EMEET Meeting Capsule Pro Room Kit

EMEET Meeting Capsule Pro Room Kit User Manual

Model: Meeting Capsule Pro Room Kit

1. INTRODUCTION

The EMEET Meeting Capsule Pro Room Kit is an integrated solution designed for hybrid collaboration and online meetings. It combines a dual 4K lens webcam, a 1080P sub-webcam, multiple microphones, and a powerful speaker to provide a comprehensive audio-visual experience. This manual provides detailed instructions for setting up, operating, and maintaining your device to ensure optimal performance.

Figure 1.1: EMEET Meeting Capsule Pro Room Kit components.

Figure 1.2: The Meeting Capsule Pro Room Kit is suitable for various meeting environments, including web conferences, medical consultations, administrative discussions, and online educational sessions.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Integrated System:** Combines a dual 4K lens webcam, 1080P sub-webcam, 8 omnidirectional microphones, 2 noise-canceling microphones, and a 10W Hi-Fi speaker.
- **Dual 4K Lenses & 360° AI Auto Focus:** Equipped with dual 4K lenses and Sony sensors, providing high-quality video. AI auto-focus technology frames 1-3 main speakers based on voice and facial capture.
- **Whiteboard Mode & Versatile Application:** Features a dedicated whiteboard mode using the 1080P sub-camera for AI detection and correction, ensuring clear remote viewing. Host mode centers the speaker. Collaboration mode displays multiple speakers simultaneously.
- **Data Security & Privacy:** Offers a privacy mode to cut off audio and video transmission and includes a magnetic privacy cap for physical camera blocking. Utilizes secure USB physical connection without Bluetooth or Wi-Fi, and no cloud storage.
- **Easy Operation & Wide Compatibility:** Plug-and-play functionality for the 4K camera, and power-on for the 1080P sub-camera. Features buttons for sensitivity adjustment, privacy mode, and mute. Compatible with Windows, MacOS, Android, Linux, and major online meeting software like Zoom, Microsoft Teams, Skype, Google Meet, and Cisco Webex.

2.2 Package Contents

Verify that all items are present in your package:

- EMEET Meeting Capsule Pro (Main Unit)
- 1080P Sub-Camera
- Tripod
- 3m USB-A/C Cable (x2)
- USB-C Adapter (x2)
- Power Adapter
- Magnetic Privacy Cap
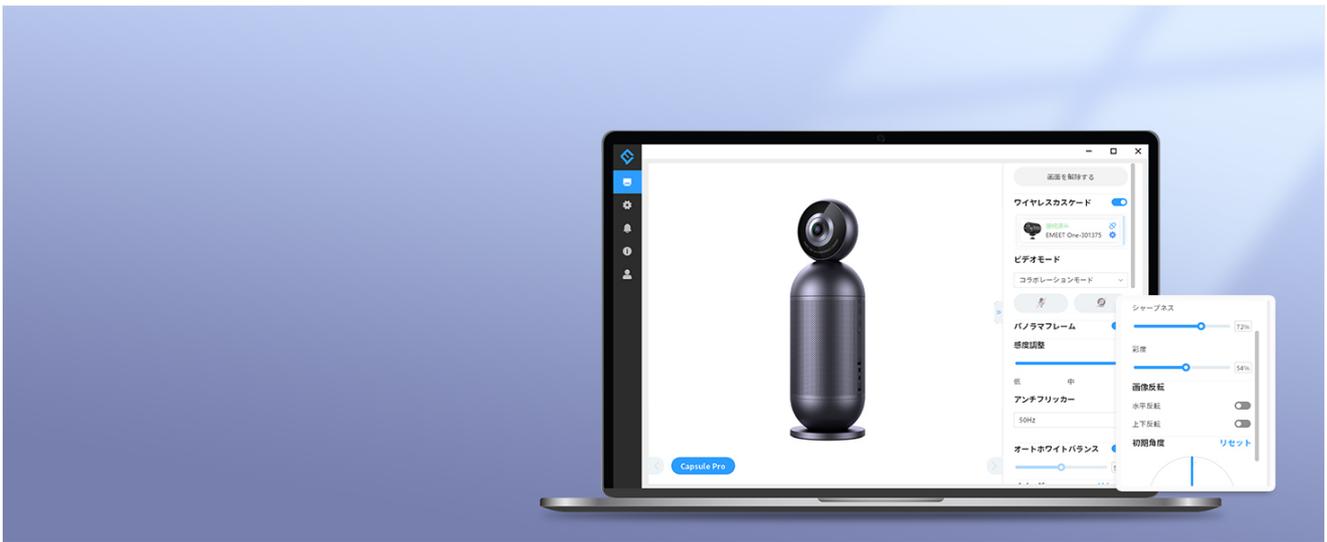- Whiteboard Stickers (x2)
- User Manual

Figure 2.1: EMEET Meeting Capsule Pro Room Kit package contents.

3. SETUP

3.1 Connecting the Main Unit

1. Place the EMEET Meeting Capsule Pro main unit in the center of your meeting table for optimal 360-degree coverage.
2. Connect the provided USB-A/C cable to the main unit and then to your computer.
3. Connect the power adapter to the main unit and a power outlet.

3.2 Connecting the Sub-Camera

1. Attach the 1080P sub-camera to the tripod.
2. Position the sub-camera to face a whiteboard or a specific area you wish to highlight.
3. Connect the sub-camera to your computer using the second USB-A/C cable. The sub-camera will power on automatically.

Figure 3.1: Sub-camera setup on tripod.

Figure 3.2: Plug-and-play connection for both cameras.

Important Note: The EMEET Meeting Capsule Pro is not designed to support its own weight on a standard 1/4-inch screw tripod. It is recommended to use the included tripod or a compatible, stable tripod for the sub-camera.
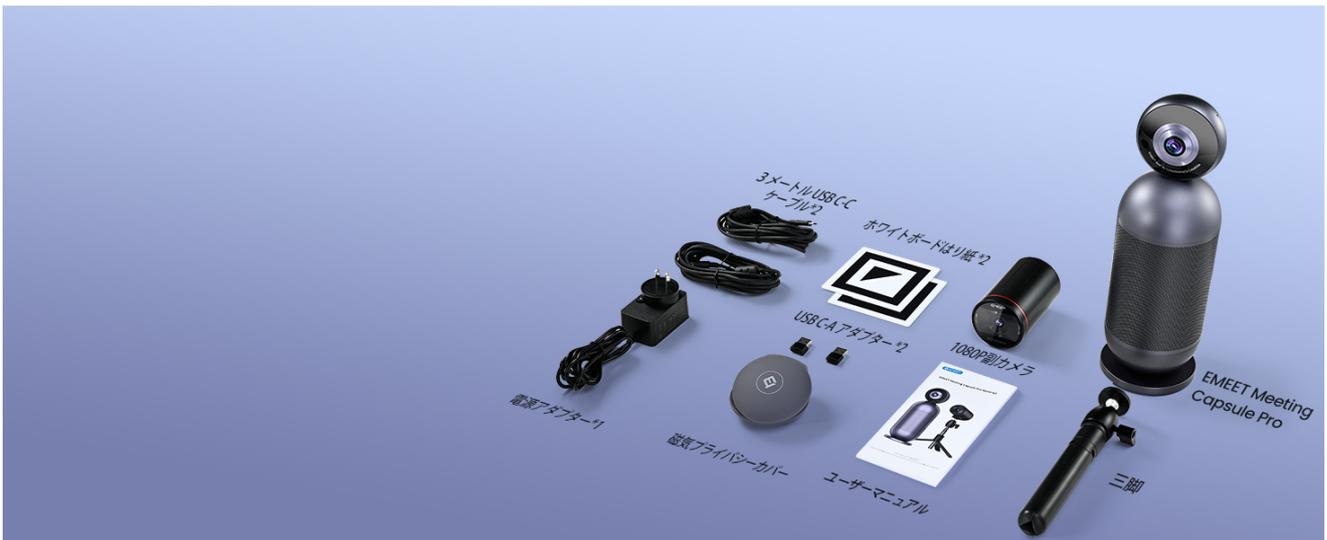

Figure 3.3: Tripod usage recommendation.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

1. Once connected, the devices are ready for use. Select the EMEET Meeting Capsule Pro as your camera and microphone in your preferred video conferencing software.

2. Use the physical buttons on the main unit to control key functions:

   - **Sensitivity Adjustment Button:** Adjusts the capture speed in 3 levels.
   - **Privacy Button:** Toggles privacy mode on/off, disabling audio and video transmission.
   - **Mute Button:** Mutes/unmutes the microphone.

Figure 4.1: Main unit control buttons.

4.2 EMEETLINK Software

For advanced settings and firmware updates, download and install the EMEETLINK software from the official EMEET website. This software allows you to fine-tune parameters such as sharpness, exposure, and white balance, and manage video modes.
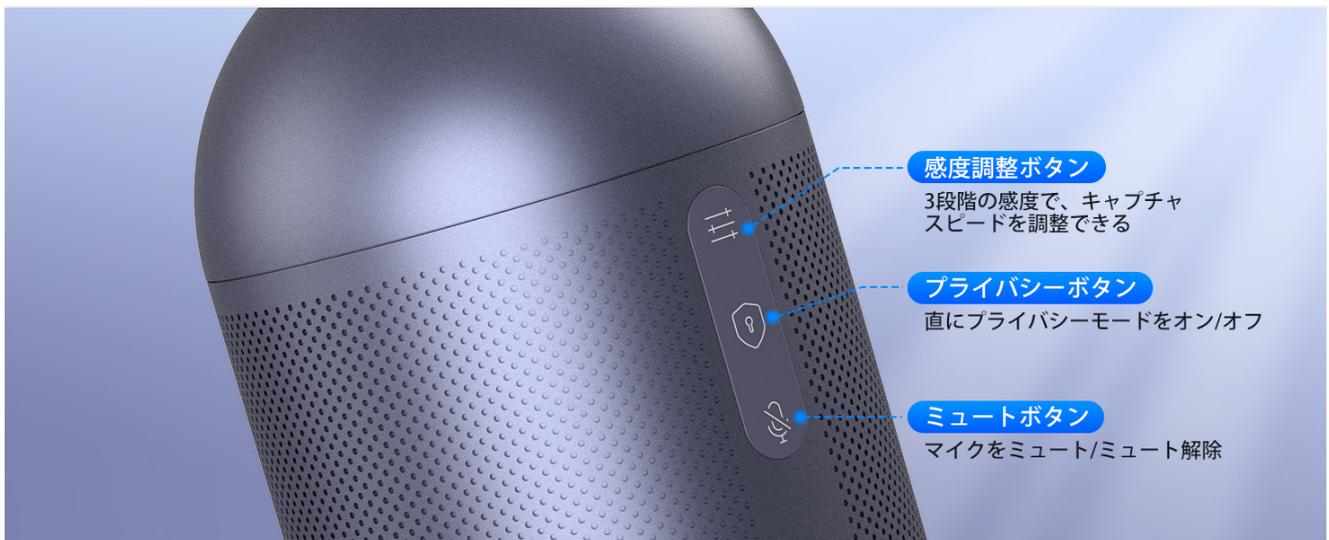

Figure 4.2: EMEETLINK software interface.

5. MODES OF OPERATION

5.1 Collaboration Mode (Using 4K Camera Only)

When using only the 4K main camera, the device operates in collaboration mode. The 360° AI auto-focus technology identifies and frames up to three main speakers, providing an immersive communication experience for remote participants.

Figure 5.1: Collaboration mode with 4K camera.

5.2 Whiteboard Mode (Using Both Cameras)

When both the 4K main camera and the 1080P sub-camera are used together, the system can activate Whiteboard Mode. The 1080P sub-camera uses AI to detect and correct the whiteboard, ensuring its content is clearly visible to remote participants. The main camera simultaneously captures the meeting participants.

Figure 5.2: Whiteboard mode in action.

5.3 Host Mode (Using Both Cameras)

In Host Mode, when both cameras are active, the system prioritizes the host, displaying them centrally on the screen. This ensures the host is clearly seen and heard by all participants, enhancing presentation clarity.

Figure 5.3: Host mode for focused presentations.

5.4 Individual Use (Using 1080P Sub-Camera Only)

The 1080P sub-camera can be used independently for individual meetings or chats. Its compact size and integrated microphone make it convenient for personal remote communication.

Figure 5.4: Individual use with 1080P sub-camera.

6. AUDIO FEATURES

The EMEET Meeting Capsule Pro is equipped with advanced audio technology to ensure clear communication:

- **10 Microphones:** Features 8 omnidirectional microphones and 2 noise-canceling microphones to capture voices from all directions while minimizing ambient noise.
- **Noise Cancellation:** Advanced algorithms suppress up to 2969 types of environmental noise, ensuring clear audio for all participants.
- **10W Hi-Fi Speaker:** Delivers clear and powerful audio, allowing remote participants to hear discussions with full fidelity, from low to high frequencies.

Figure 6.1: Microphone array for comprehensive sound pickup.

Figure 6.2: 10W Hi-Fi speaker for clear audio output.

7. PRIVACY AND SECURITY

The EMEET Meeting Capsule Pro Room Kit prioritizes the protection of sensitive information for business, government, education, medical, and legal sectors. It incorporates several features to ensure privacy:

- **Privacy Mode:** Electronically cuts off audio and video transmission from your end, preventing accidental leaks of conversation content.
- **Magnetic Privacy Cap:** A physical cap is included to block the camera lens, providing a tangible barrier against video transmission.
- **Secure USB Connection:** Employs a more secure USB physical connection, avoiding Bluetooth and Wi-Fi, which can be vulnerable to cyberattacks.
- **No Cloud Storage:** The device does not utilize cloud storage, further enhancing security by keeping data local and reducing exposure to cyber threats.

Figure 7.1: Privacy features of the Meeting Capsule Pro.

8. COMPATIBILITY

The EMEET Meeting Capsule Pro Room Kit offers broad compatibility with various operating systems and video conferencing platforms:

- **Operating Systems:** Windows, MacOS, Android, Linux.
- **Video Conferencing Software:** Zoom, Microsoft Teams, Skype, Google Meet, Cisco Webex, FaceTime, and more.

Figure 8.1: System and software compatibility.

9. MAINTENANCE

To ensure the longevity and optimal performance of your EMEET Meeting Capsule Pro Room Kit, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the devices. For lenses, use a specialized lens cleaning cloth and solution. Avoid abrasive cleaners or solvents.
- **Storage:** Store the devices in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Handling:** Handle the cameras and speakerphone with care to prevent drops or impacts that could damage internal components.
- **Firmware Updates:** Regularly check for and install firmware updates via the EMEETLINK software to ensure you have the latest features and performance improvements.

10. TROUBLESHOOTING

If you encounter issues with your EMEET Meeting Capsule Pro Room Kit, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No video output	Loose USB connection; Camera not selected in software; Privacy mode active.	Ensure USB cables are securely connected. Select the EMEET camera in your conferencing software settings. Deactivate privacy mode.
No audio input/output	Microphone/speaker not selected; Mute button active; Volume too low.	Select EMEET microphone/speaker in software settings. Unmute the device. Increase volume on the device or computer.
Poor video quality	Low light conditions; Incorrect software settings; Outdated drivers.	Ensure adequate lighting. Adjust video settings in EMEETLINK or conferencing software. Update drivers via EMEETLINK.
Whiteboard not clear	Sub-camera not positioned correctly; Whiteboard stickers not used.	Reposition the sub-camera to fully capture the whiteboard. Ensure whiteboard stickers are placed at the corners for optimal AI correction.
Device not recognized	Faulty USB port/cable; Driver issue.	Try a different USB port or cable. Reinstall EMEETLINK software to ensure drivers are correctly installed.

If the problem persists, please contact EMEET customer support for further assistance.

11. SPECIFICATIONS

Feature	Detail
Brand	EMEET
Model Name	Capsule Pro Kit
Photo Sensor Technology	CMOS
Video Capture Resolution	4K (Main Camera), 1080P (Sub-Camera)
Video Capture Format	MP4
Supported Audio Formats	AAC, PCM
Connectivity Technology	USB
Special Features	360-degree Capture, Speaker, Face Detection, AI Auto-Focus, Noise Cancellation
Lens Type	Wide Angle
Image Sensor Technology	CMOS
Communication Interface	USB
Image Stabilization	No
Form Factor	Ultracompact
Focus Feature	Auto Focus

Feature	Detail
Display Max Resolution	UHD Pixel
Aspect Ratio	16:9
Effective Video Resolution	3840 Pixels

12. WARRANTY AND SUPPORT

EMEET provides a standard warranty for the Meeting Capsule Pro Room Kit. For detailed warranty information, product registration, or technical support, please visit the official EMEET website or contact their customer service directly. Keep your purchase receipt for warranty claims.

13. PRODUCT VIDEO

Your browser does not support the video tag.

Video 13.1: An overview of the EMEET Meeting Capsule Pro Room Kit, demonstrating its features like plug-and-play setup, dual 4K lenses, 360-degree coverage, AI auto-focus for speakers, whiteboard detection, and noise cancellation. The video highlights its use in hybrid collaboration settings.