



# Technical Specifications



SPECIFICATIONS CS6, CS7, & AT-9	
<b>Operating Environment</b>	<ul style="list-style-type: none"> <li>• Operating temperature range: 0 to 45 degrees Celsius</li> <li>• Humidity: &lt;95% (non-condensing)</li> <li>• Transport temperature range: -20 to 60 degrees Celsius</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>• CS-6 battery pack: NiMH 2/3AAA 350mAh 2.4V</li> <li>• CS-7 / AT-9 battery pack: NiMH AAA 500mAh 3.6V</li> <li>• Battery charger power supply: 10 VAC</li> <li>• Warning: To insure regulatory compliance, use only LRS supplied power supply</li> </ul>
<b>Paging Transmitter</b>	<ul style="list-style-type: none"> <li>• Output power: 69.5 dBuV/m at 10 meters.               <ul style="list-style-type: none"> <li>- NB: Maximum power output varies according to regulatory domain.</li> </ul> </li> <li>• Frequency Range: 433 MHz - 470 MHz               <ul style="list-style-type: none"> <li>- NB: Supported frequencies vary according to regulatory domain.</li> </ul> </li> <li>• Bandwidth: 12.5 kHz               <ul style="list-style-type: none"> <li>- 12.5 kHz FCC narrow-band directive compliant</li> </ul> </li> <li>• Modulation: 2-GFSK (Gaussian Frequency Shift Keying)               <ul style="list-style-type: none"> <li>- NB: Pagers designed to receive 2-FSK will still receive pagers.</li> </ul> </li> <li>• Deviation: 3.5 kHz               <ul style="list-style-type: none"> <li>- NB: Pagers designed to receive 4.5 kHz deviation will still receive pages if properly tuned.</li> </ul> </li> <li>• OTA Baud rate: 625</li> <li>• Antenna: Internal PCB antenna</li> <li>• Maximum Permissible Exposure: This device complies with FCC KDB447498 D01, 'General RF Exposure Guidelines v05r02': This device was found to be exempt from SAR exposure test requirements due to its low output power level. Exposure calculations were made at an antenna-to-user separation distance of 5mm, which is worst case for the device.</li> </ul>
<b>Paging Receiver</b>	<ul style="list-style-type: none"> <li>• Frequency Range: 433 MHz - 470 MHz</li> </ul>
<b>Supported Paging Protocols</b>	<ul style="list-style-type: none"> <li>• Proprietary LRS protocol</li> </ul>





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<b>User Interface</b>		<ul style="list-style-type: none"><li>• 4 digit, 7 segment LED display (CS-7 / AT-9)</li><li>• 8 red LEDs (CS-6)</li><li>• 8 RGB LEDs (CS-7 / AT-9)</li><li>• Vibration motor</li><li>• ESD protected</li></ul>
<b>Regulatory Certifications</b>		<p><b>United States and Territories</b></p> <ul style="list-style-type: none"><li>- FCC 47 CFR Part 15.107 Class B</li><li>- FCC 47 CFR Part 15.109 Class B</li></ul> <p><b>European Community</b></p> <ul style="list-style-type: none"><li>- IEC 60950-1:2005 +A1:2009 +A2:2013</li><li>- EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2010</li><li>- EN 55022:2010 Class B</li><li>- EN 300 220-1 v2.3.1</li><li>- EN 301 489-1 v1.9.2:2011</li><li>- EN 61000-3-2:2009</li><li>- EN 61000-3-3:2008</li><li>- EN 61000-4-2:2009</li><li>- EN 61000-4-3:2010</li><li>- EN 61000-4-4:2004</li><li>- EN 61000-4-5:2006</li><li>- EN 61000-4-6:2009</li><li>- EN 61000-4-11:2004</li></ul> <p><b>Industry Canada</b></p> <ul style="list-style-type: none"><li>- RSS-210 Issue 8:2010</li><li>- ICES-003 Issue 5:2012 Class B</li></ul>
<b>Dimensions &amp; Weight</b>		<ul style="list-style-type: none"><li>• Dimensions: 4.25 x 4.25 x .80 (height) inches</li><li>• Weight: 0.3 lbs</li></ul>

