



# Release Notes

## CY8CKIT-048 PSoC® Analog Coprocessor Pioneer Kit

Release Date: May 26, 2017

Thank you for your interest in the CY8CKIT-048 PSoC® Analog Coprocessor Pioneer Kit. This document lists kit contents, installation requirements, kit documentation, limitations and known issues.

### Kit Contents

The CY8CKIT-048 PSoC Analog Coprocessor Pioneer Kit includes the following:

- PSoC Analog Coprocessor Pioneer board
- USB Standard-A to Mini-B cable
- Four jumper wires (4 inches each)
- Five connectors (one 10x1, two 8x1, one 6x1, and one 4x1)
- One metal disk
- Quick Start Guide

### Software and Tools

The code examples shipped with this kit require PSoC Creator™ 3.3 Component Pack 3 (CP3) or later. This is available with the kit installer or on the PSoC Creator webpage ([www.cypress.com/psoccreator](http://www.cypress.com/psoccreator)).

PSoC Programmer 3.24.2 or later and KitProg2 v1.01 or later are required to program the PSoC Analog Coprocessor device on the PSoC Analog Coprocessor Pioneer Kit. PSoC Creator installation or the kit installation automatically installs PSoC Programmer and KitProg2 drivers.

### Code Examples and Kit Collateral

The CY8CKIT-048 PSoC Analog Coprocessor Pioneer Kit webpage ([www.cypress.com/CY8CKIT-048](http://www.cypress.com/CY8CKIT-048)) includes the kit installation packages, DVD image (ISO), and setup files (EXE) to install the code examples, documents, and hardware files of this kit.

### Installation

Installation instructions are provided in the CY8CKIT-048 PSoC Analog Coprocessor Pioneer Kit User Guide, which is available at [www.cypress.com/CY8CKIT-048](http://www.cypress.com/CY8CKIT-048).

### Kit Revision

This is Rev. \*\* version of the CY8CKIT-048 PSoC Analog Coprocessor Pioneer Kit. The code examples shipped with the kit are developed using PSoC Creator 3.3 CP3.



## Limitations and Known Issues

The following are limitations and known issues in this revision of the PSoC Analog Coprocessor Pioneer Kit.

- **Issue:** If the user accidentally shorts the USB supply (VBUS) with ground, for some USB ports you may see a "Power Surge on Hub Port" message on the PC.  
**Workaround:** Not available
- **Issue:** The kit does not have the feature to independently monitor power consumption (analog/digital) of the PSoC Analog Coprocessor from PSoC Programmer.  
**Workaround:** This feature will be added in the next revision of the kit. Refer to the **Power System** section in the Kit Guide to measure the PSoC Analog Coprocessor current consumption.
- **Issue:** The kit does not have the feature of programmatic power supply control from PSoC Programmer; that is, if the position of the VDD selection jumper (J9) is at the VARIABLE voltage setting (2–4 shorted), the power supply to the PSoC Analog Coprocessor cannot be varied from PSoC Programmer.  
**Workaround:** Power the kit with a fixed supply of 1.8 V/3.3 V/5 V using the VDD selection jumper (J9). Refer to the **Power System** section in the Kit Guide for more details.
- **Issue:** When CY8CKIT-037 is used as a shield on CY8CKIT-048, one of the PSoC Analog Coprocessor GPIOs (P2[6]) may get damaged by the power pin present on the shield header of CY8CKIT-037.  
**Workaround:** CY8CKIT-037 should not be used as a shield on the CY8CKIT-048 Kit.
- **Issue:** The onboard RGB LED requires a supply voltage of 3.3 V or greater to function correctly. Using the kit at any voltage lower than 3.2 V will affect the RGB LED operation.  
**Workaround:** Not available
- **Issue:** The USB-UART communication with the terminal software fails occasionally. The UART data sent from the PSoC Analog Coprocessor is not received in the terminal program due to a glitch in the KitProg2 firmware. This issue is specific to the KitProg2 v1.01 firmware and will be resolved in future updates to the firmware (delivered with the PSoC Programmer release).  
**Workaround:** After programming the device, do a power cycle of the kit (disconnect the kit from the PC and reconnect it) and then reestablish the communication from the terminal software.

For limitations and known issues with the PSoC Analog Coprocessor silicon, refer to the [PSoC Analog Coprocessor datasheet](#).



## Documentation

The kit documents are located in the `Documentation` folder in the installation directory. The default location for the kit documents is:

```
<Install_Directory>\CY8CKIT-048 PSoC Analog Coprocessor Pioneer Kit\<version>\Documentation
```

Documents include:

- *CY8CKIT-048\_Kit\_Guide.pdf*
- *CY8CKIT-048\_Quick\_Start\_Guide.pdf*
- *CY8CKIT-048\_Release\_Notes.pdf*
- *KitProg2\_User\_Guide.pdf*

After opening PSoC Creator, on the Start Page, select **Examples and Kits > Kits > CY8CKIT-048** for links to the kit documentation on the right panel. Expand **CY8CKIT-048** for kit code examples. General PSoC Creator documentation is available in **Help > Documentation**.

The default location for PSoC Creator documents is:

```
<Install_Directory>\PSoC Creator\<version>\PSoC Creator\documentation
```

The default location for PSoC Programmer documents is:

```
<Install_Directory>\Programmer\Documents
```

## Technical Support

For assistance, go to [www.cypress.com/support](http://www.cypress.com/support) or contact our customer support at +1 (800) 541-4736 Ext. 2 (in the USA), or +1 (408) 943-2600 Ext. 2 (International).

## Additional Information

- For more information about PSoC Creator functionality and releases, visit the PSoC Creator webpage: [www.cypress.com/psoccreator](http://www.cypress.com/psoccreator)
- For more information about PSoC Programmer and supported hardware, visit the PSoC Programmer webpage: [www.cypress.com/psocprogrammer](http://www.cypress.com/psocprogrammer)
- For a list of trainings on PSoC Creator, visit [www.cypress.com/go/creatorstart/creatortraining](http://www.cypress.com/go/creatorstart/creatortraining)



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