



Innovators in Biomechanical Analysis

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**WELCOME TO KADA MEDICAL
INSTRUMENTS' QUICKSET.
TO GET STARTED
CHECK THIS FIRST**

FAST™ UNIT COMPONENTS

The FAST™ hand screening system consists of the following components:

- A. FAST™ Unit
- B. Power cord
- C. Handset
- D. Handset cable
- E. Serial cable
- F. KMI Software packet (not pictured)



Required: (Not provided by KMI)

- Operable computer, PII, Windows 98 or greater and a serial port.
- Internet access (LAN or modem connection required).
- UPS/Surge suppressor.

STEP 1

Load software

- Insert KMI software CD into the computer's CD Drive.
- Program auto loads.
- The following folders should have been added to your computer's "C" drive: "KaDaLink" and "KD2000"
- The following icons should be on your desktop: "KaDaLink" and "KD2000"

STEP 2

Connect Cables

(Make sure the power is off to the UPS/Surge suppressor.)

1. Connect the power cord (B) to the FAST™ Unit (A) and the UPS/Surge suppressor.
2. Connect serial cable (E) to the FAST™ Unit (A) and the computer.
3. Connect handset cable (D) to the handset (C) and the FAST™ Unit (A)



STEP 3

Power-up Unit

- The FAST™ Unit with all cabling, needs to be connected before proceeding with this step.
- First. Turn the power on at the UPS/Surge suppressor.
- FAST™ Unit will automatically power up.
- Second, turn the computer on, after the FAST™ Unit powers up.

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STEP 4

Test Connections

- The computer needs to be turned on and operating in Windows to complete this step.
- Double click the "KD2000" icon on the desktop.
- Enter your password and click "enter".
- Next screen, click on "Handset Comm Check".
- Next screen, click "Initialize serial port".
- Next screen, click "test KaDance Comm" — response should be "The KaDance2000 handset is initialized and communicating properly".
- Click "Return to Main Menu".

STEP 5

Click to Test

- The computer needs to be turned on and operating in Windows to complete this step.
- Double click the "KD2000" icon on the desktop.
- Enter your password and click "enter".
- Review the "requestor information" to ensure the basic information for your test center is correct
- Your system is now ready to test.

STEP 6

Click to Connect

- The computer needs to be turned on, operating in Windows and connected to the internet (via LAN or modem) to complete this step.
- Double click the "KaDaLink" icon on the desktop (The KaDaLink icon should now appear on the menu bar).
- The unit is now ready to send data. Data will be automatically sent every ten minutes or can be sent by the administrator.

STEP A

Start-up

- The computer needs to be turned on and operating in Windows to complete the test.
- Double click on the "KD2000" icon on your desktop.
- Enter your password and click "enter".
- Next screen — click "run test".
- Review the "requestor Information" to ensure the information for your test center is correct.
- You are now ready to enter the data required for "subject Information".

STEP D

Brief Test Subject

Explain the test protocols.

- Test consists of four, one minute sub-tests: 2 with the right hand and 2 with the left.
- Each sub-test consists of 20 repetitions: 2 second squeeze and 1 second release — instruction will be on the computer monitor.
- Keep testing fore arm horizontal to the floor and away from the body (do not rest the arm on anything).
- Hold the handset with the Thumb, index and little finger and keep the pigtail (cable) down (do not hold the cable).
- Squeeze should be firm, but need not be maximal effort.
- Have the subject try a couple test squeezes.

Advise the subject that the next screen will begin this test.

STEP H

Send Data

- All data collected for analysis are stored in the "RdyToSnd" folder in the "KaDaLink" folder.
- As long as you are connected to the internet, the data will automatically be transmitted to the KaDaLink servers.

STEP B

Subject Information

- Enter your 6-12 alpha/numeric test control number.
- Complete the subject data.
- Click "proceed with test". You are now ready to complete the questionnaire.

STEP E

Begin Test

- Click "perform test"
- Encourage the subject to establish a steady rhythm.



STEP G

End Test

- After the last sub-test, the unit will run a self-check and provide a "congratulatory screen will confirm completion of the test.
- Click the "okay" button.
- Next screen—additional comments may be appended in the space provided.
- Click "test complete"
- Next screen—you may continue to test other subjects or terminate the session. To terminate click "exit".

STEP C

Complete Questionnaire*

On the next screen, complete the questionnaire:

- All items in "Activity Information" need an entry.
- All other groups are completed, as appropriate.
- Enter any additional information to be included with the test results and click "survey complete".

* The questionnaire can be bypassed by clicking "bypass survey".

STEP F

Monitor Test

Check to ensure subject is holding the handset properly.

- Middle and ring fingers off the handset and not touching index or little finger.
- Fore arm horizontal and not touching or resting on anything.
- Other hand free from contact with any part of the test equipment.
- Pigtail must be down and the hand should be in a neutral position.

Sub-test ends automatically. Subject may rest until unit is ready for the next sub-test (about 5 seconds).

Unit will confirm that valid sub-test data has been collected and re-queue the unit for the next sub-test.

Click "perform test" to begin each of the four sub-tests.

The four sub-tests are always administered right hand, right hand, left hand, left hand.

STEP I

Retrieve Results

- Within 24 hours of the time the data was sent to the KaDaLink Servers for analysis, the results will be available on your secure web site.

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