

F²MC-16FX FAMILY

16-BIT MICROCONTROLLER

ALL SERIES

RESTRICTIONS AND LIMITATIONS OF USAGE OF EUROSCOPE LITE V3.0.4

CUSTOMER INFORMATION

Revision History

Date	Issue
2009-06-24	V1.0; 1 st version; MWi/HWe

This document contains 11 pages.

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0 Introduction

This customer information describes the restrictions and limitations of using *EUROScope LITE* debugger version 3.0.4.

1 Stepping out of Interrupt Function

LIMITATION OF LEAVE FUNCTION (STEPPING OUT) OF INTERRUPT FUNCTION

1.1 Stepping out of Interrupt Function

It is not possible to step out of an Interrupt Service Request Function. The behavior of EUROScope may be undefined after trying this.

Workaround: Please do not click on “Leave Function (Step out)” when the program counter is within an ISR.

2 BDM Configuration

EUROSCOPE BDM CONFIGURATION BLOCK ADJUSTING

2.1 Missing BDM Configuration

It may happen that after re-flashing a project without BDM settings, no connection is possible anymore. In this case EUROScope did not include the BDM settings although the correct checkbox was checked.

Workaround: Please set always BDM configuration in *Start.asm* code.

2.2 BDM Configuration setting is not saved

Take care that the BDM settings of the Flash Agent are not save in the EUROScope configuration file (debug.cfg).

3 Monitoring

LIMITATION OF MONITORING FEATURE

3.1 Number of Array-Elements are limited

Currently only the first elements of an array are monitored.

Workaround: - none-

3.2 Bit fields of structs/unions

Currently bit fields of structs/unions are not displayed correctly.

Workaround: - none-

4 Data Breakpoint

LIMITATION OF DATA BREAKPOINTS

4.1 Data Breakpoint

Currently data breakpoints might not work properly. Please do not use data breakpoints.

5 Time Out during Flash Process

SOMETIME THERE IS NO WARNING MESSAGE

5.1 Communication Error during Flash/Erase process

Not every communication error (e.g. disconnection) is recognized correctly by EUROScope. It may happen that EUROScope goes into "Halt State".

Workaround: Do not interrupt the Flash/Erase process.

6 Flashing Procedure

REUSE OF FUJITSU FLASH PROGRAMMER KERNELS

6.1 Warranty Restrictions

Because EUROScope uses the Fujitsu 16FX Flash programmer kernels there is no warranty of proper Flash programming. The same restrictions denoted in the Fujitsu16FX Flash Programmer help chapter 10 are valid:

