

# Micrium

uC-Eval-STM32F107 Example Projects for  $\mu$ C/OS-II and  $\mu$ C/OS-III

## PROJECT INSTRUCTIONS

### PRODUCTS AND VERSIONS REFERENCE

MCU			
Manufacturer	Family	Part Name	Architecture
STMicroelectronics	STM32	STM32F107VC	ARM-Corex-M3
IDE			
IDE Name		Version	
IAR Embedded Workbench for ARM		6.50	
Keil $\mu$ Vision 4		4.60.0.0	
Atollic TrueSTUDIO for ARM Pro		3.3.0	
MICRIUM			
Micrium Product		Version	
$\mu$ C/CPU		1.29.01	
$\mu$ C/LIB		1.37.01	
$\mu$ C/OS-II		2.92.07	
$\mu$ C/OS-III		3.03.01	

## LOADING & RUNNING A PROJECT TO THE BOARD

**[WARNING]:** Make sure to open the project using the mentioned IDE(s) version or later.

### IAR Embedded Workbench

1. Click on [File→Open→Workspace...](#)
2. Navigate to the directory where the workspace is located:  
[\\$\\Micrium\\Software\\EvalBoards\\Micrium\\uC-Eval-STM32F107\\uCOS-III\\IAR\\uCOS-III.eww](#)
  - Same goes for uCOS-II
3. Click [Open](#)
4. For safety, clean the project by clicking on [Project→Clean](#) (if available).
5. Compile the project by clicking on [Project→Make](#). 0 Warnings, 0 Errors.
6. Have the board connected via ST-Link into the board input (CN5) **before** downloading the project to the board.
7. Download the project to the board by clicking on [Project→Download and Debug](#).
8. Run the project by clicking [Debug→Go](#). To stop the project from running click on [Debug→Stop Debugging](#).

### Keil μVision4

1. Click on [Project→Open Project...](#)
2. Navigate to the directory where the workspace is located:  
[\\$\\Micrium\\Software\\EvalBoards\\Micrium\\uC-Eval-STM32F107\\uCOS-III\\KeilMDK\\uCOS-III.uvproj](#)
3. Click [Open](#)
4. For safety, clean the project by clicking on [Project→Clean Target](#).
5. Compile the project by clicking on [Project→Build Target](#). 0 Warnings, 0 Errors.
6. Have the board connected via ST-Link into the board input (CN5) **before** downloading the project to the board.
7. Download the project to the board by clicking on [Debug→Start/Stop Debug Session](#).
8. Run the project by clicking [Debug→Run](#). To stop the project from running click on [Debug→Start/Stop Debug Session](#) again.

### Atollic TrueSTUDIO

1. Click on [File→Import...](#)
2. Select [Existing Projects into Workspace](#)
3. Navigate to the directory where the workspace is located:  
[\\$\\Micrium\\Software\\EvalBoards\\Micrium\\uC-Eval-STM32F107\\uCOS-III\\TrueSTUDIO](#)
  - Same goes for uCOS-II
4. Click [OK](#) then [Finish](#)
5. For safety, clean the project by clicking on [Project→Clean Project](#).
6. Compile the project by clicking on [Project→Build All](#). Project Builds successfully.
7. Have the board connected via ST-Link into the board input (CN5) **before** downloading the project to the board.

8. Download the project to the board by right-clicking inside the project directory and selecting [“Debug as→1 Embedded C/C++ Application”](#).
  - Select the appropriate interface inside the Debugger tab. (If Needed)
9. Run the project by clicking [Run→Resume](#). To stop the project from running click on [Run→Terminate](#).