

Application Note: Downloading Firmware

SUMMARY

This application note describes the procedure to download new firmware into the signal processing board.

REQUIRED

- Firmware from <https://free-e-target.com/downloads/>
- freETarget PC software

INTRODUCTION

The freETarget signal processor is designed to be upgraded using the PC program. Loading new firmware into the board will not damage the board, but may disable certain features until the correct version of software had been returned.

PREPARATION

- Obtain the correct version of firmware from <https://free-e-target.com/downloads/> as shown in Figure 1,

Arduino Firmware

Intel hex file containing the latest released firmware. Use the PC program to download

FreETarget V3.00.0

(Beta)

Download

Figure 1: free-e-target.com Download Example

- Save the firmware onto your PC.

INSTRUCTIONS

- Launch the freeETarget program.
- In the upper right, select the download icon as shown in Figure 2.



Figure 2: Download Icon

- The Upload Firmware dialog box will appear as illustrated in Figure 3. Example shown from a Mac, your PC will differ

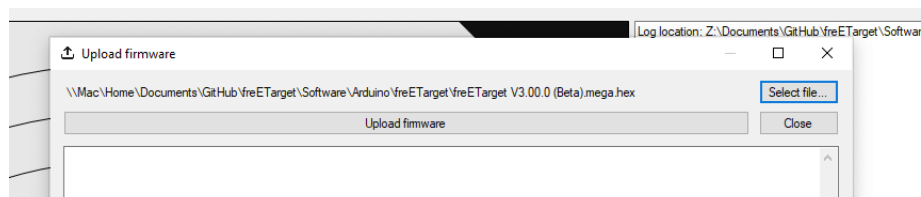


Figure 3: Upload Firmware Dialog Box

- Select the firmware version you saved in the Preparation Section.
- Press **Upload Firmware**
- Wait for the upload to complete as shown in Figure 4.

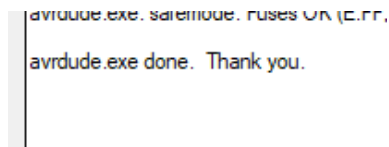


Figure 4: Upload Successful

- Exit out of the firmware download dialog and continue on as a regular shooting session.

TROUBLE SHOOTING

Downloading the wrong firmware to the board or some other issue will not damage the board, however it will prevent it from operating. When this happens:

- Ensure that you have software from the web site.
- Verify that the firmware is intended for your version of the board.
- Restart the update process from the start.
- Make sure that you have selected the correct image at the correct location.
- Upload the firmware again.