

Quick Start Guide



“Disable flashwear warning in X2 terminals”

SUEN00411



1 Function and area of use

This document provides guidelines on How to enter the X2 terminals Service menu, further manouver to the diafnostics page, and finally enter the settings, where disabling the flash wear warning can be utilized

2 About this Startup document

This Startup document should not be considered as a complete manual. It is an aid to be able to Startup a normal application quickly and easily.

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Use the following hardware, software, drivers and utilities in order to obtain a stable application:

In this document we have used following software and hardware

- X2 terminals

For further information refer to

- Manual name/number
- [Beijer Electronics knowledge database, HelpOnline](#)

This document and other Startup documents can be obtained from our homepage.

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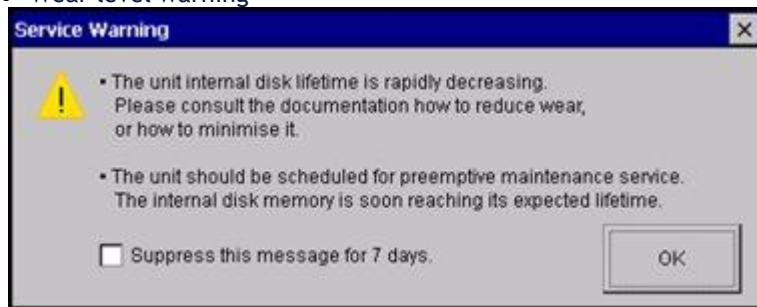
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4 General

The terminals internal disk, is an electronic flash memory, and those types of memory have a certain lifetime, based on the number of write cycles to each memory cell. "Normal" use is not anticipated to wear out the memory within what are considered to be normal lifetime of such equipment. However extensive datalogging and other write intensive operations, could change this situation. In such cases the recommendation is to insert an industrial SD card, and move the database to this location instead. In this way one can easily replace the SD card IF memory wearout or other memory failure occurs.

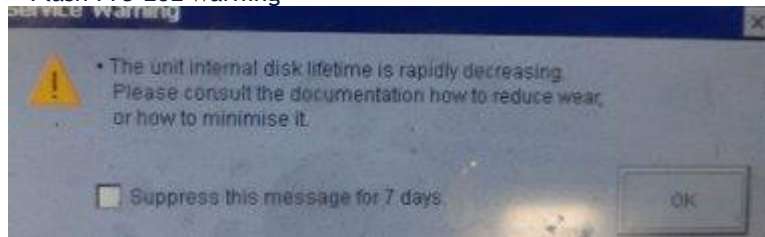
In the X2 terminals image we have two types of Flash Wear Warnings:

- Wear level warning



- It is evaluated by every 10% wear level

- Flash Pre-EoL warning



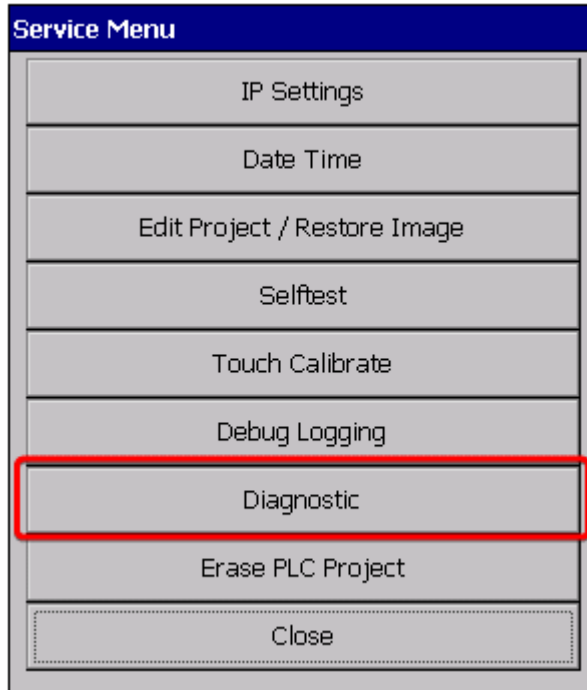
- Warning if the flash has been utilized more than 80%.

- Warnings are visual 1 min after boot up & once a day at 09:00 (local time) unless suppressed
- The service warning message can be suppressed for 7 days by checking the checkbox and press ok.
- The warning message can be further suppressed via settings menu in the terminals Service menu / Diagnostics / Settings
- This suppression will be active until next warning message is calculated (evaluated every 10% wear level)

5 Entering the Service Menu

Perform the following steps to enter the service menu:

1. Apply power to the panel.
2. When the hourglass symbol disappears, press a finger on the screen and hold it (approx 10-20 sec), until the touch calibration screen displays the following message: "Tap anywhere on screen or touch calibrate will start in 10 seconds." (The screen goes all grey at this point)
3. Now lift the finger and press once again to enter the service menu.



6 Diagnostics Menu

To enter Diagnostics press the Diagnostics button shown above:

Diagnostics			
DIAGNOSTICS:		Vendor ID:	112
Boot count:	1451	Name:	40726M
Running time:	24958,0 h	Revision:	3.0
Backlight time:	21191,8 h	Manufactured:	2016-6
CPU temperature:	36°C	Serial:	827888661
CPU temp. range:	-6°C to 67°C		
Board temperature:	41°C	PANEL INFO:	
Board temp. range:	0°C to 52°C	Hardware ID:	138
CPU overtemp. time:	0,0 h	Hardware Version:	1
Board overtemp. time:	0,2 h	Brand ID:	8
Image restore count:	2	Brand name:	iX Panel
Backlight due date:	05-10-2081	Brand type:	X2 control 10
Battery status:	GOOD	Product ID:	0
IMAGE INFORMATION:		Ce Version:	8
Factory Image:	v8.0 build 325	Device Type:	4
Previous Image:	v8.0 build 775	OEM ID:	0
Current Image:	v8.0 build 906	Codesys Version:	v3.5.13.30.12
Current EBoot:	v8.0 build 906	Serial Number:	188224-00374
FLASH MEMORY:		Thing ID:	
Life used:	10% - 20%	SYSTEM BOARD:	
EOL info:	Normal	Type:	IMX7 (1)
Estimated EOL:	>2123-01-31	Variant:	Advanced (2)
		HwRevision:	0A1

Settings Licenses
< > Save to USB memory Close

7 Suppress flash\disk wear warning

Now press the “settings” button in the low left corner of the diagnostics page:

Diagnostics - Settings

Suppress battery warning

☐

Off

Suppress disk wear warning

☒

On

Select FTDI interface

VCP

Close

Set the “Suppress disk wear warning” to ON

Then close the dialogues.

Doned 😊

The warning dialogue is now suppressed until the next 10% wear level is reached.

If the time to reach this next 10% level is still to fast to secure a reasonable lifetime, the wear warning will reoccur.

If the time is within what is considered normal wear, the warning will not appear any more.

8 About Beijer Electronics

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