

# **CFBedit User's Manual**

by

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## **Introduction:**

This following manual is for a CFBedit edit program that is to be used in conjunction with Biomech program. This program is a unique program that allows the user to edit a control file (.CFB) from Biomech for windows under various different parameters. The following manual will explain how to install the program, Why you should and when to run CFBedit and how to use it.

## **Installation:**

CFBedit is easily installed onto your computer. This is done by simply coping the CFB files (including this manual) into the same directory as the "Biomech" program. It is important that the two programs are in the same directory to ensure proper program operation.

## **Why you should use CFBedit:**

CFBedit is a unique program that gives you, the user, freedom to edit the control files used by Biomech for digital analysis of captured video files. This program allows you to take an existing .cfb file and alter the necessary parameters to satisfy your present experimental needs. For example, the trial name or the trial code can be changed, or the subject data can be changed. A number of parameters can be change using this program (see How to use CFBedit for further details of what this program can do). CFBedit allows the user to edit these existing programs with ease, removing much of the hassle of editing the file by adding spaces and characters of the old method.

## **When to use CFBedit:**

This program is the first step of the Biomech protocol. Before any analysis of the data can be performed the CFBedit program must first be utilized to alter the control file in the necessary manner to suit the users needs. After the changes are implimented the .cfb file is then saved (as a .cf\$ file and ready for use in the analysis of captured video data.

## **How to use CFBedit:**

To start up CfBedit click the CFBedit icon (or depending on your version of Biomech, select it from the edit menu). The first thing that must be done is select a trial to be edited. If a procedure is done with no trial selected the program will as you to do so. After selecting a trail, click the "Reread" button and the file information will come on to the screen (if a .cfb file is selected the process is automatic). The next step depends on what it is that has brought you to use the CFBedit program. The following parameters can be edited using this program:

**Under the change menu:**

- you can change the anthropometry to suit your needs
- change the markers and filtering
- view and change various options that coincide with your model
- view and change the names of relative angles in your model
- view and change the names of the segments in your model

**Under the name menu:**

- you can view all of the names or
- the segment names
- the joint names
- the marker names
- the relative angle names
- the limb names for your model

**Under the subject menu:**

- change the height of the subject
- change the any segment length for your model
- change the body mass
- change the body weight

**Under the trial information:**

- change the cycle info
- change the trial code
- change the object weight
- change the sampling rate
- change the trial title

All of these parameters or any of these parameter can be altered to adjust your model to meet the requirements of the project. When all of the changes are implemented to the model that need to be done, the “save” button must be pressed to save the changes to the model. The changes are saved in the file name that you create (it is given a .CF\$ extension). This file should be saved in the same directory as the digitized files that will be worked with. After the file is saved the user is prompted to say “the file, you trial name, has been saved”. Press “OK”. This is the end of the changes that will be made to this file. If other files are to be edited then select another file and follow the same procedures to modify your model to meet your requirements. If no other files are to be edited then hit “exit” and return to the Biomech program to continue your analysis.