

SKF Microlog Sync



User Manual

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SKF Sverige AB
Hornsgatan 1, 415 50 Göteborg, Sweden
Telephone: +46 (0) 31 337 10 00, Fax: +46 (0) 337 28 32

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1 Introduction

This chapter is a short introduction to the SKF Microlog Sync web application.

1.1 Purpose

The purpose of this document is to describe the content and functionality of the SKF Microlog Sync web application.

1.2 Overview

The SKF Enlight Centre allows a user to download routes, collect measurement data with a Microlog Analyzer and upload the data to SKF Enlight Centre. The uploaded data can then be used for analysis, trending and/or troubleshooting with the SKF Enlight Centre web application. With the SKF Microlog Sync application the user can perform a number of tasks with a single click. SKF Microlog Sync also allows the user a more hands-on approach for manipulating route and measurement data.

1.3 Common terms

- **Download:** To move the contents of a collection route from a local directory file (.dskf file) to a Microlog Analyzer.
- **Upload:** To move measurement data from a SKF Microlog Analyzer to a local directory file (.maulf file).
- **Clear:** To delete all routes and measurement data from a SKF Microlog Analyzer.
- **Sync:** (Multi-step process) Uploads measurement data from a SKF Microlog Analyzer for any routes loaded (regardless if measurements have been taken), clears the SKF Microlog Analyzer and then downloads (if a route is available).
- **Serial:** RS-232 cable connection.
- **USB:** Universal Serial Bus connection.

2 Functionality description

This chapter describes the functions in the SKF Microlog Sync web application.

2.1 Status section

This section displays the connection status of the SKF Microlog Analyzer and also contains a **Sync** button for synchronising the SKF Microlog Analyzer.

- **Title:** 'Microlog Sync'
- **Connection Bar:** Displays the status of the SKF Microlog Analyzer connection to the system. If the SKF Microlog Analyzer is not connected, the bar will be red, displaying, 'Device Not Connected'. Otherwise, the bar will be green, displaying, 'Device Connected'.
- **Communication/feedback** area, located just below the connection bar, displays various messages about ongoing processes and files available for download. For example, if a SKF Microlog Analyzer is connected and a route is available for download a 'New Data Available' message will be displayed in this section.
- **Sync button:** Evokes the synchronisation process.
- **Device Time:** After an operation (sync, clear, upload, download) has been completed on a SKF Microlog Analyzer, the area just below this label will display the time on the SKF Microlog Analyzer.
Note: The time on the SKF Microlog Analyzer should be in sync with the system time.
- **Last Sync:** The area just below this label reflects the last time a successful sync operation was completed.

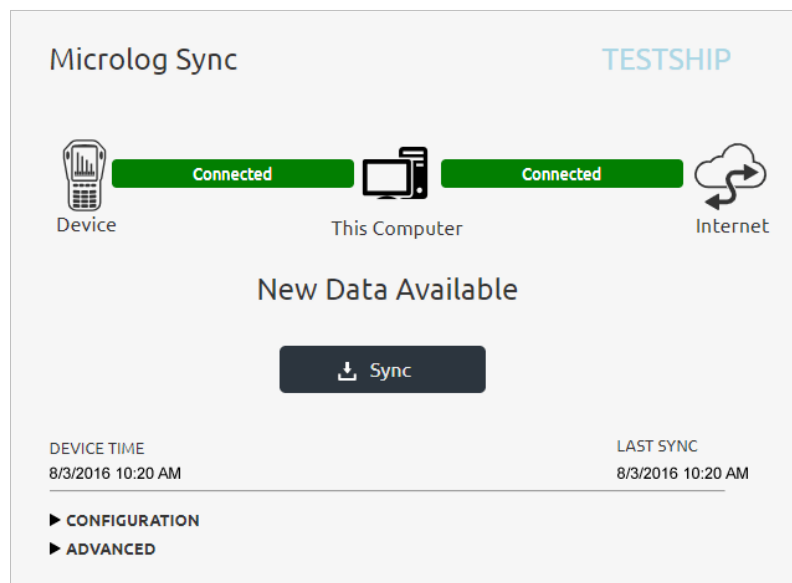


Figure 1 – Status section

Configuration (accordian) section

2.2 Configuration (accordian) section

When expanded this section will display configuration options and a **Clear** button for either a USB connection or a serial connection.

For a USB connection:

- **USB/Serial toggle switch:** Allows the user to configure a USB or Serial connection
- **Clear button:** When clicked, the SKF Microlog Analyzer will be cleared.

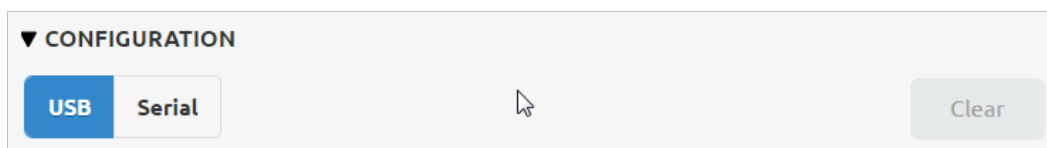


Figure 2 – Configuration (accordian) section, USB connection

For a serial connection:

- **USB/Serial toggle switch:** Allows the user to configure a USB or Serial connection
- **Baud Rate:** A drop-down combo box which allows the user to select a baud rate. This baud rate must be the same as the baud rate setting in the SKF Microlog Analyzer.
- **COM Port:** A text box that allows the user to enter the COM port the SKF Microlog Analyzer is using to communicate to the system. Normally the value will be '1', however, virtual COM ports are permitted which will be a value normally greater than '3'.
- **Clear button:** When clicked, the SKF Microlog Analyzer will be cleared.

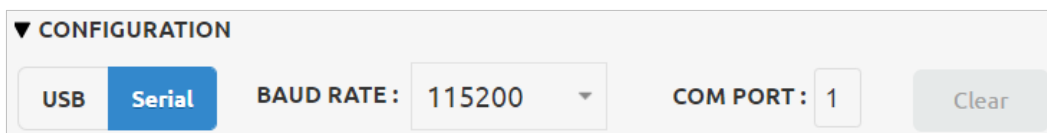


Figure 3 – Configuration (accordian) section, Serial connection

Note: When a SKF Microlog Analyzer is connected, the USB/Serial toggle switch will be disabled and the **Clear** button will be enabled.

When there is no SKF Microlog Analyzer connected, the USB/Serial toggle switch is enabled and the **Clear** button is disabled.

Regardless of the current state of the configuration section, if a SKF Microlog Analyzer USB is connected the toggle switch will be disabled and the USB part of the switch will be selected.

2.3 Advanced (accordion) section

When expanded this section allows the user to download routes, retrieve specific route measurements and retrieve measurements with the **Brute Force** option.

Send measurement collection lists to device group

This group is used to select a route file and send it to the SKF Microlog Analyzer.

- **Select:** When clicked a file selection dialog is displayed allowing the user to select a (.dskf) file.
- **Text area:** Displays the name of the selected file.
- **Send button:** Loads the selected route onto the SKF Microlog Analyzer.

Receive measurement data from device (upload routes) group

This group is used to retrieve measurement data from the SKF Microlog Analyzer.

- **Get Data List button:** Retrieves the names of the routes currently on the SKF Microlog Analyzer and fills the corresponding drop-list control with the route names.
- **Route names drop-list control:** Contains the names of the routes currently on the SKF Microlog Analyzer. This control will be empty until the user clicks the **Get Data List button**.
- **USE BRUTE FORCE checkbox:** Allows the user to upload data using **Brute Force**, see Notes for details.
- **Receive button:** When clicked, measurements will be uploaded for the selected route.
- **Text area:** Displays the name and location of the (uploaded) measurement file. If no measurements have been Received, this area will display, '*Received File Path:*'.

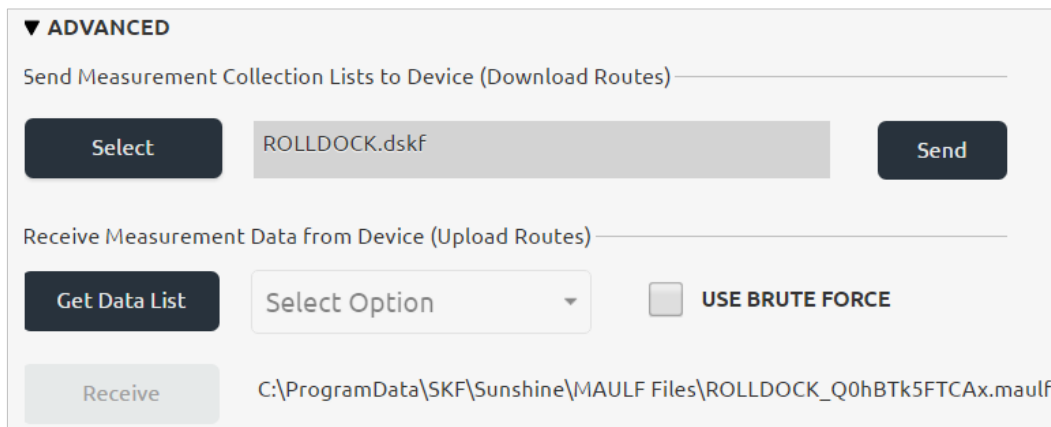


Figure 4 – Advanced (accordion) section

FUNCTIONALITY DESCRIPTION



Advanced (accordian) section

Note: The **Sync** button will be disabled if the **Advanced** section is open.

If the **Brute Force** option is selected, new POINTs will be created (beneath a Non-ROUTE set in the hierarchy) for all uploaded collector POINTs (even if the uploaded POINTs already exist in the hierarchy). All measurement data will be uploaded into these new POINTs.

If the user clicks the **Get Data List** button and there are no routes on the device, the label **NON-ROUTE** will appear in the route name control.

3 Glossary

SKF Enlight Centre

SKF Enlight Centre is a web based software that is implemented to facilitate collection and analysis of machine data.

SKF Microlog Analyzer

SKF Microlog Analyzer is a data collecting device used for collecting machine data.

SKF Microlog Sync

SKF Microlog Sync is a software used for synchronizing routes and collected data with the SKF Microlog Analyzer and SKF Enlight Centre.

4 References

1. SKF Enlight Centre User Manual,
Part No. 15V-090-00076-100 EN, Revision A
2. SKF Microlog® AX Series Data Collector/Analyzer User Manual,
Part No. 32298600-EN, Revision E
3. SKF Microlog® GX Series Data Collector/Analyzer User Manual,
Part No. 32298500-EN, Revision E

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If Licensee is acquiring the Software for or on behalf of a subdivision of the U.S. federal government, this Section 16 shall apply. The Software was developed completely at private expense, is existing computer software, is a trade secret for all purposes of the Freedom of Information Act, is "restricted computer software" and in all respects proprietary data belonging solely to Licensor, and all rights are reserved under the copyright laws of the United States. Use, duplication, or disclosure by the Government is subject to restricted rights as set forth in subparagraphs (a) through (d) of the Commercial Computer Software Restricted Rights clause at FAR 52.227-19, or for DoD units, the restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.227-7013.

17. TRADEMARKS

Licensee agrees that SKF Microlog Sync, SKF @ptitude Analyst, SKF @ptitude Inspector, SKF @ptitude Observer, SKF @ptitude Decision Support or any other software within the SKF @ptitude family suite and the trade dress, logos and other designations of source used by Licensor to identify the Software are trademarks or registered trademarks of Licensor. Licensee shall not use Licensor's trademarks or service marks without the prior written consent of Licensor. If the Software contains any active links to web sites, you agree to maintain such active links and not redirect or modify them.

18. GENERAL PROVISIONS

(a) Complete Agreement. The Parties agree that this Agreement is the complete and exclusive statement of the agreement between the Parties, which supersedes and merges all prior proposals, understandings and all other agreements, oral or written, between the Parties relating to the use of the Software.

(b) Amendment. This Agreement may not be modified, altered or amended except by written instrument duly executed by both Parties. Any purchase orders or other ordering documents issued to Licensee by Licensor shall not have the effect of amending or modifying this Agreement, and shall only serve to memorialize the number of licenses or products ordered by Licensee. In the event of a conflict between the PSP Policies and this Agreement, the terms of this Agreement shall control.

(c) Waiver. The waiver or failure of either party to exercise in any respect any right provided for in this Agreement shall not be deemed a waiver of any further right under this Agreement.

(d) Severability. If any provision of this Agreement is invalid, illegal or unenforceable under any applicable statute or rule of law, it is to that extent to be deemed omitted. The remainder of the Agreement shall be valid and enforceable to the maximum extent possible.

(e) Read and Understood. Each party acknowledges that it has read and understands this Agreement and agrees to be bound by its terms.

(f) Limitations Period. No action arising under, or related to, this Agreement, may be brought by either party against the other more than two (2) years after the cause of action accrues, unless the cause of action involves death or personal injury.

(g) Attorneys' Fees. In the event any litigation is brought by either party in connection with this Agreement, the prevailing party in such litigation will be entitled to recover from the other

party all the costs, reasonable attorneys' fees, and other expenses incurred by such prevailing party in the litigation.

(h) Authorized Representative. The person installing or using the Software on behalf of Licensee represents and warrants that he or she is legally authorized to bind Licensee and commit Licensee to the terms of this Agreement.

(i) Injunctive Relief. Licensee agrees that Licensor may suffer irreparable harm as a result of a violation of Sections 2, 4, 6, 10, 15, and 17 of this Agreement and that monetary damages in such event would be substantial and inadequate to compensate Licensor. Consequently, Licensor shall be entitled to seek and obtain, in addition to such other monetary relief as may be recoverable at law or in equity, such injunctive other equitable relief as may be necessary to restrain any threatened, continuing, or further breach by Licensee without showing or proving actual damages sustained by Licensor and without posting a bond.