

MFAsT Operating Instructions

What is the MFAsT?

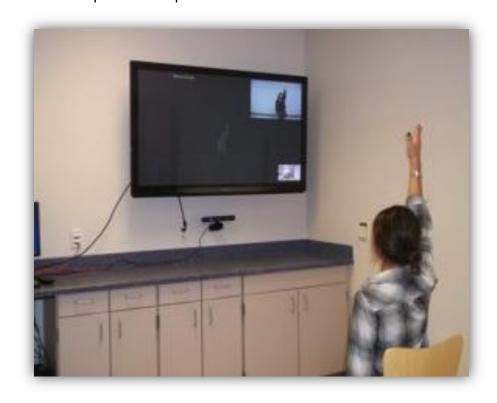
The MFAsT (Motion & Function Assessment Tool) combines Microsoft Kinect camera with proprietary software designed to reduce range-of-motion assessments (goniometry) from an average of 25 minutes to 2 minutes. For technical support for the MFAsT system, please contact Mandeep Brahmbhatt at Mandeep@5plustherapy.com or (714) 922-0626.

What's included with the MFAsT system?

- Microsoft Kinect Camera
- Samsung Laptop
- Power adapter for the laptop
- 27" LCD TV
- TV stand

Pre-Assessment

The patient should be seated or standing approximately 5-8 feet away from the Kinect camera or as necessary to fit entirely in the frame of the camera's view. The "Test" feature on the MFAsT user interface will allow you to calibrate the distance of the patient for optimal assessment results.



Powering Up

- 1. The power button is located at the top left corner of the keyboard. Be sure to keep the laptop plugged into a power source when in use.
- 2. When the computer powers up, you will be shown a log-in screen with the 5plus logo. Click on the logo and enter the following:
 - Username: PTsite1
 - Password: betasite1
- 3. Once you've entered the username and password, the Windows 8 operating system will load. Please give the computer 1-3 minutes to complete loading all necessary applications.



Loading the MFAsT Application

- 1. Locate and double-click the MFAsT icon on the desktop.
- 2. The MFAsT application window will open and you will see the following user interface.

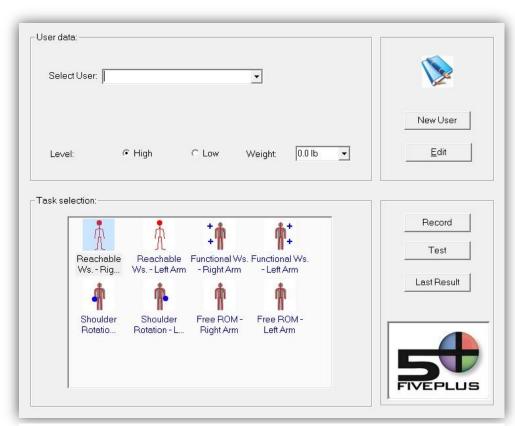


Figure 1

Running an Assessment

1. Enter new user information into the MFAsT database by selecting "New User," either by clicking the New User button on the right, or by clicking the "Add" option from the <u>U</u>ser drop down menu.

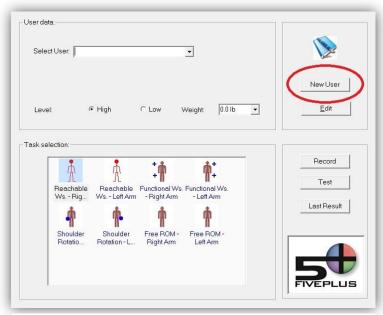


Figure 2

2. For each user, you will be asked to provide name, age, sex, height and weight. Record any additional comments in the "Notes" section. (Filling in all fields is not required, but will ensure more accurate feedback.)

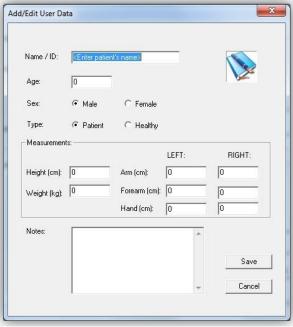


Figure 3

- 3. Once user data is entered, click "Save." You will return to your main screen where you can now select the user from the drop-down menu.
- 4. Select the desired assessment from the "Task Selection" section. (When selected, a shaded box outline will appear around the task.)



Figure 4

- 5. To the right of the "Task Selection" box, you will see three action buttons:
 - a. **Record** This will run an actual assessment with all movements being captured, recorded, and converted to data.

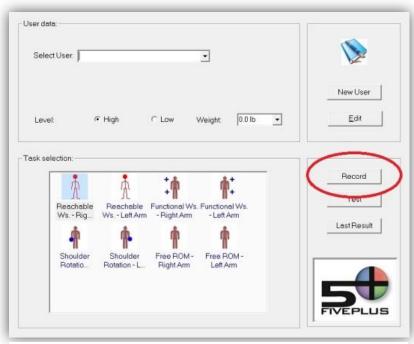


Figure 5

b. **Test** – This selection will run the simulation without collecting data, allowing you to calibrate seating/standing distance as well as audio and video levels.

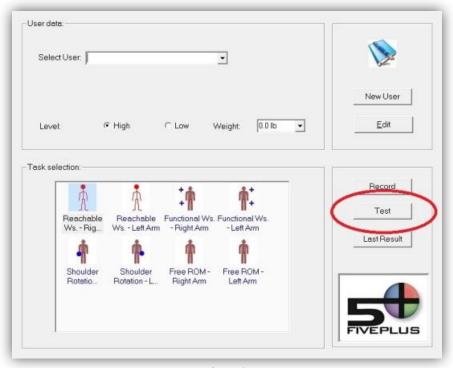


Figure 6

c. **Last Results** – This selection will output the visual data of the most recent assessment that was run.

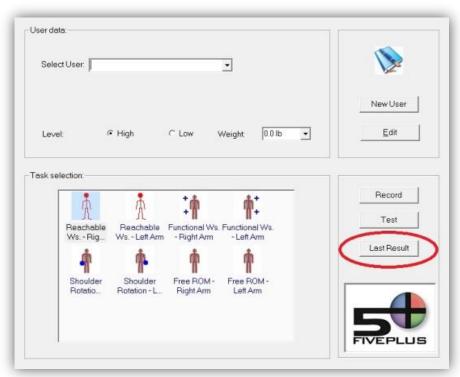


Figure 7

Loading previous records

- 1. Using the "Select User" drop-down menu, select the user whose data you wish to view.
- 2. From the "Task Selection" box, select the type of assessment you wish to view from the lower middle portion of the application interface. (See Figure 4 for reference.)
- 3. Click on the User menu (drop-down) and select the "Results" option at the bottom of the menu list.
- 4. A pop-up window will open with the user data graphically displayed.

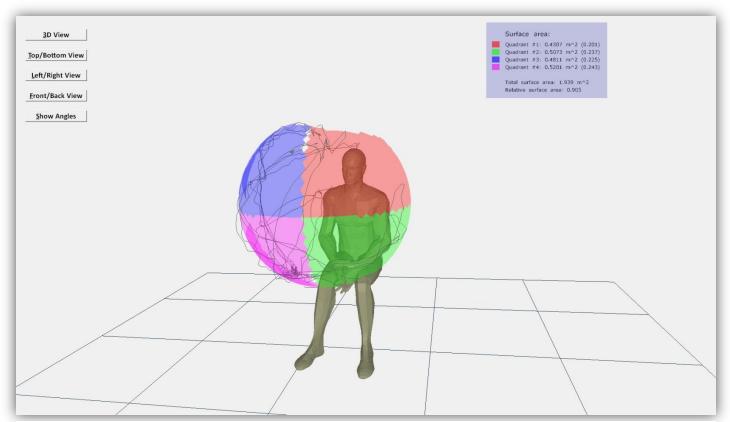


Figure 8

- 5. For greater detail, maximize the results screen by clicking on the screen maximization button located on the left of the red "X" button on the upper right corner of the window.
- 6. To leave the results screen, click on the "X" button or use the "Esc" button on the keyboard.
- 7. Once you exit the results window, you can exit the MFAsT interface by clicking on the "X" button use the "Esc" button on the keyboard.