

M2OS in STM32F4 user's guide

1. Run/debug an example application on the integrated emulator

Open the GNAT IDE (GPS) with the project for basic examples that use the M2OS API directly (they do not use the code transformation tool).

```
$ gps -P examples/api_m2os/examples_api_m2os_stm32f4.gpr &
```

Press the “Run on emulator” or “Debug on emulator” buttons (a long press will allow you to choose the example to build, execute and debug).

Although using the IDE is more convenient, you can also do it manually:

```
$ arm-eabi-gnatemu --board=stm32f4 peridodic_task  
To exit the emulator press `Ctrl-a x`.
```

2. Run/debug an example application on the board

Open the GNAT IDE (GPS) with the project for basic examples that use the M2OS API directly (they do not use the code transformation tool).

```
$ gps -P examples/api_m2os/examples_api_m2os_stm32f4.gpr &
```

In order to launch the example in the STM32F4 board plug the USB wire in the computer and press the “Run on board” or “Debug on board” buttons (a long press will allow you to choose the example to build and launch).

The chosen application will be built and launched on the board.