

# Care and use of memory cards

## For use with SKF Microlog Analyzers

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### Summary

The SKF Microlog Analyzer GX and AX data collectors/analyzers support memory cards for additional ROUTE/data storage. This document outlines some of the key considerations for users who wish to use memory cards.

**Important note:** Failure to follow the guidelines laid out in this document may result in data loss or corruption of ROUTEs. Please read this document carefully and follow these guidelines at all times.

## Care and usage of memory cards

### Types of memory card supported by SKF Microlog Analyzer

Note that only memory cards of the brands listed in the Safety Installation Drawing can be used in the SKF Microlog Analyzer in a Class I Division 2 or ATEX Zone 2 hazardous areas (for example, SanDisk Secure Digital Card SDCSDx-yyy).

#### SKF Microlog Analyzer GX CMXA 70

Card type	Minimum firmware version	Maximum card size
SD	2.01/2.02	1 GB (See <b>Note 1</b> regarding 2 GB cards)
SD	2.03	4 GB
SD HC	2.03	16 GB
PC	1.01	512 MB
CF (with a PC card adaptor)	1.01	512 MB

#### SKF Microlog Analyzer GX CMXA 75

Card type	Minimum firmware version	Maximum card size
SD	3.05	2 GB
SD HC	3.05	16 GB
PC, CF	Not supported	Not supported

**Note 2:** Support for PC and CF cards are removed in the CMXA 75, as SD cards are now readily available and cheaper.

**Note 1:** GX CMXA 70 v2.01 and v2.02 support SD cards up to 1 GB correctly but problems can occur when using 2 GB SD cards, including loss of data and cards becoming unusable. If you are using SD cards with GX CMXA 70 v2.01 or v2.02 it is important that you upgrade your GX CMXA 70 to v2.03 (available via [www.skf.com/cm/updates](http://www.skf.com/cm/updates)) immediately.



## SKF Microlog Analyzer AX CMXA 80

Card type	Minimum firmware version	Maximum card size
SD	3.01	2 GB
SD HC	3.01	16 GB
PC, CF	Not supplied	Not supplied

## Swapping memory cards

Memory cards can be swapped, for instance, a customer may have one memory card with ROUTEs for one plant and another memory card with ROUTEs for another plant. However it is essential that the SKF Microlog Analyzer is aware that the card has been swapped, as some important database information is held in the instrument's working memory rather than on the memory card.

There are two possible ways to swap cards which will mean that the SKF Microlog Analyzer correctly updates its information from the card:

### Possibility number 1

- 1 Remove the card while the SKF Microlog Analyzer is switched on
- 2 After a few seconds a message appears warning that the ROUTE has been closed because the card has been removed. Press **OK** to clear this message
- 3 The SKF Microlog Analyzer will automatically return to the main menu
- 4 Insert the new card
- 5 Select **ROUTE**, open a ROUTE from the new card and carry on working

### Possibility number 2

- 1 Exit ROUTE mode to return to the main menu
- 2 Switch the SKF Microlog Analyzer **off**
- 3 Remove the old card and insert the new card, while the power is still turned **off**
- 4 Switch the SKF Microlog Analyzer back **on**
- 5 Now press the **Upd.Card** button: this tells the SKF Microlog Analyzer that the card has been changed
- 6 Select **ROUTE**, open a ROUTE from the new card and carry on working

You can use whichever of these procedures you are most comfortable with. Failure to follow one of these procedures when swapping cards can lead to problems including corruption of the ROUTE database or loss of collected measurements.

## Regular initialization of memory cards

Memory cards are commercially produced, mass-market products originally intended for consumer applications such as cameras and mobile phones, and as such are not always as robust as the SKF Microlog Analyzers, which are designed to keep your data as safe as possible.

Accordingly it is possible that errors on the memory card can occasionally result in loss of data.

In order to minimize data loss and get the best robustness from your memory card we recommend that the memory card is initialized (formatted) regularly: on a weekly basis if practical, at the very least monthly. To initialize your memory card use the following procedure:

### Step 1

Upload all ROUTEs and any NON-ROUTE measurements to SKF @ptitude Analyst.

### Step 2

Upload any module data (for example, Frequency Response Functions or Run up Coast down data) to your computer (using ActiveSync to copy files directly, or using SKF's Analysis and Reporting Module).

**Note:** Initializing your Memory Card will delete all ROUTE and module data stored on the memory card.

### Step 3

Go to the **SETUP** screen.

### Step 4

Make sure the **Route Mem** option is set to the appropriate memory type (Card for on the AX, SD card or PC card on the AX).

### Step 5

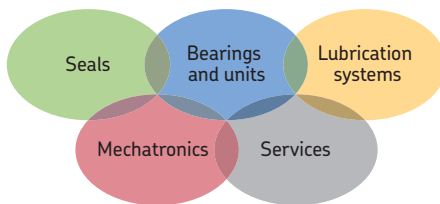
Select the **Memory/Initialize** option.

### Step 6

When the warning "Formatting 'Storage Card' will permanently destroy all data ..." press **Yes** to confirm.

### Step 7

Reload the required ROUTEs from SKF @ptitude Analyst.



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