

Bandwidth Requirements for Bridgit™ Conferencing Software



Applies to: Bridgit™ conferencing software 3.0 through 3.2

Overview

This article describes the Internet bandwidth requirements for Bridgit conferencing software.

Details

To reasonably estimate the bandwidth requirement of your Bridgit software conference, use the following table:

Bridgit Resource	Bandwidth Required
A shared screen at a 1024 × 768 resolution	60 kbps (kilobits per second)
One open microphone using the standard quality setting	45 kbps
One open microphone using the low quality setting	30 kbps
One open webcam with moderate activity	30 kbps

Example scenario 1: A four-user conference featuring one shared desktop, four open microphones at standard quality and four webcams with moderate activity.

To calculate the Bridgit server's bandwidth requirement for this conference, use this formula:

One shared screen with a 1024 × 768 resolution	60 kbps
One open microphone using the standard quality setting	$45 \text{ kbps} \times 4 = 180 \text{ kbps}$
One open webcam with moderate activity	$30 \text{ kbps} \times 4 = 120 \text{ kbps}$
Total bandwidth required per user (180 kbps + 120 kbps + 60 kbps)	360 kbps
Total bandwidth required for all users (360 kbps × 4 users)	1440 kbps or 1.4 Mbps (megabits per second)

Example scenario 2: A ten-user conference featuring one shared desktop, no webcams and two open microphones at a given time.

To calculate the Bridgit server's bandwidth requirement for this conference, use this formula:

One shared screen with a 1024 × 768 resolution	60 kbps
Two open microphones using the standard quality setting	45 kbps × 2 = 90 kbps
Total bandwidth required per user (60 kbps + 90 kbps)	150 kbps
Total bandwidth required for all users (150 kbps × 10 users)	1500 kbps or 1.5 Mbps

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