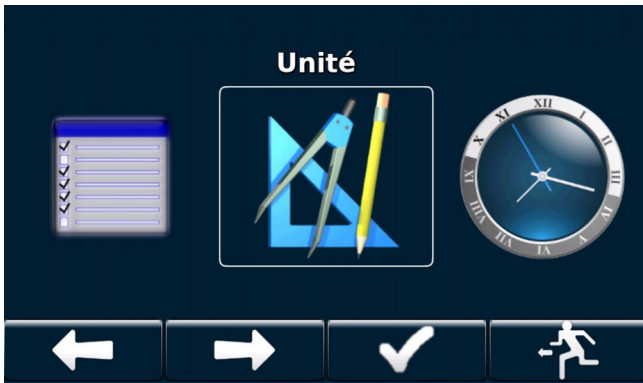
Page 23



2.8 "Unit" menu

This menu allows you to select the units of measurement for the parameters managed by PocketLIM

From the "Toolbox" menu, select the "Unit" function using the arrows, the "BP1" or "BP2" buttons, then confirm your choice by pressing "BP3"  to access the menu To exit this menu, press "BP4".



BP1 BP2 BP3 BP4

Select the type of unit to be modified (depth, speed, etc.) by highlighting it using the "BP1" or "BP2" arrows. Confirm with "BP3"  .

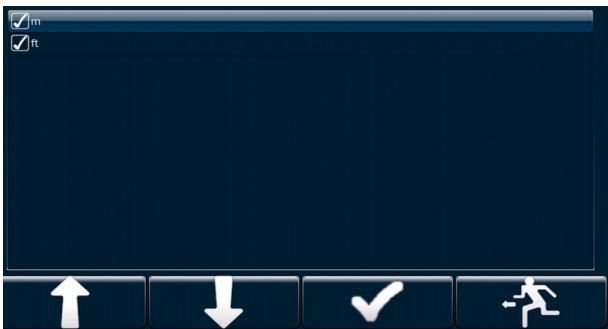
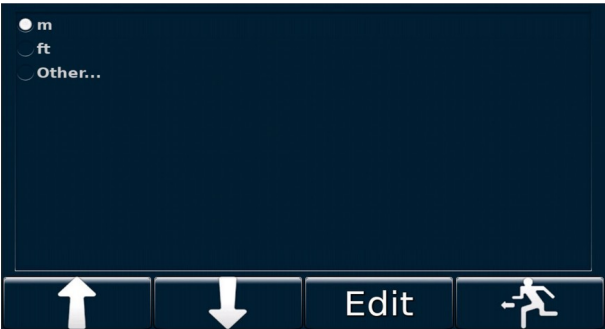
	PocketLIM	Created: 02/27/24	Page 24
	User Manual "ToolBox" Menu	Updated: 02/27/24	
		Author: Pascal Renébon	
		Public document	

To exit this menu, press "BP4"  . This action will automatically restart PocketLIM to apply your changes.



BP1 BP2 BP3 BP4

Select the parameter you want to change by highlighting it using the "BP1" or "BP2" arrows. Then press "BP3"  . A new screen will appear where the operator can choose their preferred unit of measurement. If the preferred unit is not available, the operator can use the "Other" option. To exit the menu, press "BP4"  .



BP1 BP2 BP3 BP4 BP1 BP2 BP3 BP4



PocketLIM

User Manual
"ToolBox" Menu

Created: 02/27/24

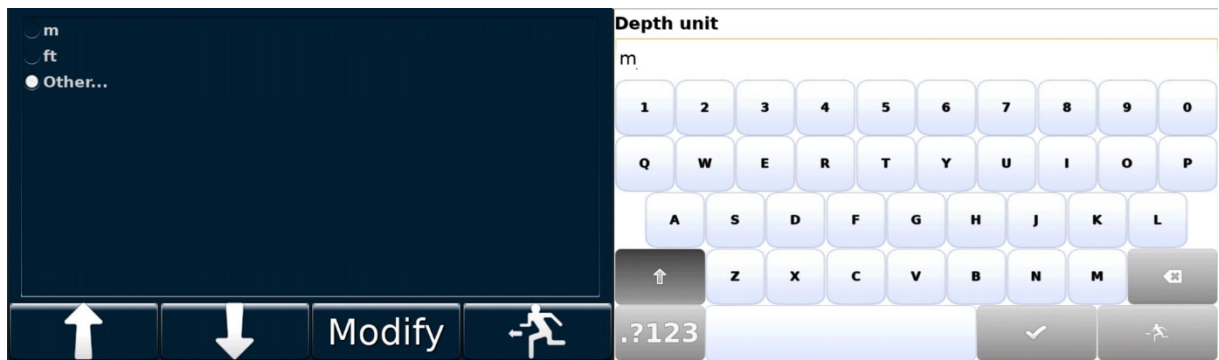
Updated: 02/27/24

Author: Pascal Renébon

Public document

Page 25

If you place the cursor next to the Other function, you can enter a unit of your choice (e.g., cm, mm, dm, etc.). Press the "Modify" button "BP3." **Modifier** The PocketLI will display an alphanumeric keyboard allowing you to enter the desired unit of measurement.



BP1 BP2 BP3 BP4

Pressing " " clears the text you have entered. Press " " to confirm the changes. Press " " to exit this screen without saving your changes. This procedure is the same for all types of units.



PocketLIM

User Manual
"ToolBox" Menu

Created: 02/27/24

Updated: 02/27/24

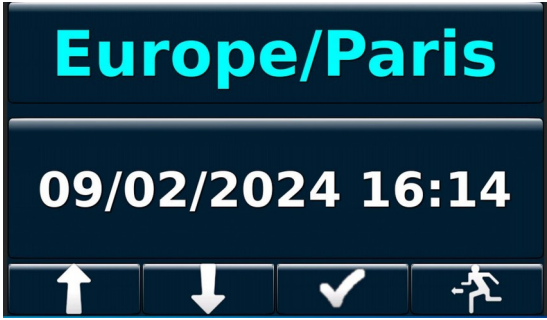
Author: Pascal Renébon

Public document

Page 26

2.9 "Date and time"

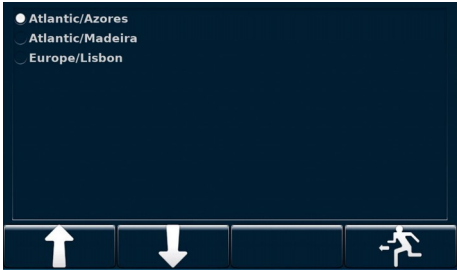
In the "Toolbox" menu, select the "Date/Time" function using the arrows, the "BP1" or "BP2" buttons, then confirm your choice by pressing "BP3"  to access the menu. To exit the menu, press "BP4" .



BP1 BP2 BP3 BP4 BP1 BP2 BP3 BP4

Setting the time zone: To change the time zone, press the top of the "time zone/date selection screen, then use the arrows and the "BP1" or "BP2" buttons to position the "dot" in front of the desired continent (continent screen), then press the "exit" button . This will take you to the menu where you can select the country (or geographical area) you are in, select it using the arrows, press the "exit" button again  to access the menu allowing you to choose the reference city for your time zone, use the arrows to select it, then press the "exit" button  to return to the time setting home screen.

	PocketLIM	Created: 02/27/24	Page 27
	Manual	Updated: 02/27/24	
	Us	Author: Pascal Renébon	
	er the user "ToolBox" menu	Public document	



Set the date and time: Press the bottom of the "time/date" selection screen to access the settings screen. The top line displays the time in "Hours/Minutes/Seconds" format and the bottom line displays the date in "Day/Month/Year" format. Select the parameter to be changed by moving the cursor with the "Next" button B P 3  , then adjust its value using the + or - buttons   BP1 or BP2 To exit this menu, press "BP4". 



	PocketLIM	Created: 02/27/24	Page 28
	User manual "ToolBox" menu	Updated: 02/27/24	
		Author: Pascal Renébon	
		Public document	

2.10 "Language" menu

PocketLIM operates in several languages. To select the language in which you wish to work, select the "Language" option in the "ToolBox" menu using the "BP1" or "BP2" arrows then press the "BP3" key to confirm . Use the arrows and the "BP1" or "BP2" buttons to position the cursor in front of the desired language, then exit the menu by pressing "BP4".  PocketLIM will restart automatically to apply your choice.



PocketLIM

Created: 02/27/24

Page 29

User Manual
"ToolBox" Menu

Updated: 02/27/24

Author: Pascal Renébon

Public document

2.11 "About"

This menu contains general information about PocketLIM, such as the serial number, software version, network connection status, processor temperature, etc. It also allows you to save or reload the settings (configuration) specific to the machine on which it is installed. Delete the existing configuration to reset the settings and invert the display colors on the screen.

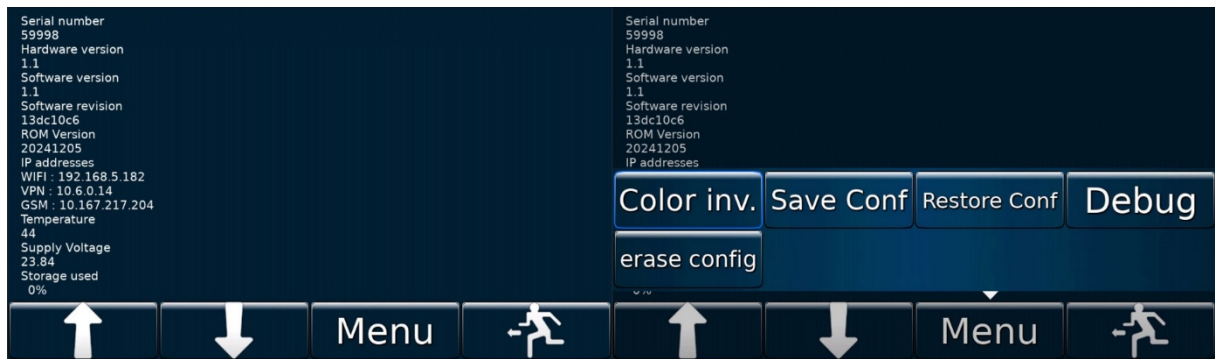
In the "Toolbox" menu, select the "About" function using the arrows, the "BP1" or "BP2" keys, then confirm your choice by pressing "BP3."  to access the menu. To exit this menu, press "BP4." .



BP1 BP2 BP3 BP4

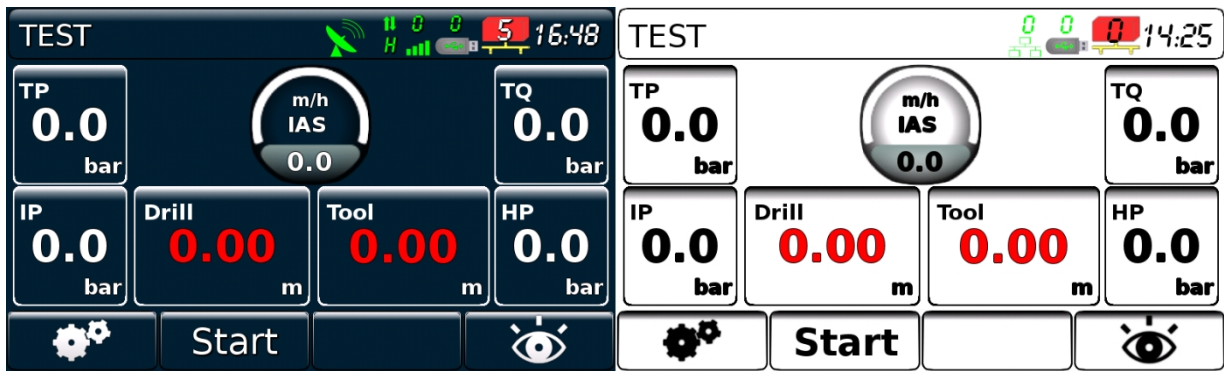
To scroll through the information on the screen, press the "BP1" or "BP2" arrows.  

	PocketLIM	Created: 02/27/24	Page 30
	User Manual "ToolBox" Menu	Updated: 02/27/24	
		Author: Pascal Renébon	
		Public document	



BP1 BP2 BP3 BP4 BP1 BP2 BP3 BP4

To switch the screen display to black and white, press "BP3." **Menu** then "Color inv" **Color inv**, the PocketLIM will restart to apply the change.



To save the device configuration, insert a USB key into the dedicated port and press the "BP3" menu. **Menu** then "Save Conf." **Save Conf**. This file can now be stored on a computer or imported into another PocketLIM.



PocketLIM

User Manual
"ToolBox" menu

Created: 02/27/24

Updated: 02/27/24

Author: Pascal Ren  bon

Public document

Page 31

To restore a configuration, copy the corresponding config.xml file to a USB key, connect the key to the dedicated port on the PocketLIM you want to configure, and press "BP3"  then "Restore conf"  . The PocketLIM will restart automatically after loading the new configuration.

To delete an existing configuration, after entering the "About" menu, press "menu"  then "erase config"  . The device resets all modifiable parameters to their initial factory settings. The PocketLIM restarts to apply the changes.

 is a diagnostic tool used by LIM technicians.

2.12 "Update" menu

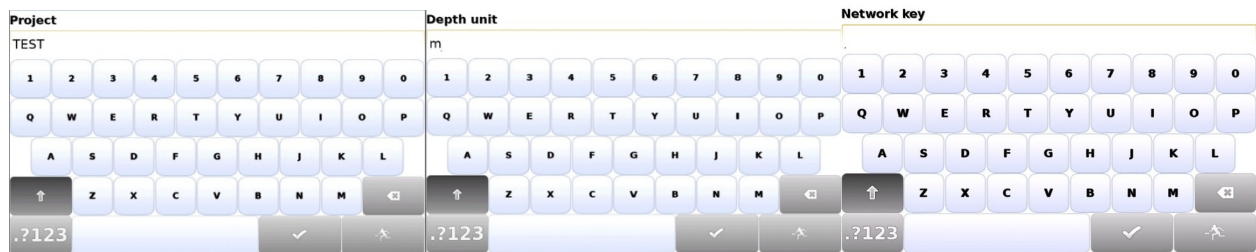
From the "Toolbox" menu, select the "Update" function using the arrows, "BP1" or "BP2" buttons, then confirm your choice by pressing "BP3"  to access the menu. To exit this menu, press "BP4"  .



Note: Contact LIM headquarters if an update is necessary.

	PocketLIM	Created: 02/27/24	Page 32
	Manual	Updated: 02/27/24	
	Us	Author: Pascal Renébon	
	er User "ToolBox" menu	Public document	

**3 Operation "Touchpad" : Name of field or parameter
parameter in c modification.**



Project : Name of the field or parameter being modified.

TEST : Text being modified.

 : Switch between upper and lower case.

 Switch to numeric keyboard and punctuation: Switch to alphanumeric keyboard.

 Switch to alphanumeric keyboard: Switch to alphanumeric keyboard.

 Access to mathematical symbols.

 Delete: press once to delete character by character, press and release to delete the entire line of text.

 Confirm: Confirms the text entered and exits the keyboard menu.

 : Exits the keyboard menu without saving changes.

