



EM6819 Software installation notes

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1. Introduction

This document will guide you through the installation of the **EM6819 database** and the **Raisonance tools for C816** (Integrated Development Environment Ride for C816 MCU and EM6819 Low Power 8- bit Microcontroller).

2. Install EM6819 documentation and support database

This installation will provide you an easy way to find in few clicks all technical documentation, user manuals, application notes, software examples, C macros etc ... that you may used during your EM6819 firmware development

2.1 Downloading the software

Download EM6819 documentation and support database from EM FTP: ftp://emm-ftpmcuuser:4em2see@194.209.66.206/kit6819/SetupDatabaseEM6819.exe (Note: The database can be updated frequently, please check for updates)

2.2 Installing the software

Run the setup file **SetupDatabaseEM6819.exe** and follow the steps to complete the database installation.

All the available resources can be easily selected in the html page provided along the Program shortcut "Database for EM6819 Microcontroller".





EM6819 Database and Raisonance tools for C816 installation notes

Application - Windows Internet Explorer provided by EM Microelectronic-	-Marin SA		
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EM6819 Docun	nentation and Software data September 29, 2014 EM6819 SPECIFICATION	abase.	X.X update / new
DELIVERABLE	DOCUMENT NAME	FILE - SOURCE - CODE	REV.
EM6819 Datasheet Datasheet of EM6819 Microcontroller	EM6819 datasheet	EM6819 DS.pdf	<mark>9.0</mark>
EM6819 – B300 Datasheet Datasheet of EM6819 –B300 Microcontroller	EM6819 B300 datasheet	<u>6819-DS-02.pdf</u>	3.0
EM6819 Programming Specification Programming algorithm	EM6819 Programming Specification	EM6819 ProgSpec.pdf	1.20
CoolRISC Manual 8-bit CoolRISC Core Manual (architecture, instruction set,)	CoolRISC Manual	<u>cr816.pdf</u>	1.1
DELIVERABLE	TOOLS DEVELOPMENT DOCUMENT NAME	FILE - SOURCE - CODE	REV.
Assembler GNU manual Assembler for CoolBISC C816 user manual	AS	as. PDF	1.0
C-compiler for CoolEIGC C016 user manual	GCC	acc.pdf	1.0
Linker for CoolEISC C916 user manual	LD	ld.pdf	1.0
Getting started with Pairspaper ConPECC C816 tools	Getting started C816	Gettingstartedc816 ride7.pdf	11 May 2012
REva user Manua	<u>REva User manual</u>	<u>REva User Guide MB.pdf</u>	3.0
REva part datasheet	<u>REva part datasheet</u>	accelerometer 3D 10807.pdf buzzer ef532 ps.pdf driver lcd 517549T.pdf lcd GVLCM96266.pdf memory i2c 24c02 DS.pdf temp sensor Im35d.pdf	
REva schematic	REVA schematic	<u>REVA_EvalPart.pdf</u>	3.3
Daughter board user Manual	Daughter board User Manual	REva User Guide RDG6819.pdf	1.6
Daughter board schematic	Daughter board schematic	EMRDG6819 MLF32 V1 2.pdf EMRDG6819 MLF32 V2 0.pdf	1.2 2.0
Getting started EM6819 Getting started with Raisonance EM6819 tools	EM6819 Debug Manual	gettingstartedc816_em6819.pdf	30 September 2010
Starter-Kit Getting started sheet	Starter-Kit quick start	Quickstart EM6819 Ride7.pdf	
CoolRISC coding guideline	CoolRISC coding guide	CoolRISC coding guidelines.pdf	1.1
contact county galacine			

RAISONANCE



3. Setting up the Raisonance tools for C816

Before using any of the Raisonance tools for C816, the Ride7 and RKit-C816 software must be installed and registered.

3.1 Downloading the software

The most recent Ride7 and RKit-C816 can be downloaded from the Raisonance extranet website: http://support-raisonance.com/extranet/home/

KE Raisona	Ince Microcontroller tool support site	Connection : Username Go Go Stay connected - Password lost
Home Download		
Home Welcome Create an account Login	Welcome to KEOLABS' Raisonance Support Extranet The Support Extranet ensures optimal support for the Raisonance brand microcontroller tools by providing a secure, interactive portal for managing downloads, requests and problem reporting. Here customers can: • Register their product and user information • Download software/firmware updates and upgrades • Register software products • Submit requests for direct support • Access technical documentation and application notes For support requests, this site provides a status of reported problems and "open" requests including descriptions, solutions/workarounds, date of submission and resolution. For customers with a valid support contract, KEOLABS ensures timely responses in accordance with our relevant "Warranty, Support & Maintenance" policies for Microcontroller Tools (internet Create an account to access these services. To access the KEOLABS Smart Card Testing Platform support extranet, go to support-keolabs.	Raisonance Support Extranet Image: Construction of the second s

First you have to create an account, which is free and only requires a valid email.

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Home Welcome Create an account Login	Signup Username: E-mail: On completion of this form and verification Using the confirmation e-mail, you will be a You must specify a valid e-mail address in a Signup	of your answers, you will be sent a conf ble to activate your account. If you fail order to receive the account confirmatio [Login] [Lost your passwo	"irmation e-mail to the e-mail address you specified. to activate your account within seven days, it will be purged. In e-mail.



EM MICROELECTRONIC

Then go to the Download / Download pages and Rkit-C816.

	KEGLABS Connection : Raisonance Microcontroller tool support site Go
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mload	MCU tools
e	Microcontroller Tool Downloads
	Raisonance software tools allow users to create applications for microcontrollers that implement a range of core architectures (ARM, 8051, ST7/STM8, PowerPC, CoolRISC). Raisonance Extranet downloads offer access to the latest versions of our software. Software Tool Download Pages The download pages below include: • RKit software download for the MCU core family • Associated Ride7 download • Additional instructions and information Note: It is best to install the latest version of Ride7 available in the relevant RKit page in the table below. If you need them, downloads for previous versions of Ride7 are provided here.
	Download pages
	RKit-51 6.16.13.0326 Raisonance Software Tool set for 8051 RKit-ARM 1.54.14.0185 Raisonance Software Tool set for ARM RKit-STM8 2.52.13.0324 Raisonance Software Tool set for STM8 & ST7 RKit-PC 1.20.12.025 Raisonance Software Tool set for STM8 & ST7

Download the two files Ride7 and Rkit-C816 under the Last release section.

Last release			
RKit-C816 1.10.12.0215	2012-08-02 12:15:37	Raisonance Software Tool set for CoolRISC (C816)	
Ride 7.42.12.0305	2012-10-24 15:03:25	Raisonance Integrated Development Environment	

Generates a Serial Key. Use the **Rkit-C816 serial key generator** to create a serial number which will be emailed to you. **Save the key for later**.

RKit-C816 serial key g	generator
Company	
Username * (Give your extranet username or define it)	
Firstname	Lastname
e-mail *	
Confirm your e-mail *	
	Generate and Send Serial key

Now you must install and register the software as explained in the following sections.





3.2 Installing the software

Perform these steps to install your new software:

- 1. Remove old versions of Ride7 and RKits (if any).
- 2. Install the new Ride7 software, then the RKit-C816 software, then validate its operation (test compilation, connection to RLink and to target CPU, etc.).

Note: Some components of RKit-C816 (GCC, ...) will not work correctly if installed in a path containing spaces or other complex characters. Be careful when using Windows Vista and Windows 7, especially the 64-bit versions. These versions use a default install directory named "Program Files (x86)", which contains parentheses and will make the tools fail. To be sure that your tools work correctly we recommend you install the tools in a directory with a short and simple name, such as "c:\Raisonance". In the rest of this document, the installation directory of Ride7 will be referenced as "<RideInstallDir>".

3. Launch **Ride7** and select **Help > License**. Register the software as explained in the following section.

3.3 Registering the software

The Ride7 and RKit-C816 software must be registered to operate correctly.

To activate the software you must register your RKit-C816 using your RKit-C816 Serial Key. Unregistered software functions for a 7-day evaluation period with full features. After 7 days the software can no longer be used. If this occurs, contact info@raisonance.com.

- 1. Log on as admin, ensure you have internet access, a working default browser and a working email address.
- 2. Open Ride7. If it does not open automatically, click Help->About Ride7.
- 3. Click the **Change License** button. Select the **Serial Activation** method, click **Next**.

Serialization Choice	
	(
Select the way you want to activate your RK	t:
Serial Activation	
Select this mode if you have purchased the An Activation Code will be requested and re	RKit and received a Serial Key. gistered via Internet.
Dongle Activation	
Select this option if you have purchased an The Dongle should be inserted in an USB por Your activation code will be transferred thro	USB software protection Dongle. t of your PC. ugh Internet
RLink Activation	
Select this option if you have purchased an Your RLink should be connected to an USB p This will work for some specific RKits (ARM, §	RLink, REva, Primer, Open4 or EvoPrimer. ort of your PC. sTM8, PPC, C816).
	< <u>B</u> ack <u>N</u> ext > Cancel

RAISONANCE



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4. Enter the **Serial Key** provided to you (see 3.1 Downloading the software). Click **Next**.

Serial Numbe	er .			7
RKit Serial Kerinstallation CE	y is a number, either p) or emailed to you wh	rinted on the envelop en you have purchasi	e of your ed the kit.	
Warning: Ent	ering a Serial Key for a	n already activated k	it will reset it.	
Serial Key	I			

- 5. Connect to the internet and click **Get Activation code online** to open your browser on the Raisonance server.
- 6. Fill in the form and click **Generate and Send Activation code**.
- 7. Check your server for an email from Raisonance Support team with the **Activation Code**.
- 8. Copy the Activation Code from the email to the Ride7 window. Click Finish.
- 9. Close Ride7 and open it again. Check in the **About Ride7** window that you are in "Lite Suite" for RKit-C816 and "Standard version" for Ride7. Otherwise please contact the technical support (support@raisonance.com).





This is what the About Ride7 window should look like:

Copyright © 1995-2	011 Raisonance		Change Lice
installed Products: Name	Version	License	Installed On
installed Products: Name Ride7	Version 7.37.12.0065	License Standard version	Installed On 2012/03/15



