Adjustable Arm Subject’s Chair
Wired with Activity Sensors

Setup and User’s Manual
Adjustable Arm Subject’s Chair Wired with Activity Sensors

Included Parts

A. 5/16”-18 Heavy Hex Nut
B. 3/8”-16 Hex Nut
C. 1/2” Split Lock Washer
D. 5/16” Split Lock Washer
E. 1/4”-20 x 3/4” Socket Head Cap Screw
F. 1/4”-20 x 1/4” Button Head Socket Cap Screw
G. 3/8” Shoulder x 3” Long, 5/16”-18 Thread
H. 3/8” Shoulder x 1-1/2” Long, 5/16”Thread
I. 1/2” Shoulder x 1-1/2” Long, 3/8”-16 Thread
J. 1/4” Diameter x 2” Clevis and Cotter Pin
P. 1-3/4” Knob, 1/4”-20 x 1/2” Stud

Included Tools

9/16” Wrench
3/16” Hex Key
1/4” Hex Key
5/32” Hex Key
Step 1
Required Parts/Tools:
Part E: qty 4
3/16" Hex Key

A. Attach the angles to the seat as shown. Do not tighten completely.

Step 2
Required Parts/Tools:
Part B: qty 6
Part C: qty 6
Part I: qty 6
9/16" Wrench
1/4" Hex Key

A. Place the seat cushion upside down on floor.
B. Attach the angle brackets to the legs. Make sure the thicker portion of the seat is furthest away from the two holes in the sides of the legs and the cable is coming out of the correct side.
C. Attach the tube to the legs and angle brackets. Do not tighten completely. Make sure the hole in the tube is as shown.
Step 3
Required Parts/Tools:
Part P: qty 2

A. Put the square nut into the bottom channel and slide the assembly gently into the tube as shown.
B. When you can see the threaded hole in the square nut through the hole for the plastic knob thread the
knob onto the square. The square nut may need to be slid further up the channel for easier installation.

Step 4
Required Parts/Tools:
Part A: qty 2
Part D: qty 2
Part G: qty 2
Part J: qty 2
9/16” Wrench
3/16” Hex Key

A. Attach the back piece as shown.
B. Put the clevis pin through the plate and
back tube and secure in place with the
cotter pin.
C. Make sure that everything is straight and
tighten everything down.
Step 5
Required Parts/Tools:
Part P: qty 2
Part F: qty 4
5/32” Hex Key

A. Slide out the arms approximately as shown and attach the support plate with the screws and the small knobs.

Step 6
Required Parts/Tools:
Part E: qty 8
3/16” Hex Key

A. Attach the arm cushions to the plates. The cable must go up through the hole shown in order to use the arm sensors.

If you have an arm sensor, you must open up the arm and plug in the 3.5 mm cable.

B. Turn the knob clockwise to tighten into place at desired height. The knobs only need to be loosened a little bit to reposition the arms.

WARNING: Always hold onto the arm cushions when loosening the height adjustment handle to avoid injury.
**Attaching the Sensor Mixer Box**

Attach the mixer box using the supplied wood screws and bracket.

**Using the Seat and Arm Sensors**

To use the seat sensor run the cable that comes out of the seat cushion through the hole in the tube. Attach the cable to the input side of the Mixer Box labeled “FROM SEAT”.

To use the arm sensors plug the cables into the Mixer Box plugs labeled “FROM ARMS”. It does not matter which side is plugged into which input plug.

**Using 76870FS - Foot Activity Sensor**

To use the 76870FS, attach the male cable coming out of it into the female end in the left leg of the chair.

The cable coming out the center of the leg should be attached to the mixer box on the bottom of the chair. The input side of the box is the side with the plug labeled “FROM FEET”.
Sensor Mixer Box - Model 76879M

Sensors all plug into the input side. The output side plugs into either the LX4000 or LX5000.

**ALL:** All activity signals viewed on a single channel (Arms, Feet, and Seat).

**SEAT:** The activity signal from the seat sensor viewed on a single channel.

**FEET:** The activity signal from the feet sensor viewed on a single channel.

**ARMS:** The activity signal from the arm sensors viewed on a single channel.

LX4000 and LX5000 Attachment to Mixer Box

**LX4000**

Input from mixer box All, Feet, Seat, or Arms

Cat5E Plug (Cable 76879CBL)

**LX5000**

Input from mixer box All, Feet, Seat, or Arms

The label on the LX5000 shows you what the LXSoftware will label the trace. If you insert the cable from the mixer box into the wrong hole, the label in the software will not match the sensor being read.

3.5mm Phono Plug (Cable 3-382-019)
Authorization Number (RGA). When returning instrumentation for service, Instrumentation may not be returned without first receiving a Return Goods will not be accepted. Product must be returned in saleable condition, and credit after receipt of the item and in the original shipping carton. Collect shipments return. Unopened merchandise may be returned prepaid within thirty (30) days label of the returned goods. The merchandise should be packed well, insured for the ultimate destination, as well as the power requirements (110V/60Hz or If ordering instrumentation for use outside the USA, please specify the country Exports Proforma invoices will be provided upon request. Quotations Quotations are supplied upon request. Written quotations will include the price of goods, cost of shipping and handling, if requested, and estimated delivery time frame. Quotations are good for 30 days, unless otherwise noted. Following that time, prices are subject to change and will be re-quoted at your request. Cancellations Orders for custom products, custom assemblies or instruments built to customer specifications will be subject to a cancellation penalty of 100%. Payment for up to 100% of the invoice value of custom products may be required in advance. Cancellation for a standard Lafayette Instrument manufactured product once the part is required. Exports If ordering instrumentation for use outside the USA, please specify the country of ultimate destination, as well as the power requirements (110V/60Hz or 220V/50Hz). Some model numbers for 220V/50Hz will have a “C” suffix. Quotations Quotations are supplied upon request. Written quotations will include the price of goods, cost of shipping and handling, if requested, and estimated delivery time frame. Quotations are good for 30 days, unless otherwise noted. Following that time, prices are subject to change and will be re-quoted at your request. Cancellations Orders for custom products, custom assemblies or instruments built to customer specifications will be subject to a cancellation penalty of 100%. Payment for up to 100% of the invoice value of custom products may be required in advance. Cancellation for a standard Lafayette Instrument manufactured product once the product has been shipped will normally be assessed a charge of 25% of the invoice value, plus shipping charges. Resell items, like custom products, will be subject to a cancellation penalty of 100%. Exchanges and Refunds Please see the cancellation penalty as described above. No item may be returned without prior authorization of Lafayette Instrument Company and a Return Goods Authorization (RGA#) number which must be affixed to the shipping label of the returned goods. The merchandise should be packed well, insured for the full value and returned along with a cover letter explaining the reason for return. Unopened merchandise may be returned prepaid within thirty (30) days after receipt of the item and in the original shipping carton. Collect shipments will not be accepted. Product must be returned in saleable condition, and credit is subject to inspection of the merchandise. Repairs Instrumentation may not be returned without first receiving a Return Goods Authorization Number (RGA). When returning instrumentation for service,