

### Liability Disclaimer

This EMDR tool is designed to assist the clinician in the administration of EMDR. The purchaser/clinician agrees to accept full responsibility for any harmful results and/or undesirable consequences obtained from the use of this instrument.

The manufacturer of this instrument shall not be held liable for adverse affects caused to clients resulting from the administration of EMDR or any other form of therapy using this machine.

Any unexpected reactions, results, or behavior noted as a result of the administration of EMDR, either using this product or by other methods, should be immediately reported to the EMDR Institute.

### Limited Warranty

The manufacturer warrants this equipment to the original purchaser against defective material or workmanship during the warranty period from the date of purchase. The manufacturer's responsibility under this warranty is limited to the repair or replacement of defective parts.

#### The warranty period:

90 days on components that connect with wires. This includes cables, wired pulsers, headphones and AC Adapters. One year on all other parts and components. The manufacturer reserves the right to determine whether the part or parts failed because of defective material, workmanship or other causes. Failure caused by accident, normal wear, alteration, misuse, tampering, negligence or improper packaging of returned units is not covered by this warranty. **This warranty is void when product is used by multiple therapists in a shared environment.** Please be advised that if a product is returned for warranty service and no defects are found or the problem is due to a weak/dead battery or operator error a shop charge and return shipping costs may be charged. All warranty repairs must be done by NeuroTek or a representative designated by NeuroTek. Any repair to the equipment other than by these authorized facilities voids this warranty. The rights under this warranty are limited to the original purchaser and may not be transferred to subsequent owners. **To receive warranty service, you must first contact NeuroTek for a return authorization number.** This number will be used for tracking your return. Send the complete unit, postage paid, to NeuroTek. Include a description of the problem you are having and a daytime phone number.

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## Advanced LapScan™ 4000



The EMDR Clinician's Assistant

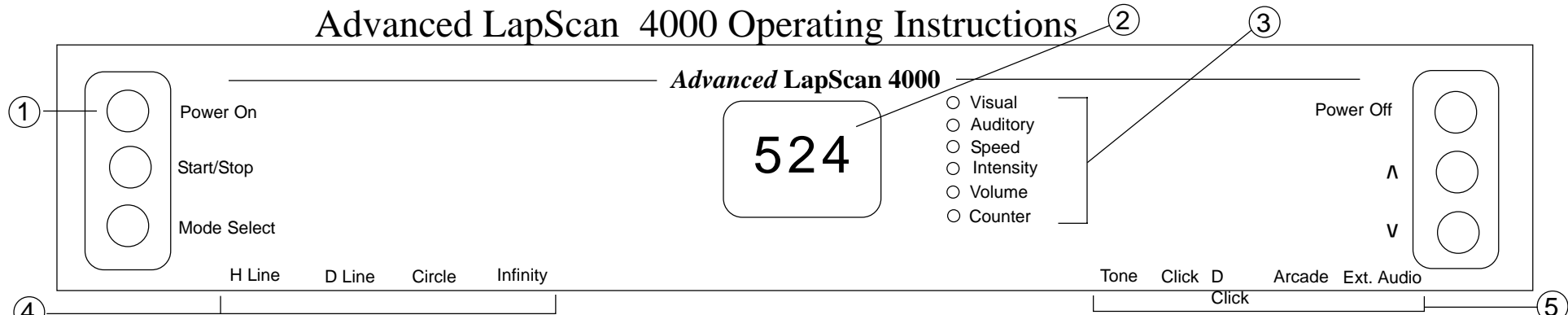
**Please read all instructions  
completely before operating.**

### Warning

**This instrument should not be used with  
any person who has a history of seizures.**

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NeuroTek™ Corp.

# Advanced LapScan 4000 Operating Instructions



## Getting Started:

Your Advanced LapScan 4000 includes the following items: the LapScan unit, AC adapter, remote control (with AA batteries), tactile pulsers, audio interface cable and headphones.

You may either use your AC adapter to power your LapScan or use 6 "C" cell batteries (not included). The AC adapter plugs in the back of the instrument then into a nearby wall socket. To insert the 6 "C" batteries into the battery compartment, remove battery cover located in the back of the LapScan and insert batteries as shown on battery label. Please note: The AC adapter must be disconnected from the LapScan for the batteries to be functional.

If you wish to use the audio and tactile functions, plug the headphones and pulsers into the labeled jacks located on the front, lower right of the LapScan as shown below. Be certain the plugs are inserted completely for proper operation. **Hold the gray pulser in the left hand and black in the right hand.**

To turn on your LapScan, press the "Power On" button (1). When you do so, your LapScan will produce one complete horizontal scan before stopping in the middle of the screen. The H-Line (Horizontal Line) indicator and the tone indicator will be illuminated. The numeric display (2) will be off, and the mode display (3) will be in visual mode.

## Panel Control Operation:

To start a scanning sequence, press the "Start/Stop" button. Once scanning, the Scan Mode (4) and Auditory indicators (5) will turn off while the lights are moving.

To stop a scanning sequence, press the "Start/Stop" button. When the lights reach the center, scanning will stop and the Scan Mode (4) and Auditory indicators (5) will illuminate, showing the currently selected modes.

All modes and settings may be changed whether scanning or stopped. The buttons labeled Λ (up) and V (down) are dual function. When pressed independently, they will increase and decrease the value of the currently selected mode. If you press and hold the Mode Select button, pressing the Λ and V buttons will change the currently selected mode. The following descriptions illustrate this principle:

**Visual Scan Mode:** To change the visual scan mode, hold the Mode Select button down and press Λ or V until the Visual indicator light is illuminated. Release the Mode Select button and press the Λ or V button until the desired visual pattern is selected. If the lights are scanning, the next mode will not engage until the current cycle is finished and the lights return to the center.

**Auditory Mode:** To change the auditory mode, hold the Mode Select button down and press Λ or V until the Auditory indicator light is illuminated. Release the Mode Select button and press the Λ or V button until the desired auditory sound is selected. For External Audio, plug the audio interface cable into the

Ext. Audio Jack in the lower right area of the LapScan and plug the other end of the cable into the headphone jack of your tape or CD player. Set the volume on your tape/CD player to maximum and start your music. With the Mode Display set to Auditory, select Ext. Audio. Hint: Slower speeds will be more pleasant when using external music.

**Speed Select Mode:** To change the speed, hold the Mode Select button down and press Λ or V until the Speed indicator light is illuminated. The numeric display will indicate the current speed. Release the Mode Select button and press the Λ or V button until the desired speed is selected. The numeric display will indicate a speed between 1 and 40.

**Pulser Intensity Select Mode:** To change the pulser intensity, hold the Mode Select button down and press Λ or V until the Intensity indicator light is illuminated. The numeric display will indicate the current intensity setting. Release the Mode Select button and press the Λ or V button until the desired intensity is selected. The numeric display will indicate an intensity between 1 and 15.

**Volume Select Mode:** To change the volume, hold the Mode Select button down and press Λ or V until the Volume indicator light is illuminated. The numeric display will indicate the current volume setting. Release the Mode Select button and press the Λ or V button until the desired volume is selected. The numeric display will indicate a volume between 1 and 15.

**Counter Display Mode:** To select counter display mode, hold the Mode Select button down and press Λ or V until the Counter indicator light is illuminated. The numeric display will indicate the current counter setting. Each time the scan is stopped, the most recent scan count is displayed. When the start button is pushed, the counter will reset to zero and start counting. When in the counter display mode, pressing the Λ or V buttons will increase or decrease the current speed. The numeric display will indicate a count between 1 and 999.

**To turn off the unit,** press the "Power Off" Button.

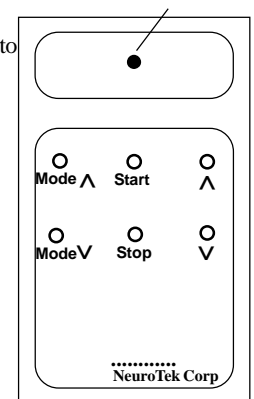
## Remote Control Operation:

All button functions on the Remote Control are reflected in the diagram below. The green indicator will flash when any button is pushed. If the green light fails to flash, replace the 2 AA batteries in the remote.

To begin scanning, press the "Start" button. To stop scanning, press the "Stop" button. To change the currently selected mode, press the "Mode Λ or Mode V buttons". To change the value of the currently selected mode, press the Λ or V buttons. Power to the LapScan must be turned on and off from the main panel.



## Green Indicator



Remote Control