Thank you for purchasing the DECromancer MFM Emulator!

Please read this important information before using your new device.

- The emulator **must be powered from the 4-pin Molex power connector when in use**.

- Connectivity to the emulator is possible via the Ethernet port (DHCP), or via USB "Gadget" Ethernet support on the mini-USB port. Via mini-USB, a Linux PC will see the device at 192.168.7.2 or 192.168.7.3; set your host as 192.168.7.1. For mini-USB port access via macOS and Windows 10/11, machines may require manually installing the "older board" drivers from: `https://beagleboard.org/getting-started#troubleshooting`

- **The login is `root` with no password.**

- The MFM Emulator now ships with **a free 4GB microSD card**. This card is mounted by default at `/mnt`. We recommend placing any drive images you wish to emulate on this card, to prevent eMMC wearout. If you substitute a different card, it must have a single FAT partition and be labelled `MFMEMULATOR` for the auto-mount to work correctly.

- Your cape has been shipped with the supercapacitors discharged and shorted for safety. Before using the device, be sure to move the `CAPS` jumper from `DRAIN` to `FILL`. This gives the BeagleBone about 1 minute to shut down gracefully at power-off.

- The USB port provides limited power and is intended for "thumb" flash drive connection. The following devices have been tested for functionality only when connected via an externally powered USB hub:

  - Amazon Basics USB 3.0 to 10/100/1000 Gigabit Ethernet Adapter
  - Cable Matters USB 2.0/3.0 Ethernet /RJ45 Adapter Model No. 202023

- The images pre-loaded onto the BBB have David Gesswein's base image. Our website has instructions on how to re-flash your BeagleBone if necessary.

- The easiest way to keep your image up to date is to use **git** to clone the latest code to the `/root` directory if desired. The latest code is always available at `https://github.com/dgesswein/mfm`.

Keep those old machines running!

— The DECromancer