One Technology Way · P.O. Box 9106 · Norwood, MA 02062-9106 · Tel: 781.329.4700 · Fax: 781.461.3113 · www.analog.com

AD-FMCMOTCON1-EBZ Linux on Zynq Quick Start Guide

This guide provides some quick instructions (still takes awhile to download, and set things up) on how to setup the AD-FMCMOTCON1-EBZ on either:

- ZED Board, Rev C or later

Requirements

- You need a Host PC (Windows or Linux).
- You need a SD card writer connected to above PC (Supported USB SD readers/writers are OK).
- USB keyboard/mouse for the Zynq Device
- HDMI Display (monitor or TV)

Creating the SD Card

Create SD Image for Zynq Boards

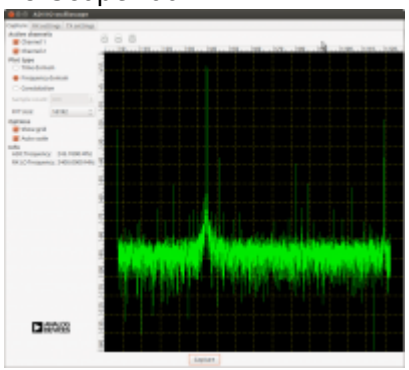
Adding the AD-FMCMOTCON1-EBZ bootfiles

On the boot partition on the SD card, the **boot.bin** and **devicetree.dtb** specific to the motor control project must be copied. They can be downloaded from:
Boot files for ZED board

Connecting the hardware together

Instruction regarding the hardware connection can be found at:
Hardware connection user guide ZED board

Booting the SD Card

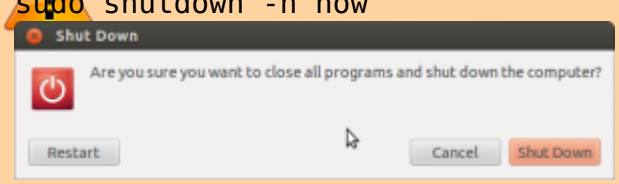
1. ignore your PC, and now interact on the USB mouse/keyboard on the Zynq device
2. You should see two screens:
   1. firefox:
      
      1. Learn more about the network interface.
   2. IIO Scope tool:
      
      1. Learn more about the IIO Scope.
3. You are now done with booting from the SD card. You can interact with the GUI either over the network, or with the HDMI monitor/USB keyboard mouse.

Using IIO SCOPE for AD-FMCMOTCON1-EBZ

Software user guide

Even thought this is Linux, this is a persistent file system. Care should be taken not to corrupt the file system -- please shut down things, don't just turn off the power switch. Depending on your monitor, the standard power off could be hiding. You can do this from the terminal as well with:

```
sudo shutdown -h now
```



© Analog Devices, Inc. All rights reserved. Trademarks and registered trademarks are the property of their respective owners.



www.analog.com