

# Polycom® KIRK® Repeater

The Polycom® KIRK® Repeaters are the building blocks that extend the coverage area in a KIRK wireless solution.

The KIRK Repeater is a building block used to extend the coverage area in a KIRK wireless solution. The KIRK Repeater does not increase the number of traffic channels available, however, it provides a larger geographical spread of the traffic channels and thereby increases the coverage area established with the KIRK Base Stations or KIRK IP Base Stations. KIRK Repeaters are mainly used in areas with limited traffic.

The KIRK Repeater is available with either 2 or 4 voice channels. The repeater is wireless and does not need wired connection to the KIRK Wireless Server or base stations, making it very easy to install.

The KIRK Repeater can be supplied with an external directional antenna, which makes it possible to create radio coverage in a remote area without rolling out complicated cabling to the rest of the installation.

The KIRK Repeater can be used with all KIRK Wireless Servers.



## Polycom® KIRK® Repeater Specifications

<b>System Capacity without External Antenna</b> <ul style="list-style-type: none"> <li>Max. number of speech channels: 2 or 4</li> <li>Typical range (circular coverage):               <ul style="list-style-type: none"> <li>Indoor: 20-50 m.</li> <li>Outdoor: 300 m.</li> </ul> </li> </ul>	(EU) or 125mW (US) <ul style="list-style-type: none"> <li>Receiver sensitivity: typical -90 dBm.</li> </ul>	<b>Environmental Conditions</b> <ul style="list-style-type: none"> <li>Operating temperature: 0 - 55 °C</li> <li>Storage temperature: -50 - 70 °C</li> <li>Relative humidity: Between 20 % and 80 % (non-condensing)</li> <li>The equipment is in compliance with the requirements of EU directive 2002/95/EC (ROHS) and 2002/96/EC (WEEE)</li> </ul>
<b>System Capacity with External Antenna</b> <ul style="list-style-type: none"> <li>Max. number of speech channels: 2 or 4</li> <li>Distance from base station to repeater with external antenna: Up to 1,950 m.</li> </ul>	<b>Radio Approvals</b> <ul style="list-style-type: none"> <li>EN 301 406</li> <li>FCC RULES PART 15 / Subpart D, RSS-213</li> </ul>	<b>Electrical Requirements</b> <ul style="list-style-type: none"> <li>Maximum power consumption: 1.62W (Max. 2W)</li> <li>The power supply is 9VDC, 180mA.</li> </ul>
<b>Radio Interface</b> <ul style="list-style-type: none"> <li>DECT Radio (full slot)</li> <li>Average transmit power: typical 10mW/ch. (EU) or 5mW/ch (US)</li> <li>Peak transmit power: typical 250mW</li> </ul>	<b>Electro Magnetic Compatibility (EMC) Approvals</b> <ul style="list-style-type: none"> <li>EN 301 489-1</li> <li>EN 301 489-6</li> </ul>	<b>Physical Characteristics</b> <ul style="list-style-type: none"> <li>Size: 100 x 30 x 100 mm.</li> <li>Weight: 112.9 g.</li> <li>Grey-white (NCS 0502-Y)</li> <li>Wall-mountable, indoor</li> </ul>
<b>Safety (Regulatory Standards)</b> <ul style="list-style-type: none"> <li>UL60950-1 CAN/CSA-C22.2 No. 60950-1-03</li> <li>EN 60950-1</li> </ul>		

**Polycom Worldwide Headquarters**  
 4750 Willow Road, Pleasanton, CA 94588  
 1.800.POLYCOM or +1.925.924.6000  
[www.polycom.com](http://www.polycom.com)

**Polycom EMEA**  
 270 Bath Road, Slough, Berkshire SL1 4DX, UK  
 +44 (0) 1753 723000  
[www.polycom.eu](http://www.polycom.eu)

**Polycom Asia Pacific**  
 8 Shenton Way, #11-01 Temasek Tower,  
 Singapore 068811  
 +65.6389.9200 - [www.polycom.asia](http://www.polycom.asia)