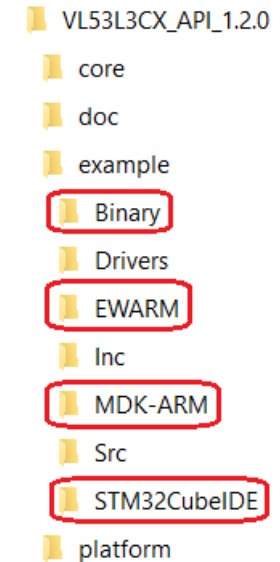




life.augmented

# Getting Started Guide

- HW required: X-NUCLEO-53L3A2, Nucleo F401RE
- SW required: KEIL or IAR or STM32CubeIDE and Tera Term
- Connect the X-NUCLEO-53L3A2 into the Nucleo F401RE
- Connect the F401RE to the laptop with and USB cable
- The example is precompiled for 3 IDEs, and a pre- built FW is available at “Binary ” sub-folder.
- To run the example drag and drop the binary file into the F401RE drive to flash the Nucleo F401RE
- Or open the example project with a favorite IDE, compile, build and run the example



The ranging result are print out on a serial terminal

Two objects detected

One near object at 247 mm

One far object at 1554 mm

```
Count= 217, #0bjs=2 status=0, D= 247mm, Signal=0.12 Mcps, Ambient=0.14 Mcps
Count= 218, #0bjs=2 status=0, D= 1554mm, Signal=0.53 Mcps, Ambient=0.14 Mcps
Count= 219, #0bjs=2 status=0, D= 240mm, Signal=0.13 Mcps, Ambient=0.15 Mcps
Count= 220, #0bjs=2 status=0, D= 1556mm, Signal=0.55 Mcps, Ambient=0.15 Mcps
Count= 221, #0bjs=2 status=0, D= 245mm, Signal=0.13 Mcps, Ambient=0.15 Mcps
Count= 222, #0bjs=2 status=0, D= 1555mm, Signal=0.52 Mcps, Ambient=0.15 Mcps
Count= 223, #0bjs=2 status=0, D= 232mm, Signal=0.16 Mcps, Ambient=0.14 Mcps
Count= 224, #0bjs=2 status=0, D= 1554mm, Signal=0.56 Mcps, Ambient=0.14 Mcps
```

Tera Term can be used, select 115200 baud rate

