







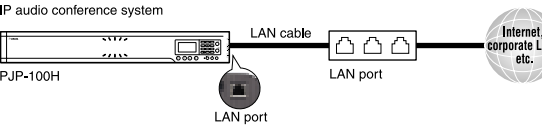
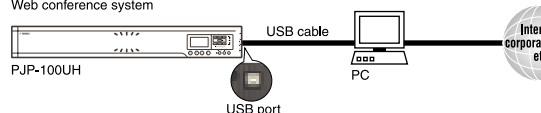
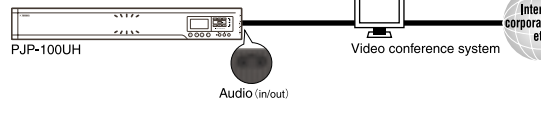


| | IP Audio Conference System PJP-100H(S) | Conference Microphone Speaker PJP-100UH(S) |
|--|--|--|
| UPC | 086792859828 | 086792859835 |
| EAN | 49 60693 23263 7 | 49 60693 23264 4 |
| External interfaces | Ethernet (10/100BaseT), Stereo analog input/output x 1 each (mini-jacks) AC adapter connector (DC-12 V IN) for the provided AC power adapter Serial (RS232C compliant) mini-DIN: talker position data output | USB2.0 Full Speed, Stereo analog input/output x 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° | |
| Maximum power consumption | 36 W | |
| Radio interference standard | VCCI-class A | |
| Operating environment | Operating temperatures: 0 – 40°C (32 – 104°F), Operating humidity: 20% – 85% (no condensation) | |
| Size | 100(W) x 750(T) x 65(D) mm | |
| Weight | Approx. 2.9 kg (excl. power adapter) | |
| Power supply | 100 V AC (50/60 Hz) | |
| Accessories | AC adapter, power cable, LAN cable (3m), owner's manual, warranty card | AC adapter, power cable, USB cable (2m), owner's manual, warranty card |
| Other | Logging facility (SYSLOG), Firmware revision update (HTTP, TFTP), Settings (Web menu and front panel key operations) | 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 HTTP) |
| 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) Divide mode (positioning: max. 3 positions), Output level: 85 dB | 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 | |
| Connecting locations | Mesh connection (max. 4 locations), Cascade connection (max. 8 locations) | |
| Transmission band required for audio codec | G.711 extended original system (fs = 16 kHz) 2-location call: 160 kbps, uplink and downlink 3-location call: 320 kbps, uplink and downlink 4-location call: 480 kbps, uplink and downlink G.711 (μ-Law) 2-location call: 90 kbps, uplink and downlink 3-location call: 180 kbps, uplink and downlink 4-location call: 270 kbps, uplink and downlink G.726 2-location call: 60 kbps, uplink and downlink 3-location call: 120 kbps, uplink and downlink 4-location call: 180 kbps, uplink and downlink | |
| Other functions | Compliance to DHCP, UPnP and SIP. Time synchronization with SNTP server, Simple multi-system connection using the telephone directory server (RTV01) | |
| Dimensions | <p>Top</p>  <p>Bottom</p>  <p>Front</p>  <p>Rear</p>  <p>750mm</p> <p>100mm</p> <p>65mm</p> <p>1 DC IN 12 V 2 AUDIO IN 3 AUDIO OUT 4 LAN port</p> | <p>Top</p>  <p>Bottom</p>  <p>Front</p>  <p>Rear</p>  <p>750mm</p> <p>100mm</p> <p>65mm</p> <p>1 DC IN 12 V 2 AUDIO IN 3 AUDIO OUT 4 USB port</p> |
| Attachment diagram | <p>IP audio conference system</p>  <p>PJP-100H</p> | <p>Web conference system</p>  <p>PJP-100UH</p> <p>Video conference system</p>  <p>PJP-100UH</p> <p>Audio (in/out)</p> |

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YAMAHA

2007.4

ProjectPhone



The shape of conferencing systems to come.
With the sound of Yamaha.



IP Audio Conference System

PJP-100H(S)

IP audio conference system utilizing networks including the broadband and corporate LAN, with built-in communication features.



Conference Microphone Speaker

PJP-100UH(S)

High-performance conference microphone speaker with USB and stereo analog (in/out) interfaces



IP Audio Conference System HP
<http://www.yamaha.co.jp/english/product/projectphone/>



Easy on the listeners. Easy on the talkers.

It's Yamaha's take on what a high-performance conferencing system should be.

The Projectphone introduces a new linear architecture to conference phones, with twelve under-mounted speakers and sixteen microphones on each side. Designed with a stylish and slim shape that fits neatly on the conference table, it embodies Yamaha's quest to make voice conferencing systems so good you almost forget they're there.

And it's all part of the Yamaha tradition of superb quality sound.



IP Audio Conference System

PJP-100H(s)

IP audio conference system utilizing networks including the broadband and corporate LAN, with built-in communication features



Conference Microphone Speaker

PJP-100UH(s)

High-performance conference microphone speaker with USB and stereo analog (in/out) interfaces

Audio pickup control system of arrayed microphones

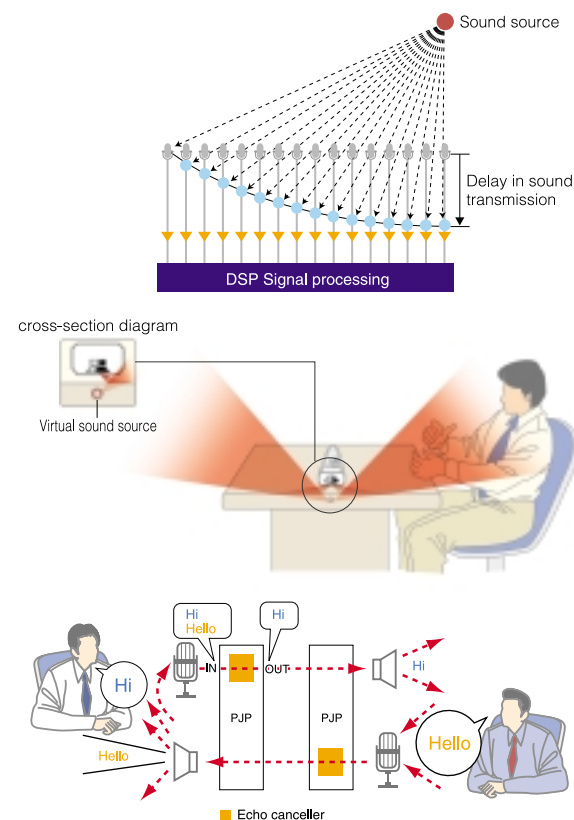
Sixteen microphones (per array) automatically detect the location of sound sources and pick up voices clearly. You can specify audio pickup areas from which ambient noises are eliminated (such as ventilation systems and projectors), providing a noise-free meeting environment that lets attendees concentrate.

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.

Smooth two-way talks

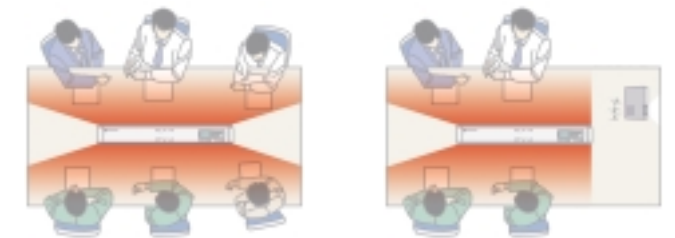
Echo is a phenomenon that often occurs when the microphones pick up the audio reproduced from the speakers in an audio conference system. The Projectphone incorporates a high-performance adaptive echo canceller and an ideal design to eliminate echoes and reproduce voices with higher clarity. In addition,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



Selectable audio pickup modes for various environments

Suitable for a quiet room

Because the high-performance arrayed microphones accurately pick up voices in large area in this mode, it is suitable for the relatively quiet environment. You can also specify audio pickup area to eliminate ambient noises such as ventilation systems and a projector.



Zone mode

Suitable for a noisy environment

Because the audio pickup area of the arrayed microphones can be narrowed in this mode, it is suitable for the cases that the taker is fixed one or two persons or noisy environments. The arrayed microphones pick up voices clearly even in a noisy office or wide open space.



Spot mode

Tracking the talker's direction automatically

By the microphone auto tracking function, the arrayed microphone set automatically tracks and focuses the audio of the talker without fixing the audio pickup area. Also, you can filter out room noises such as projector noises by specifying audio pickup area to where the microphone auto tracking function is applied. Because the audio pickup area of the arrayed microphones is focused on the direction of a speaker in this mode, it is suitable for a meeting with several members in a noisy environment.



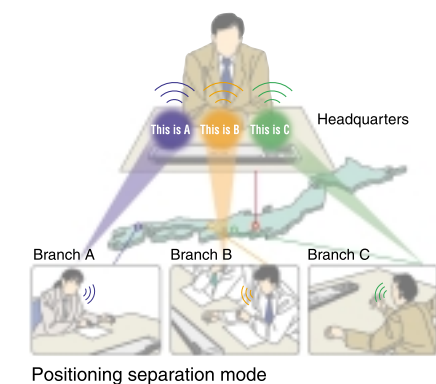
Track mode (Tracking the talker's direction automatically)

Positioning separation mode (Divide mode)

Easily distinguishable voices without crossing, even during multi-location conferences

The voices can be reproduced from different speakers according to the locations of the talkers. Outputs without crossing not only make voices easily audible, but also enable easy identification of the location of the current talker.

※ This feature is available only when connecting the PJP-100Hs with a mesh connection.



Adaptive echo canceller

Removes echo even in a room with high reverberation

The Project Phone's adaptive echo canceller automatically adjusts the echo-filter factor to the optimum for a given environment. With the Projectphone, you can hold a meeting in any type of room or space.

