

DA9062 / i.MX 7 Demonstration Kit

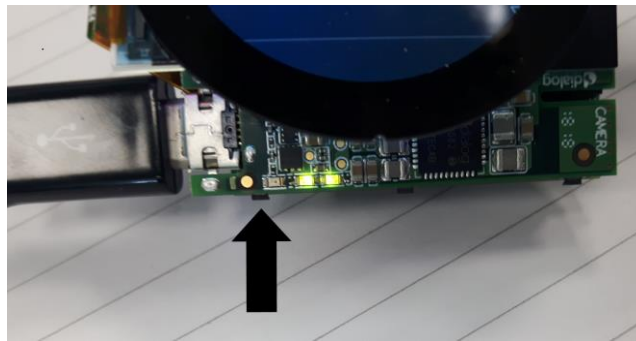
Dear Customer,

Thank you for evaluating the Dialog DA9062 / i.MX 7 Demonstration Kit. This kit showcases the Dialog DA9062 reference design for the i.MX 7 family of processors.

Quick Start Instructions

To start the board:

1. Connect the micro-USB cable on the top board (The 'CPU Board') to a USB port or a 5.0 V supply. You might find that this cable has already been connected. **Important:** be careful not to disturb or damage the LCD screen cable when inserting the micro-USB plug.
2. Turn on the supply. Both green LEDs should now be lit.
3. Press the small button nearest to the USB cable as shown in the figure below. Hold the button for approximately 1.5 seconds.



4. When the button is released, the system should boot. The Android home-screen should be displayed after a short while. This might take 2-3 minutes.

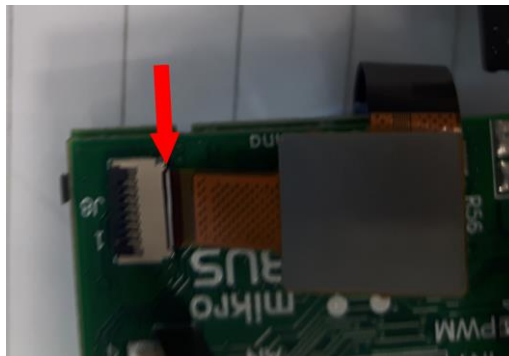
Optional

For a debug port:

5. Before starting the system, connect the second USB cable (on the lower 'IO Board') to a PC USB port. This will create two COM ports.
6. Open a terminal program such as PuTTY or uCon. Connect to the *lowest* of the two new COM ports. 115.2 kbits/s, 8 bits, parity = none, Stop bits = 1.
7. An OS root prompt can then be obtained by pressing ENTER.

Trouble-Shooting

1. Green LEDs are not lit: Please check the 5.0 V USB supply.
2. LEDs are lit but there is no LCD display:
 - a. Check that the top and bottom boards are correctly mated.
 - b. Check that the two LCD cables are both correctly connected. The two connectors on the rear of the PCB should be fully inserted and quite straight, as shown in the figure below.



- c. The two DIP switches should not be changed from their default positions: Switch #1 = ON; Switch #2 = OFF.

Further Information

Application notes, board design source files (schematic and PCB layout) and OS binary / patch files are available at <https://www.dialog-semiconductor.com/power-solutions-nxpr-imx-application-processor-family/imx7s> .

If you have any questions about using this demonstration kit, then please contact your Field Applications Engineer or contact us via the Dialog Support Site, <http://www.dialog-semiconductor.com/support>.

Yours Sincerely,

Dialog Applications Engineering Team

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Contacting Dialog Semiconductor

United Kingdom (Headquarters)

Dialog Semiconductor (UK) LTD
Phone: +44 1793 757700

Germany

Dialog Semiconductor GmbH
Phone: +49 7021 805-0

The Netherlands

Dialog Semiconductor B.V.
Phone: +31 73 640 8822

Email:

enquiry@diasemi.com

North America

Dialog Semiconductor Inc.
Phone: +1 408 845 8500

Japan

Dialog Semiconductor K. K.
Phone: +81 3 5425 4567

Taiwan

Dialog Semiconductor Taiwan
Phone: +886 281 786 222

Web site:

www.dialog-semiconductor.com

Singapore

Dialog Semiconductor Singapore
Phone: +65 64 8499 29

Hong Kong

Dialog Semiconductor Hong Kong
Phone: +852 3769 5200

Korea

Dialog Semiconductor Korea
Phone: +82 2 3469 8200

China (Shenzhen)

Dialog Semiconductor China
Phone: +86 755 2981 3669

China (Shanghai)

Dialog Semiconductor China
Phone: +86 21 5424 9058