A high-quality conferencing experience

Innovative sound processing technologies combine to create a productive communications environment.

The YVC-1000 communication meet high-quality sound technologies that Yamaha has developed over the years, including a unique Human Voice Activity Detection capability used to detect human voices. "HVAD" is an important element of several different sound processing features that require fast and efficient sorting of voices and human voices in order to make speaking and listening a more relaxing, stress-free experience during remote conferencing.

- Adaptive echo canceller
  - Function: Automatically, the echo cancels the echoes generated from speakers to improve the clarity of the voice.
  - Action: Automatic, Variable, Input level
  - Frequency: 100 to 20,000 Hz

- Automatic gain control
  - Function: Automatically, the gain is set to an optimal level in order to provide the clearest sound pickup possible.
  - Action: Automatic, Variable, Input level
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- Automatic room EQ
  - Function: Automatically, the equalization is adjusted to fit the environment.
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- Dereverberation
  - Function: Automatically, the reverberation is removed.
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- Automatic audio tuning
  - Function: Automatically, the audio is tuned to ensure that listeners hear only clear, intelligible voices.
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- Adaptive voice activity detection
  - Function: Automatically, the volume of the voice is detected and tracked.
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Smart Separation for Closer Communication

Separate microphone and speaker for an intimate audio/video experience.

YVC-1000
Unified Communications Microphone & Speaker System

Yamaha’s unique sound optimization technologies

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For details, please visit:
Effective remote communication through close audio/video integration

The YVC-1000 features separate microphone and speaker units that smoothly integrate audio and video for natural, comfortable remote communication. The high performance, full range speaker unit can be placed close to the display so that audio and video from the remote location blend naturally, while adaptive echo canceller and other Yamaha sound processing technologies facilitate stress-free conversation.

Flexible connectivity
Fast easy connection to PCs, smartphones, tablets, and dedicated conferencing systems

User-friendly design
Optimize acoustic settings with a single touch

Excellent scalability
Connect additional speakers and microphones for larger meetings

Convenient functions
Communicate with various sources simultaneously

Smooth Bluetooth connection using NFC® technology
Connect simply and easily by placing an NFC-compatible smartphone or tablet over the NFC logo on the top of the control unit while the Bluetooth button is flashing*2.

Connect to the YVC-1000 via USB, Bluetooth*1, or the audio terminals*2 of a conferencing system and dedicated conferencing systems.

Optional microphone

Microphone

Control unit (with a built-in speaker)

YVC-1000

Unified Communications Microphone & Speaker System

*2 If you press the Bluetooth button once, it flashes in blue.

*1 NFC may not function correctly with some NFC-compatible devices.

*2 RCA pin plugs.

*1 Supports the mSBC codec for transmission of broadband data.

Additional microphones and speakers can be connected to the YVC-1000 via USB, Bluetooth, or audio input/output terminals of a conferencing system and dedicated conferencing systems.

Fast, easy connection to PCs, smartphones, tablets, and dedicated conferencing systems

Connect to an external microphone for more flexibility during remote class sessions or seminars

YVC-1000 can function as a microphone or speaker for multiple voice input microphones connected to each microphone via USB, Bluetooth, and audio input/output, allowing simultaneous communication over different lines. For example, while connected to a web conference via USB, you can also include more participants via smartphones using a Bluetooth connection by using the audio mixing function to combine the audio sources.

Excellent scalability
Connect additional speakers and microphones for larger meetings

Supports English, Japanese, Chinese, Korean, French, Spanish, and German. The default setting is English.
Yamaha’s unique sound optimization technologies

Adaptive echo canceller

Intelligently analyzes the audio from the speaker in order to accurately detect and suppress the unwanted echoing of the speaker’s voice.

Automatic gain control

This function automatically adjusts the gain for individual voices depending on their level and distance from the microphone. It ensures that only human voices are amplified, preventing the amplification of noises and other unwanted sounds.

Automatic room EQ

This function automatically adjusts the speaker’s output in real-time to match the characteristics of the environment.

Dereverberation

Noise reduction function suppresses unwanted echoes. Naturally occurring reverberation can cause the voice to become unclear or soft, however, Yamaha’s Dereverberation function works to hear and be heard by ensuring that listeners hear only clear, effective conversation.

Automatic tracking

This function automatically detects and tracks the location of a person’s voice in order to provide the clearest sound pickup possible. The noise reduction function suppresses the sounds from speakers in environments generated when microphones pick up unwanted echoes.

Automatic audio tuning

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Effective remote communication through close audio/video integration

The YVC-1000 features separate microphone and speaker units that smoothly integrate audio and video for natural, comfortable remote communication. The high performance, full range speaker unit can be placed close to the display so that audio and video from the remote location blend naturally, while adaptive echo canceller and other Yamaha sound processing technologies facilitate stress-free conversation.

Flexible connectivity
Fast easy connections to PCs, smartphones, tablets, and dedicated conferencing systems
• Connect to the YVC-1000 via USB, Bluetooth*, or a conferencing system for high-quality audio for your conferences and meetings. This range of connection options allows you to easily adapt to a variety of communications environments, as well as situations where conferencing might otherwise be difficult due to the lack of a local, internal, or external microphone and speaker.

Convenient functions
Communicate with various sources simultaneously
• The audio mixing function mixes multiple voice input devices connected to each interface (USB, Bluetooth, and audio input/output) allowing you to quickly adapt to a variety of communications environments, as well as situations where conferencing might otherwise be difficult due to the lack of a local, internal, or external microphone and speaker. (This function optimizes settings for the adaptive echo canceller to optimize internal parameters. (This function optimizes settings for the adaptive echo canceller to optimize internal parameters.)

Excellent scalability
Connect additional speakers and microphones for larger meetings
• In its standard configuration, the YVC-1000 is ideal for small and medium-size meetings. For conferencing on a larger scale, external speakers and up to four additional YVC-MIC1000EX microphones can be added to cover a wider area and accommodate more conference participants.

User-friendly design
Optimize acoustic settings with a single touch
• The YVC-1000 automatically optimizes the acoustic settings by learning about the acoustic environment of a room as it operates. Where time requirements mean that speed is an issue, simply pressing the tuning fork button activates the automatic audio tuning function, immediately optimizing the acoustic settings for your current environment.*1 If any acoustic problems are detected, the tuning fork button lights up orange to warn the user. Details on acoustic problems can be accessed through the audio guidance function,*2 which provides announcements for other operations, such as when Bluetooth connections have been established.

Smooth Bluetooth connection using NFC™ technology
• Connect simply and easily by placing an NFC-compatible smartphone or tablet over the NFC logo on the top of the control unit while the Bluetooth button is flashing*2.

Convenient functions
Connect to external microphone for more flexibility during remote class sessions or seminars
• Equipped with an external microphone input, the YVC-1000 is ideal for applications such as remote classes or seminars where a handheld microphone may not be practical. Simply, connect an external microphone via RCA pin plugs. (This function optimizes settings for the adaptive echo canceller to optimize internal parameters.)

Microphone Base site A Base site B Visiting location C

Output your voice through both the base unit speaker and speakers at the location. Simply connect an external microphone to the external microphone input for applications such as remote classes or seminars.
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YVC-1000

Microphone

Control unit (with a built-in speaker)
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The YVC-1000 incorporates many high-quality sound technologies that Yamaha has developed over the years, resulting in a unique Human VoiceAcoustic Detection capability and in-depth human voice analysis. "HVAD" is an important element of several different sound processing features that require fast and efficient sorting of voices and human voices in order to make speaking and listening a more relaxing and effective experience during a remote conference.

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