YAMAHA

Project Phone

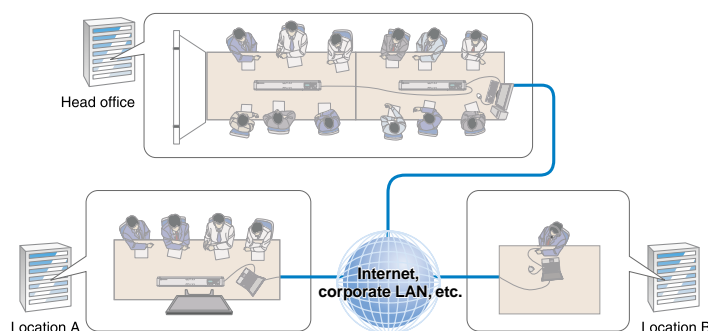## Conference Microphone Speaker

PJP-100UH

P r o j e c t p h o n e

The PJP-100UH is a conference microphone speaker with a built-in high performance echo canceller. When connected to a PC with a USB or audio cable, the PJP-100UH enhances your softphone* or Web conferencing system** for multiperson response that is as smooth as video conferencing.
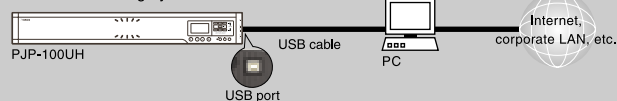
∗ Software for making telephone calls over the Internet on a PC
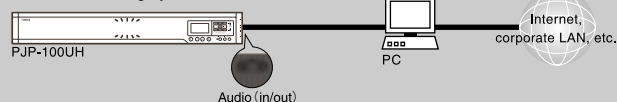∗∗ A PC-enabled video conferencing system

Head office

Internet, corporate LAN, etc.

Location A

Location B

Pickup range

The PJP-100UH is suitable for approximately eight participants.

Connections

Web conferencing system

PJP-100UH — USB cable — PC — Internet, corporate LAN, etc.

USB port

Web conferencing system

PJP-100UH — PC — Internet, corporate LAN, etc.

Audio (in/out)

▲ Simply connect the PJP-100UH to a PC to create a smooth, multiperson conferencing experience for both listeners and talkers.

Four keys to smooth conferencing for both listeners and talkers

High performance audio pickup

Thirty-two arrayed microphones pick up conference participant voices reliably. The PJP-100UH picks up the typical exchanges that occur during meetings so accurately and smoothly that its presence is hardly noticed. A single unit can support up to eight participants.

High fidelity

Twelve undermounted arrayed speakers clearly reproduce the voices of the conference participants. Sound is projected with high quality at a volume that all participants can hear easily without strain or fatigue, even in large conference rooms.

Elimination of audio cut-out and echo

A high performance adaptive echo canceller ensures no echo, audio cut-out, or drop in volume even when parties on opposite ends are speaking at the same time. The allows conference participants to speak naturally to one another as if in the same room.
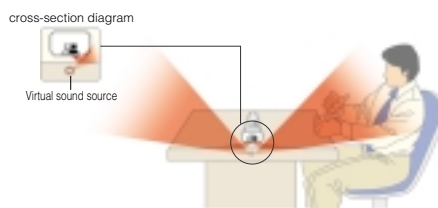
Flexible installation

You can place the unit anywhere in the room without concern over echo or cut-out, because a built-in adaptive echo canceller automatically adjusts the echo-cancelling filter coefficient according to the surrounding environment. You can hold your conference at the time of your choice, anywhere there's space available.

IP Conference System Website
http://www.global.yamaha.com/products/projectphone/

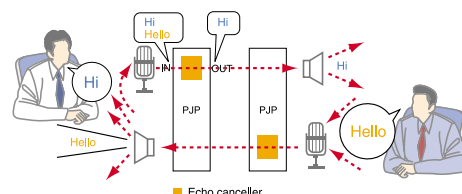## Audio pickup control system of arrayed microphones

Sixteen microphones (per array) automatically detect the location of sound sources and pick up voices clearly. You can specify audio pickup areas from which ambient noises are eliminated (such as ventilation systems and projectors), providing a noise-free meeting environment that lets attendees concentrate.

Sound source

Delay in sound transmission

DSP Signal processing

Acoustic design

The Projectphone controls twelve hi-fi speakers to produce a point audio source, and adopts an acoustic design that accounts for in consideration of the orientation of conference desks and chairs. It enables listenable audio output using the horn loading effect created by a synthesized acoustic wavefront.

cross-section diagram

Virtual sound source

Smooth two-way talks

Echo is a phenomenon that often occurs when the microphones pick up the audio reproduced from the speakers in an audio conference system. The Projectphone incorporates a high-performance adaptive echo canceller and an ideal design to eliminate echoes and reproduce voices with higher clarify. In addition, the PJP-100UH incorporates a 3-channel adaptive echo canceller that enables you to remotely specify audio output from each speaker position (Divide mode).

Echo canceller

With a PJP-100UH and a PC, you can join a conference from anywhere.

Conference room A   Conference room B   Meeting table

Specification

For complete specifications > **http://www.yamaha.co.jp/english/product/projectphone/products/spec.html**

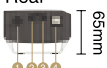|		**PJP-100UH** (S) Conference Microphone Speaker
General	UPC	086792859835
	EAN	49 60693 23264 4
	External interfaces	USB2.0 Full Speed, Stereo analog input/output × 1 each (mini-jacks) AC adapter connector (DC-12 V IN): for the provided AC power adapter Serial (RS232C compliant) mini-DIN: talker position data output
	Installation attitude	Horizontal ±5°
	Power consumption	Approx. 36 W
	Radio interference standard	FCC part 15 (US), EN 55022 (EU)
	Operating environment	Operating temperature: 0 – 40°C (32 – 104°F) Operating humidity: 20% – 85% (no condensation)
	Size	750(W) × 65(H) × 100(D) mm
	Weight	Approx. 2.9 kg (excl. power adapter)
	Power supply	100 to 240 V AC (50/60 Hz)
	Accessories	AC adapter, power cable, USB cable, owner's manual, warranty card
	Other	Operating system: Microsoft® Windows® Vista/XP Professional/XP Home Edition/2000 CPU: Pentium®/Celeron®-compatible processor, 750 MHz or higher Memory: 128 MB or higher (256 MB or higher is recommended) Firmware revision update (transfer from a PC via USB)
Audio	Arrayed microphones	Zone audio pickup function, Spot audio pickup function, Microphone auto tracking function
	Arrayed speakers	Point audio source control, Directivity control Diffusion mode (monaural output), Spot mode (monaural output) Output level: 85 dB
	Frequency range	300 – 7000 Hz (wide band)
	Signal processing	3-ch adaptive echo canceller, Noise reduction, Microphone/speaker array control

*All specifications subject to change without notice. System specifics may vary.

Top   100mm

Bottom   12 speakers

Front   16 microphones x 2 arrays

750mm

Rear   65mm

① DC IN 12 V   ③ AUDIO OUT
② AUDIO IN   ④ USB port

For details please contact: