

## Intelect 440 OPERATING INSTRUCTIONS

<p><b>Ultrasound</b></p> <ol style="list-style-type: none"> <li>1. Turn on unit (main switch is located on the back left)</li> <li>2. Select Ultrasound head (4 cm<sup>2</sup> or 1.8 cm<sup>2</sup>)</li> <li>3. Select Frequency (1.0 MHz or 3 MHz)</li> <li>4. Select Duty Cycle: Continuous (100%) or Pulsed (1:1 – 50% duty cycle, 1:4 – 20% duty cycle, 1:9 – 10% duty cycle)</li> <li>5. Set head warming feature to “off”</li> <li>6. Ignore the duty frequency</li> <li>7. Set intensity slowly (round dial). Adjust the intensity from 0 - 2.5 W/cm<sup>2</sup> in continuous mode, or 0 - 3 W/cm<sup>2</sup> (SATP) in pulsed mode.</li> </ol>	<p><b>Interferential</b></p> <ol style="list-style-type: none"> <li>1. Select Pain Management</li> <li>2. Select Interferential</li> <li>3. Select 4p IFC</li> <li>4. Select Beat Frequency. There are five options: <ol style="list-style-type: none"> <li>a. Sweep 80-150 Hz</li> <li>b. Sweep 1-150 Hz</li> <li>c. Sweep 1-10 Hz</li> <li>d. Fixed (optional in the range 1-200 Hz). The default is 100 Hz. To change this, press the Fixed button. Press the Back button. Press the Beat Fixed button and use the <math>\wedge</math> and <math>\vee</math> arrows to change. After the selection, press the Back button.</li> <li>e. Variable (optional in the range of 1-199 Hz for the lower and 1-200 Hz for the highest). Press the Variable button. Press the Back button, then press ‘Beat Low’ or ‘Beat High’ and make your selection using the <math>\wedge</math> and <math>\vee</math> arrows. After selection press the Back button.</li> </ol> </li> <li>5. Scan percentage (default 40%) shows the percentage decrease in set amplitude in each channel during treatment to change direction of the 100% interference phenomenon.</li> <li>6. Amplitude of the treatment shows in the areas below the treatment time and also to the left of the treatment timer.</li> </ol>
<p><b>Electrical Stimulation – Russian Current</b></p> <p>Using the keypads:</p> <ol style="list-style-type: none"> <li>1. Select “Muscle Contraction”</li> <li>2. Select “Russian”</li> <li>3. Select “Channel Mode”. Press until “2-channel co-contraction” is displayed.</li> <li>4. Current format: Leave on default CC. This means constant current (as opposed to constant voltage)</li> <li>5. Set the intensity. Select both channels to allow the intensity of both channels to be adjusted simultaneously.</li> </ol>	