

CHAT® | 50

Personal Speakerphone — and more!

A personal speakerphone — and more! The CHAT 50 connects to a wide variety of devices for hands-free communications and audio playback. A perfect personal solution for road warriors and others who want rich full-duplex audio that is portable and economical.



ELIMINATE
THE NEED
FOR A HEADSET
FOR A VARIETY
OF AUDIO
DEVICES

APPLICATIONS

Internet Telephony

- + Skype, Vonage

Enterprise Telephones

- + Avaya, Cisco, Inter-Tel

VoIP Softphones

- + Avaya, Cisco, Nortel, Mirial

Cell Phones

- + Motorola, Nokia

Web Conferencing

- + IBM/Lotus Sametime
- + Microsoft Live Meeting, WebEx

Instant Messenger

- + AOL, Microsoft MSN, Yahoo

Desktop Video Conferencing

- + Polycom, Sony, Tandberg

Audio Playback

- + iPods
- + QuickTime, RealPlayer
- + Windows Media Player

PC-Based Gaming

- + TeamSpeak

ADVANTAGES

Crisp, Clear Audio

- + Advanced ClearOne audio processing technologies deliver remarkably rich, full audio for business class performance
- + True full duplex performance allows user to listen and speak at the same time without audio cutting in and out

Multiple Uses

- + Laptops, Macs and PCs - connect via USB for hands-free audio for:

- > VoIP softphones
- > Instant Messaging audio chats
- > Web conferences
- > Audio playbacks
- > Online gaming with TeamSpeak

- + Telephones - enjoy significant audio quality improvement over built-in speaker

- + Cell phones - get full-duplex performance without a headset

- + Desktop video conferencing - obtain economical full-duplex performance over built-in audio

- + iPods & MP3 players - full-band frequency response delivers impressive audio

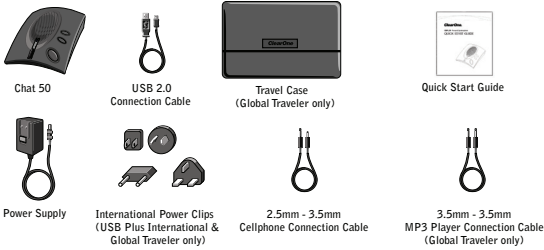
Hands-free Comfort

- + Move around freely without being tethered to PC or telephone with headset
- + Avoid discomfort to ears and fatigue caused by prolonged headset use

Convenience

- + Device is slightly bigger than a pack of cards, allowing for easy travel
- + Variety of accessories available to enable multiple connection options
- + Great for desktop, travel, or home use

> Components



Ready to use out of the box

All the components you need to quickly get up and running, including multiple adapters for U.S. & international power sources, along with USB, 2.5 - 3.5mm, and 3.5 - 3.5mm connection cables.*

*Additional accessories can be purchased separately



Configuration Software

Allows users to easily switch between devices; software applies optimized settings to CHAT 50 for each device. Auto updates from the web keep software & CHAT 50 up-to-date with the latest enhancements.*

*Update feature not available when connected to Windows 2000

> Specifications

Connections

USB Connector
Version 2.0 Compatible
Type: Mini-B Female

External Audio

Type: 3.5 mm (1/8") Mini-plug
Tip: Line Output
Ring: Line Input
Sleeve: Ground

Controls

Volume Up
Volume Down
Microphone Mute

Compatibility

Windows XP (SP2)
Windows Vista
Windows 7

Audio

Speaker

Bandwidth: 220 Hz - 14 kHz
Max Output Level: 80 dB SPL @ 1 foot (0.30 meter)

Microphone

Bandwidth: 50 Hz - 7.75 kHz

Line Input

Frequency Response: 20 Hz - 20 kHz +/- 1 dB
Maximum Input Level: 0 dBu
Input Impedance: 10 kΩ

Line Output

Frequency Response: 20 Hz - 20 kHz +/- 1dB
Maximum Output Level: 0 dBu
Output Impedance: 50 Ω

Processing

Full Duplex
Acoustic Echo Cancellation (AEC)
Noise Cancellation (NC)
Line Echo Cancellation (Selectable)
Automatic Level Control (ALC)

Power

USB-powered
5 VDC @ 500 mA maximum

External Power Supply
100 - 240 VAC Input
7 VDC @ 560 mA Output

Tip: Power
Ring: Ground

NOTE: Please refer to ClearOne website for equipment compatibility/interoperability tables.

Environmental

Operating Temperature:
41 - 104° F (5 - 40° C)

Mechanical

Dimensions (W x D x H):
3.8" x 4.1" x 1.8"
(9.7 cm x 10.4 cm x 4.6 cm)

Weight:
0.55 lbs. (0.25 kg)

Compliance

FCC Class B Part 15
REACH
ICES-003
U/L Listed
CE Listed
RoHS

Model Numbers

- 910-159-001 CHAT 50 USB
 - CHAT 50
 - USB 2.0 Cable
 - Quick Start Guide
- 910-159-002 CHAT 50 USB Plus
 - CHAT 50
 - USB 2.0 Cable
 - Power Supply
 - US Power Clip
 - Cellphone Audio Cable (2.5 - 3.5 mm)
 - Quick Start Guide
- 910-159-002-01 CHAT 50 USB Plus International
 - CHAT 50
 - USB 2.0 Cable
 - Power Supply
 - International Power Clips
 - Cellphone Audio Cable (2.5 - 3.5 mm)
 - Quick Start Guide
- 910-159-003 CHAT 50 Global Traveler
 - CHAT 50
 - USB 2.0 Cable
 - Power Supply
 - International Power Clips
 - Cellphone Audio Cable (2.5 - 3.5 mm)
 - MP3 Player Audio Cable (3.5 - 3.5 mm)
 - Travel Case
 - Quick Start Guide

Accessory Part Numbers

- 830-159-001 USB Cable (3')
- 830-159-002 Cellphone Audio Cable (2.5 - 3.5 mm)
- 830-159-003 Video Conferencing Cable (3.5 mm - RCA)
- 830-159-004 Video Conferencing Cable (3.5 - 3.5 mm)
- 830-159-005 MP3 Player Audio Cable (3.5 - 3.5 mm)
- 830-159-006 Headset-to-Headphone / Microphone Splitter (3.5 - 3.5 mm / 3.5mm)
- 830-159-007 CHAT 50 Audio Cable for Cisco 79XX Series Phones
- 830-159-008 CHAT 50 Audio Cable for Inter-Tel 8400, 8500, 8600, Encore 1000, Encore 2000 Series Phones
- 830-159-009 CHAT 50 Audio Cable for Avaya 2410, 4610 Phones
- 460-159-001 Travel Case - Fits CHAT 50, Power Supply, Cables
- 460-159-003 Travel Case (Compact) - Fits CHAT 50, Cables
- 551-159-001 Power Supply
- 551-153-500-01G Power Supply Clips (US, EU, UK & AUS)

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CHAT 50 INTEROPERABILITY

The following tables list the recommended interface cables and configuration recommendations for the various products with which the Chat 50 might be used, along with Windows 2000 interoperability. (The Chat 50 has limited functionality when used with a PC running a Windows 2000 operating system.) If you have any further questions, please contact Technical Support.

Device Type	Product	Interface Cable	Configuration Recommendations
Telephone	Cisco 79XX Handset	ClearOne RJ-9 Adapter Cable (coming soon)	<ol style="list-style-type: none">1. Connect to Cisco telephone via the RJ-9 headset port with the ClearOne adapter cable.2. Set Cisco headset volume to maximum level for best performance with Chat 50.
	Sipura SPA-841	3.5mm to 2.5mm Audio Cable	<ol style="list-style-type: none">1. Connect to Sipura telephone via the RJ-9 headset port with the ClearOne adapter cable.2. Set Sipura headset volume to mid-scale for optimum performance with Chat 50.
Video Conferencing	Polycom PVX	USB Cable	<ol style="list-style-type: none">1. Configure Chat 50 as the audio device for the PVX software.2. Disable PVX software echo cancellation for optimum performance.
	PCS-TL50	3.5mm Stereo to 2.5mm Split Out Cable (coming soon)	<ol style="list-style-type: none">1. Configure PCS-TL50 with echo cancellation off and microphone set to internal on the Audio Setting page in the PCS-TL50 software.2. Connect Chat 50 to the 2.5mm microphone and headset ports on the PCS-TL50.

TABLE 1. Chat 50 Interoperability

Device Type	Product	Interface Cable	Configuration Recommendations
VoIP Softphones	Avaya SIP Softphone	USB Cable	<ol style="list-style-type: none"> Go to configuration menu in Avaya softphone and select audio setting page Select Headset or Handset option for sound device. Connect Chat 50 to PC and run audio wizard for optimum performance.
	Cisco IP Communicator	USB Cable	<ol style="list-style-type: none"> Go to Audio Setting page in IP Communicator. Select Chat 50 as headset device for the softphone. Run the Audio Tuning Wizard. <p>Note: Use of the Chat 50 as the speaker phone selection will result in echo.</p>
	Xten eyeBeam	USB Cable	N/A
	ExpressTalk	USB Cable	N/A
	SJPhone	USB Cable	N/A
	PC Gphone	USB Cable	N/A
Internet Telephones	Skype	USB Cable	<ol style="list-style-type: none"> Go to Skype Tools menu and select menu option 2. Select Sound Devices. Select Chat 50 as Audio In and Audio Out device in combo box.
	Vonage	USB Cable	N/A

TABLE 1 (CONTINUED). Chat 50 Interoperability

Device Type	Product	Interface Cable	Configuration Recommendations
Instant Messaging	Microsoft MSN	USB Cable	<ol style="list-style-type: none"> 1. Go to Tools menu and select audio and video setup. 2. Click Next and select Chat 50 for speaker. 3. Ensure that "Are you using headphones?" is unchecked. 4. Click Next and select Chat 50 for the microphone. 5. Click Next to complete setup.
	Yahoo Chat	USB Cable	<ol style="list-style-type: none"> 1. Open Messenger/preferences/calling and Audio page. 2. Set Chat 50 as default microphone and speaker. 3. Open the call setup assistant and follow the prompts.
	AOL Aim	USB Cable	N/A
	Team Speak	USB Cable	N/A
	Ventrilo	USB Cable	N/A
Web Conferencing	Microsoft Netmeeting	USB Cable	<ol style="list-style-type: none"> 1. Go to Tools menu and select audio tuning wizard. 2. Set Chat 50 as default microphone and speaker. 3. Open the call setup assistant and follow the prompts.

TABLE 1 (CONTINUED). Chat 50 Interoperability

Device Type	Product	Interface Cable	Configuration Recommendations
Cell Phones	Motorola E1120, V557, V130, and Timeport 260	3.5mm to 2.5mm Audio Cable	Set cell phone volume to mid-scale to prevent audio clipping.
	Nokia		
	Samsung SGH-C225		
	LG VX 6000		
	Audiovox CDM-9900		
	Sanyo VI 2300		
MP3 Players	Apple iPod	3.5mm to 3.5mm Audio Cable (ends are not interchangeable)	Set iPod volume to 75% and Chat 50 volume to 75%.
Other Devices	USB 1.1 Web Cameras	USB Cable	<p>Chat 50 is a wideband audio device that can consume up to 35% of USB 1.1 bandwidth. Some USB 1.1 web cameras consume in excess of 75% of USB bandwidth. For instances in which the two devices consume in excess of 100% of available USB bandwidth, Windows will have a message pop-up saying, "Exceeded USB available bandwidth." To correct this conflict, you can:</p> <p>Option 1: Reduce frame rate on the USB camera within the device's video driver.</p> <p>Option 2: If your PC has two or more USB buses, place the Chat 50 on USB bus 1 and the web camera on USB bus 2.</p>
	Belkin and D-Link USB Hubs	USB Cable	Must be attached to external power source.

TABLE 1 (CONTINUED). Chat 50 Interoperability

Function	Description	Windows 2000	
		Supported	Not Supported
Device Setup	Function to automatically configure Chat 50 to work with other communication devices.	X	
Advanced Settings	Functions related to manually configuring audio processing settings with the Chat 50.	X	
My Devices	Feature to configure Chat 50 based on user preferred settings for their communications devices.	X	
USB Audio Control from Chat 50 Volume Buttons*	Ability to control Windows Volume Control panel from the Chat 50 volume buttons.		X
Firmware Updates	Ability to load new firmware releases into the Chat 50.		X
Signed Driver	Registered Microsoft Windows signed driver.		X

*To adjust the Chat 50 volume, a Windows 2000 user must use the Speaker Volume Control application in the Windows 2000 operating system. The Chat 50 must be connected to the PC via the USB cable in order for this to function.

TABLE 2. Chat 50 Windows 2000 Interoperability