QUICK-STARTING-GUIDE-WITH-ROKIX-DEVELOPMENT-KIT-WITH-KX134-EVAL-BOARD

This guide shows how to connect devices using the *RoKiX Development Kit* and how to monitor the data output using the *RoKiX Windows GUI*.

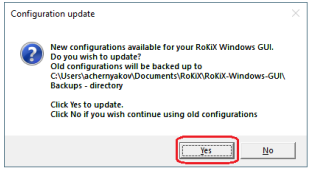
✓ **STEP 1**: Download and Install the latest release of the *RoKiX Windows GUI* following this link:

https://github.com/RohmSemiconductor/RoKiX-IoT-Platform/releases/latest

- Note: After installation, the shortcuts to the *RoKiX Windows GUI* and to the *RoKiX IoT Platform Users Guide* can be found on the desktop, in the Windows Start menu under *RoKiX* folder, and in the installation directory:

  \Documents\RoKiX

✓ **STEP 2**: Start *RoKiX Windows GUI*. If *Configuration update* pop-up window is shown, click **Yes** to download the latest configurations from the server.



✓ **STEP 3:** (Optional) The *CY8CKIT-059 PSoC® 5LP Prototyping Kit* comes preloaded with the custom *RoKiX-CY8CKIT-059 firmware* when purchased as part of the *RoKiX Development Kit*. The latest version of the firmware can be found in the installation directory:

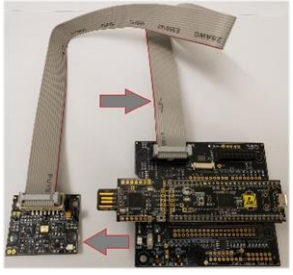
\Documents\RoKiX\RoKiX-Firmware\Cypress-PSoC

or on GitHub:

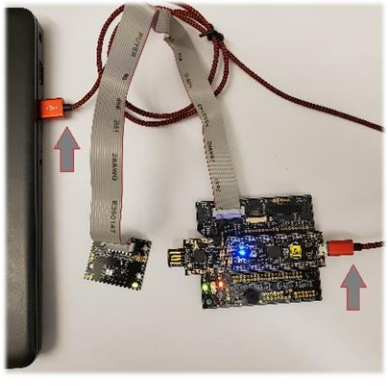
https://github.com/RohmSemiconductor/RoKiX-IoT-Platform/tree/master/RoKiX-Firmware/Cypress-PSoC

- Note: The guide for programming the *RoKiX-CY8CKIT-059 firmware* to the *Cypress CY8CKIT-059 PSoC® 5LP Prototyping Kit* can be found in the section 3.1.4 of the *RoKiX Development Kit User Guide*.

✓ **STEP 4:** Connect the KX134-1211 evaluation board to the RoKiX Adapter Board A3 directly to the 18-pin header J6 or using the provided ribbon cable.



✓ **STEP 5:** Connect the CY8CKIT-059 to the PC using the provided micro-USB cable to establish the connection with *RoKiX Windows GUI*.



- Note: With Windows 10, the operating system should automatically use the correct driver. For earlier Windows versions, please follow the driver installation procedure in section 3.1.3 of the *RoKiX Development Kit User Guide*.

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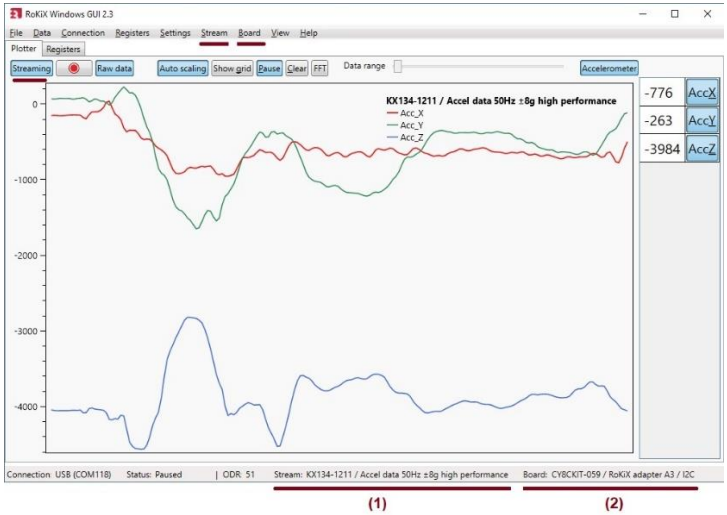
✓ **STEP 6**: Start the *RoKiX Windows GUI* software and adjust your settings as follows to get the device connected:

(1) Select the board configuration from the *Board* menu:
CY8CKIT-059 / RoKiX adapter A3 / I2C

(2) Select the desired configuration stream for the corresponding accelerometer sensor from the *Stream* menu: e.g.:
KX134-1211 / Accel data 50Hz ±8g high performance

If the settings are adjusted properly, data streaming should start automatically, and the on-screen output should display real time output for X, Y, and Z axes of KX134-1211 sensor.



✓ **STEP 7:** For additional details about the *RoKiX Development Kit*, please see *RoKiX Development Kit User Guide*.

RoKiX Development Kit

RoKiX Development Kit Contents:

1. RoKiX Adapter Board A3
   P/N: *RKX-MPIF-1-ADBA30*
2. Cypress PSoC® 5LP Prototyping Kit
   P/N: *CY8CKIT-059*
3. KX134-1211 RoKiX Digital Evaluation Board
   P/N: *KX134-1211-EVB110*
4. Micro-USB cable (3.3' / 1M)
5. 14-position ribbon cable (1.5' / 457.20mm)
6. Quick Start Guide (this document)

www.kionix.com/developer-tools