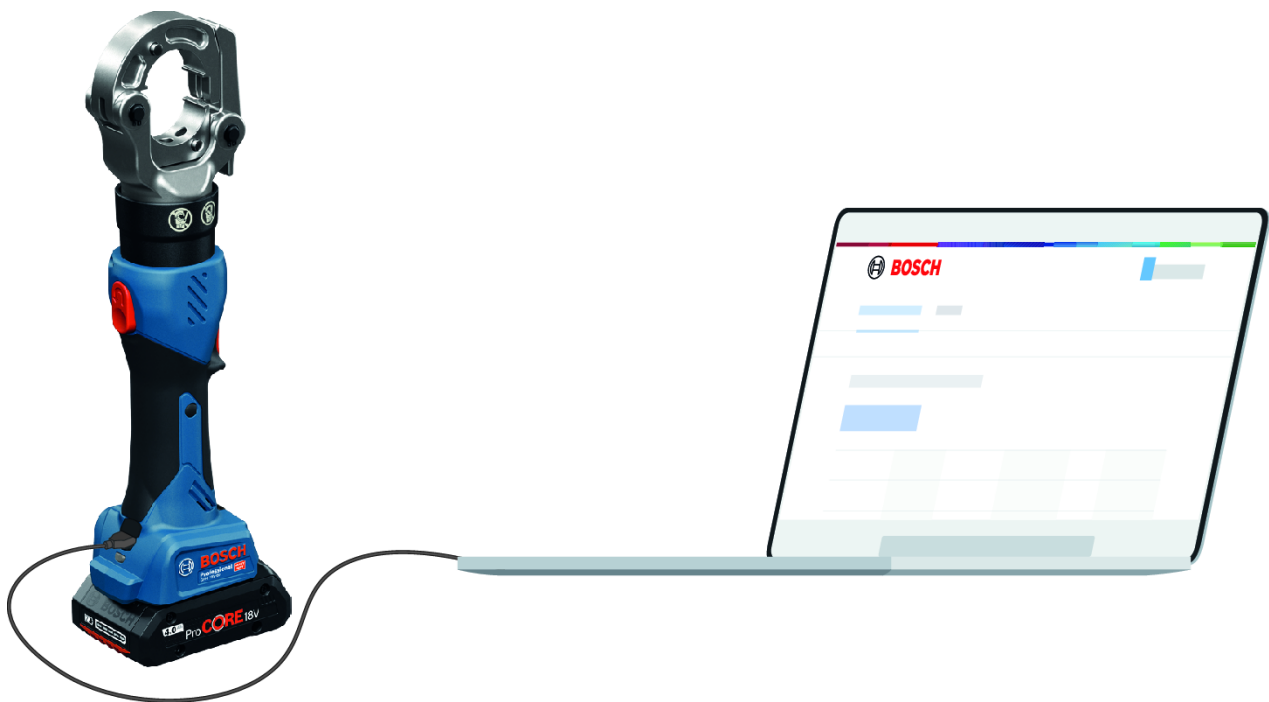


Hydraulics Read-Out Software



General information

These instructions describe the Bosch Read-Out Software program with all its functions and setting options.

This software is designed to read out data from the following power tools and create reports from it:

- GKH 18V-50
- GLH 18V-60
- GPH 18V-60

The power tool data cannot be read out without the installed software.

System Requirements

The Bosch Read-Out Software can only be installed on a PC with the following requirements:

- Windows 10 or 11 operating system
- Processor with at least 1 GHz
- At least 512 MB working memory
- At least 4.5 GB hard disk space
- USB 2.0 interface

You also need a commercially available USB Type-C® cable for data transfer.

USB Type-C® and USB-C® are trademarks of USB Implementers Forum.

If the requirements are not met (e.g. an operating system not supported by the software is used), it may not be possible to establish a connection to the power tool.

Installing Software

Save the file with the software on your PC.

Run the file

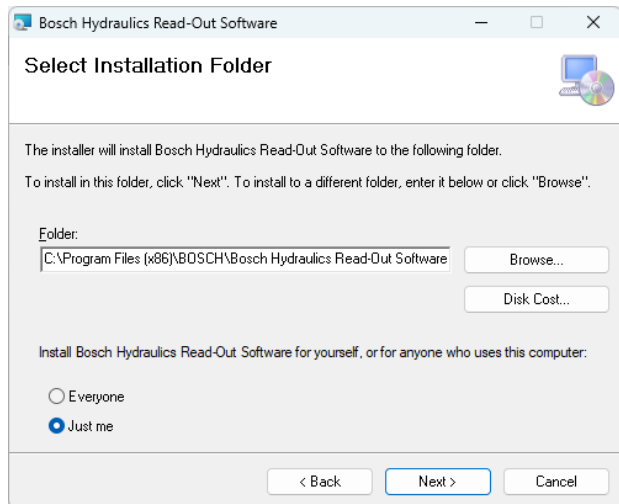
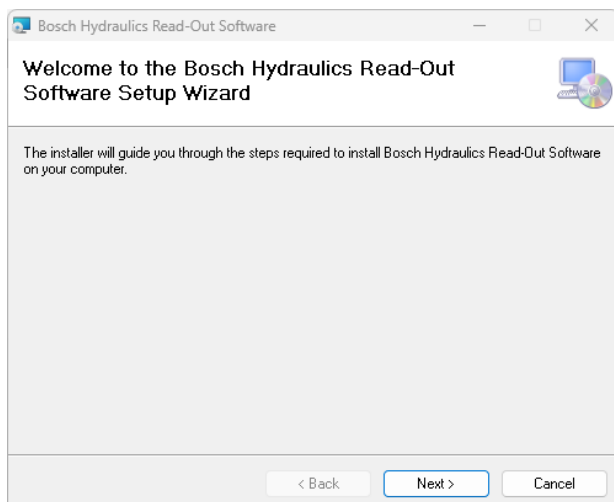
<BoschHydraulicReadoutSoftware>.

Follow the instructions on the display screen for installation.

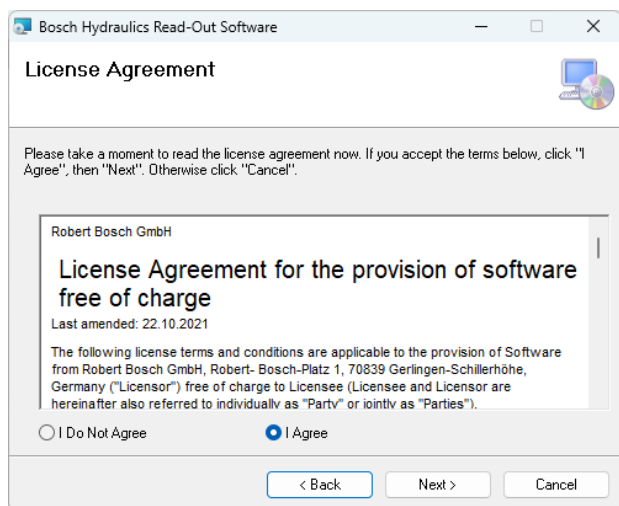
You can either continue the installation process with

<Next>, return to the previous display screen with **<Back>**

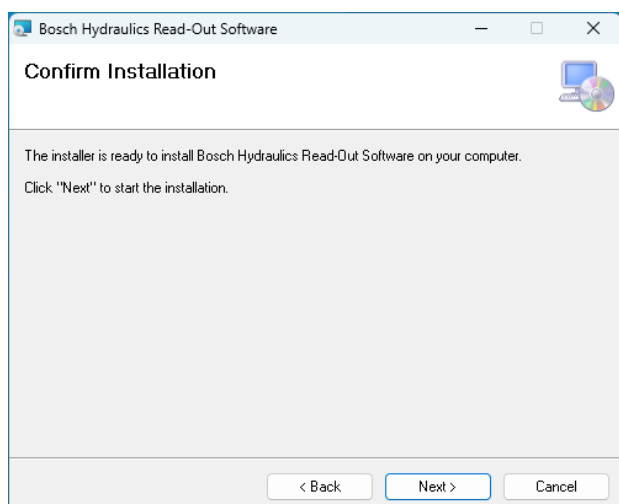
or cancel the installation process with **<Cancel>**.



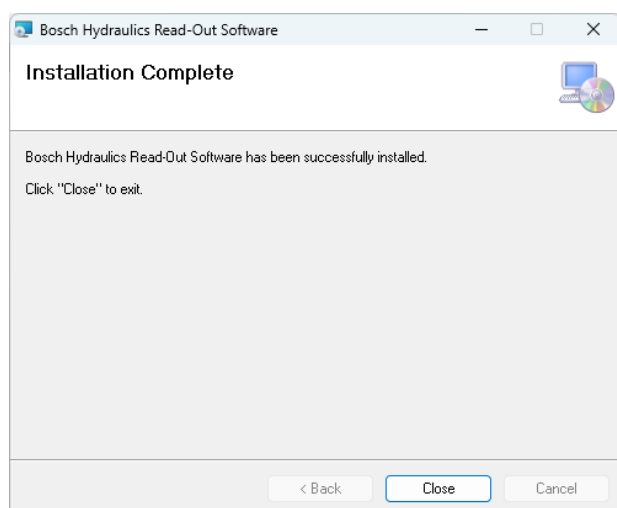
- A software installation path is suggested to you under **<Folder>**.
- You can change the installation path under **<Browse>**.
- You can find out how much storage space is required for the software under **<Disk Cost...>**.
- To access the program, choose between **<Everyone>** and **<Just me>**.



- You can agree to **<I Agree>** or reject **<I Do Not Agree>** the licence conditions. Rejecting the licence conditions will cancel the installation.



- Click **<Next>** to start the installation.



- Once the installation is complete, select **<Close>** to exit the installation menu.

Note: The software is not updated automatically. If there are any problems with the software, you can check on the product pages of the GKH 18V-50, GLH 18V-60 or GPH 18V-60 at www.bosch-pt.com whether a newer version of the software is available, and you can install it.

Connecting the Power Tool to the PC

Connect the USB port of the power tool to the USB port of your PC using a USB Type-C® cable.

To establish the connection, a rechargeable battery must be inserted into the power tool and the power tool must be switched on. Please refer to the operating instructions for your power tool.

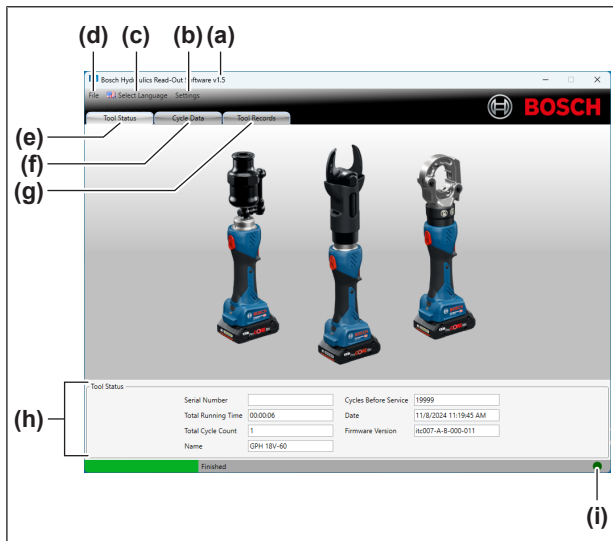
If the power tool is in sleep mode, briefly press the power tool's on/off button once to activate the power tool.

The status of the connection between the power tool and PC can be seen in the connection indicator **(i)** at the bottom right of the software status bar:

Colour of connection indicator	Meaning	Corrective measures
Green	Connection successfully established, data can be transmitted	
Red	Connection error	<ul style="list-style-type: none"> – Close the software and restart it. – Remove the rechargeable battery from the power tool and then reinsert it. – Remove the USB cable and plug it in again. Check the USB cable on another tool and replace it with another USB cable if necessary. – Check whether the operating system meets the system requirements for the software (see "System Requirements", page 2). – If the power tool is defective, no connection can be established. Send the power tool to an authorised Bosch after-sales service centre.
Grey	Software is open, no power tool connected	<ul style="list-style-type: none"> – Connect the power tool to the PC. – Ensure that a sufficiently charged rechargeable battery is inserted into the power tool.

Software

Standard Display Screen



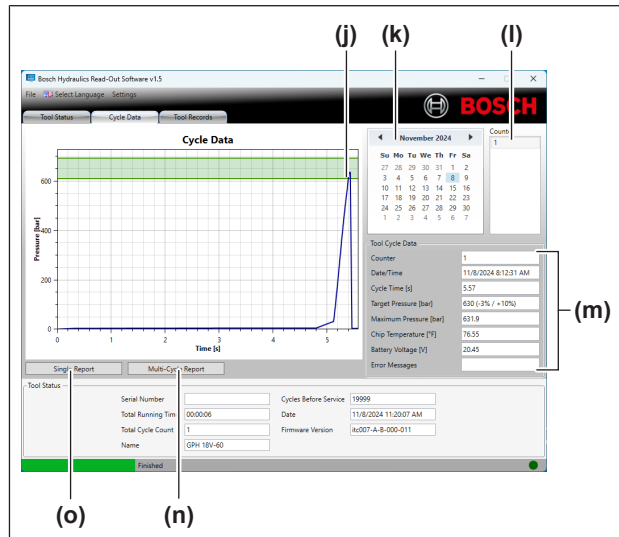
- (a) Installed version of the Read-Out Software
- (b) **<Settings>** menu: Here, you can switch between the units of measurement °C and °F (for the measured values for temperature) and between bar and psi (for the measured values for pressure).
- (c) **<Select Language>** menu to change the language
- (d) The **<File>** menu contains the following submenus:
 - **<Report>** to create a report over several work cycles (**<Multi-Cycle Report>**),
 - **<Export as CSV>** to export a report as a CSV file,
 - **<Close>** to exit the software.
- (e) After starting the software, the **<Tool Status>** tab is displayed with the illustration of the compatible power tools and the status overview (h).
- (f) In the **<Cycle Data>** tab, you can find information about the individual work cycles (see "Work Cycle Data", page 4).
- (g) In the **<Tool Records>** tab, you can create and save comments (see "Comment Function", page 5).
- (h) You can find the following information in the status overview at any time, regardless of the tab selected:
 - **<Serial Number>**: Serial number of the connected power tool
 - **<Total Running Time>**: Total number of operating hours of the connected power tool
 - **<Total Cycle Count>**: Total number of previous work cycles of the connected power tool
 - **<Name>**: Product designation of the connected power tool
 - **<Cycles Before Service>**: Number of work cycles still remaining until the next maintenance (every 20000 work cycles)

- **<Date>**: Current date and time
- **<Firmware Version>**: Version of the operating software of the connected power tool

- (i) You can see the status of the connection to the power tool from the colour of the connection indicator (i) (see "Connecting the Power Tool to the PC", page 3).

Work Cycle Data

You can find the following information in the **<Cycle Data>** tab:



- (j) Pressure curve of the selected work cycle
- (k) Calendar for selecting a work cycle
- (l) Under **<Counter>**, you can find the numbering of the work cycles available for selection for the marked date.
- (m) Under **<Tool Cycle Data>**, you can find the following information on the selected work cycle:
 - **<Counter>**: Number of the work cycle
 - **<Date/Time>**: Time at which the work cycle was performed
 - **<Cycle Time [s]>**: Total duration of the work cycle (in seconds)
 - **<Target Pressure [bar]>** or **<Target Pressure [psi]>**: Target pressure of the power tool (in the selected unit of measurement)
 - **<Maximum Pressure [bar]>** or **<Maximum Pressure [psi]>**: Maximum pressure reached in the work cycle (in the selected unit of measurement)
 - **<Chip Temperature [°C]>** or **<Chip Temperature [°F]>**: Temperature of the power tool electronics during the work cycle (in the selected unit of measurement)
 - **<Battery Voltage [V]>**: Maximum voltage of the power tool rechargeable battery during the work cycle (in volts)

- **<Error Messages>**: If there were error messages during the work cycle, these are displayed here.

- (n) Button for creating a report on several work cycles
- (o) Button for creating a report on the displayed work cycle

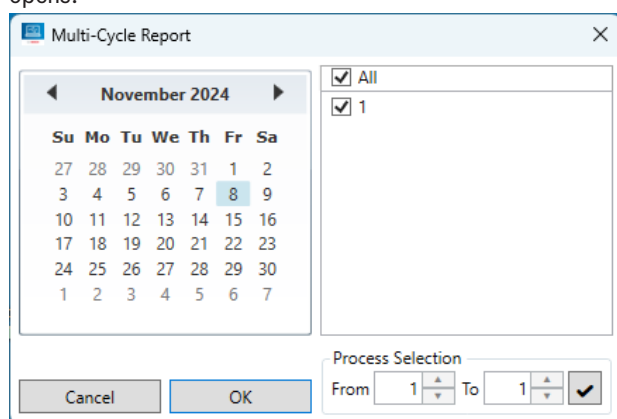
In the calendar, select the date of the work cycle whose information you would like to see. Days on which at least one work cycle has been saved are highlighted in orange. The selected date is highlighted in blue.

As soon as a date has been selected, the consecutive numbers of the work cycles performed on that day appear under **<Counter>**. The selected work cycle, whose pressure curve (j) and work curve data (m) are displayed, is highlighted in blue.

You can save all displayed information on the selected work cycle, including the pressure curve, as a PDF file.

Select **<Single Report>** (o) for the data of the currently displayed work cycle.

If you select **<Multi-Cycle Report>** (n), another menu opens:



In the calendar, select the date for which you would like to create the report. The selected date is highlighted in blue.

Error Messages and Corrective Measures

The exact error messages of the power tool are displayed in the **<Error Messages>** line in the **<Tool Cycle Data>** (m) menu. If the following error messages appear, you can rectify the error yourself:

Error message	Corrective measures
<Battery ID>	An unsuitable rechargeable battery has been detected. Only use rechargeable batteries that are recommended in the operating instructions for the power tool.
<Battery Undervoltage>	Charge the battery. If the error is still displayed, replace the rechargeable battery.
<Battery Temperature>	The rechargeable battery is outside the operating temperature range. Allow the rechargeable battery to cool down or warm up at a suitable ambient temperature.
<PCB Temperature>	The power tool is outside the operating temperature range. Allow the power tool to cool down or warm up at a suitable ambient temperature.
<Processor Temperature>	

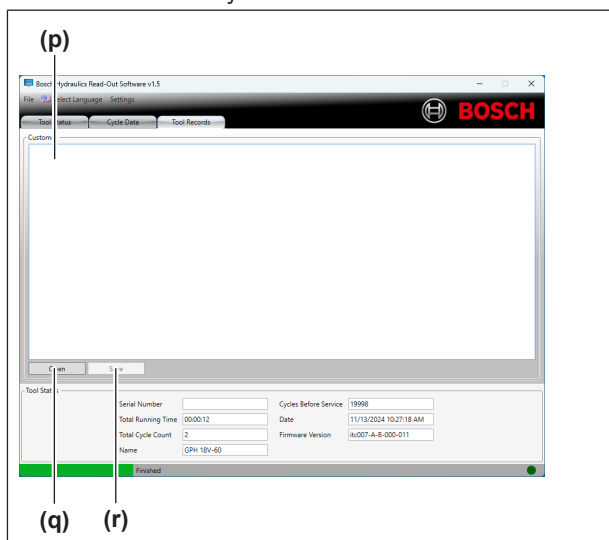
If one of these error messages is still displayed despite the specified measures, as well as in the event of all other possible error messages, send the power tool to the **Bosch** after-sales service, stating the error message.

Then mark the numbers of all the work cycles for which you would like to create the report. Confirm the selection with **<OK>** to save the multi-report.

You can also access the **<Multi-Cycle Report>** menu by selecting the **<Report>** submenu under **<File>**.

Comment Function

In the **<Tool Records>** tab, you can save and change comments as a TXT file on your PC:



(p) Enter your comment in the comment field.

(q) Open an existing comment file with the **<Open>** button.

(r) Save the comment file with the **<Save>** button.

In addition to the storage date and time of the comment, the serial number, firmware version and total number of work cycles of the connected power tool are also saved for each comment.