

Procedure

A Guide to Programming the FPGA on the CDC MC MADI



Description

A guide to programming the FPGA on a CDC MC MADI via the Ethernet Port

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Introduction

This document also contains the instructions on how, when required, to upgrade the FPGA on the CDC MC MADI via the Ethernet port on the front panel of the CDC MC MADI.

Cadac FTP details

You will need to access the Cadac FTP to download the relevant files to update the CDC MC MADI:

FTP site: <ftp://www.cadac-sound.com/>

FTP login details:

Login: *customer*

Password: *cadac1968*

Download the FPGA Files

To update the FPGA you will need to download the latest rbf files from the Cadac FTP site on your PC from:

MC MADI

FWM-19124 MADI FPGA

MComms_MADI_FPGA_***_A****



Process for Programming the FPGA on the CDC MC MADI

To programme the FPGA on the CDC MC MADI you will require:

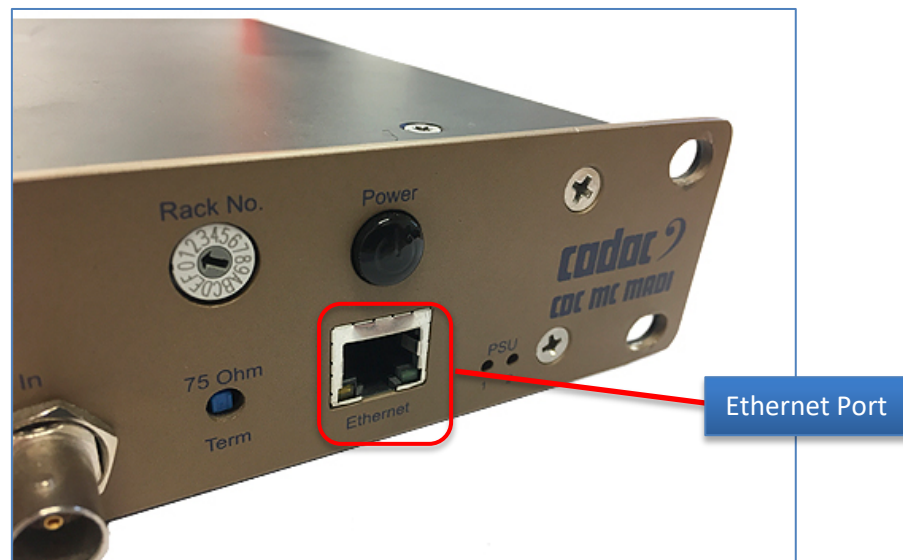
- A PC / laptop with a web browser (this procedure will not work with a Mac)
- Ethernet cable (Cat5 or Cat6)

Process for Reprogramming

- Set the network card on the PC to **IP address 169.254.1.2** and the **subnet mask to 255.255.0.0**.
- Power cycle the CDC MC MADI

Power off - wait 5 seconds - power on

- Connect the PC to the CDC MC MADI unit via the Ethernet cable using the Ethernet port located on the CDC MC MADI's front panel:



- Start the web browser on the PC and type **MCOMMS_MADI/mpfsupload** into the address bar and press **Enter**

*To find the CDC MC MADI's current FPGA version type **MCOMMS_MADI** into the address bar and press **Enter***



- When the page loads you should see **MPFS Image Upload** plus a **Choose File** and **Upload** button
- Select **Choose File** and a file browser window should appear
- Browse to and open the **MComms_MADI_FPGA_*****_A**.bin** file
- Select **Upload** on the web page

*Wait for up to 60 - 90 seconds and **Upload successful** will appear on the page*

- Programming the FPGA is complete

Process For When the FPGA Has Been Programmed

- Power cycle the CDC MC MADI

Power off - wait 5 seconds - power on

- Wait 8-10 seconds and LEDs should illuminate on the front of the unit
- The CDC MC MADI is now fully programmed

