



ALF-UC1-GEN2 / ALF-WMP4
 MEDIUM TO LARGE MEETING ROOM WIRELESS CONFERENCING SOLUTION

- 
HDMI
- 
LAN
- 
DANTE
- 
USB 3.0
- 
USB 2.0
- 
USB-C
- 
HDBT
- 
SPEAKER
- 
AUDIO

The Solution

This solution provides a wireless conferencing and collaboration platform designed for medium to large meeting rooms, boardrooms, and training spaces. By combining the ALF-UC1-GEN2 wireless presentation hub with the ALF-WMP4 wireless microphone processor, users can easily share content and participate in video conferences using their own laptops while benefiting from professional room audio and video equipment.

At the centre of the system is the ALF-UC1-GEN2, a 4K wireless presentation and conferencing hub that supports AirPlay, Miracast, Chromecast, and the WirelessMedia app, enabling simple screen sharing from laptops, tablets, and mobile devices. Optional HDMI and USB-C wireless dongles provide secure guest connectivity and convenient one-touch presentation when required.

The ALF-UC1-GEN2 supports multiview display layouts, allowing up to four presenters to share content simultaneously on one display, while a fifth source can be shown on a secondary display. With dual HDMI outputs (4K60 and 1080p60), two displays can be used to show presentation content and remote participants at the same time, improving visibility within larger meeting environments.

Room audio is handled by the ALF-WMP4 wireless microphone system, supporting 1 to 4 wireless tabletop microphones positioned across the meeting table for clear voice pickup. Integrated Acoustic Echo Cancellation (AEC) ensures natural, echo-free communication during meetings. The microphones fully charge in approximately 3 hours and operate for up to 14 hours, providing reliable all-day performance.

For video conferencing, a USB PTZ conference camera such as the ALF-10XUSB delivers high-quality video capture of the meeting room.

Together, the ALF-UC1-GEN2 and ALF-WMP4 create a flexible, cable-free conferencing solution ideal for boardrooms, training rooms, and collaborative meeting spaces, delivering wireless presentation, professional audio capture, and seamless integration with conferencing platforms such as Microsoft Teams, Zoom, Webex, and Google Meet.

ALF-WMP4 Overview

The ALF-WMP4 is a compact wireless microphone processor designed for small to medium meeting rooms, delivering high-quality audio for BYOM conferencing environments. It integrates easily with platforms such as Microsoft Teams, Zoom, Webex, and Google Meet through a simple USB connection to a laptop or conferencing computer.

The system supports 1 to 4 wireless tabletop microphones operating simultaneously, allowing flexible deployment based on room layout and participant numbers. Integrated digital signal processing with Acoustic Echo Cancellation (AEC) ensures clear, natural speech and eliminates echo during meetings. The wireless microphones communicate directly with the processor, keeping the meeting table free of cables. Each microphone fully charges in approximately 3 hours and provides up to 14 hours of operation, supporting reliable all-day use.

ALF-UC1-GEN2 Overview

The ALF-UC1-GEN2 is a 4K wireless presentation and collaboration hub designed for modern meeting rooms and collaborative workspaces. It enables users to wirelessly share content from laptops, tablets, or mobile devices, eliminating HDMI cables and creating a clean, flexible meeting environment.

The system supports AirPlay, Miracast, Chromecast, and the WirelessMedia app for easy screen sharing from a wide range of devices. Optional HDMI and USB-C wireless dongles provide secure guest connectivity and one-touch presentation.

The ALF-UC1-GEN2 supports multiview layouts with up to four presenters simultaneously and features dual HDMI outputs (4K60 and 1080p60), allowing presentation content and additional meeting information to be displayed across two screens.

ALF-10XUSB2C Overview

The ALF-10XUSB2C is a professional USB conference camera designed to deliver high-quality video for meeting rooms, collaboration spaces, and BYOM conferencing environments. Compatible with platforms such as Microsoft Teams, Zoom, Webex, and Google Meet, the camera connects directly to a laptop or conferencing computer via USB, providing simple plug-and-play operation.

ALF-PA100V Overview

The ALF-PA100V is a compact public address amplifier designed for commercial audio distribution in environments such as meeting rooms, classrooms, retail spaces, and hospitality venues. It provides reliable amplification for 70V/100V constant-voltage speaker systems, making it ideal for installations with multiple distributed loudspeakers.

ALFC-606 Overview

The ALF-C606 is a 6.5-inch in-ceiling loudspeaker designed for distributed audio in spaces such as meeting rooms, classrooms, retail areas, and hospitality venues. It supports 70V/100V audio systems, making it ideal for installations with multiple speakers across larger areas.

With a low-profile grille and simple installation, the ALF-C606 delivers clear audio for speech and background music while blending seamlessly into modern interior environments.

Solution Bill of Quantities

- 1 x ALF-UC1-GEN2 Wireless conferencing system
- 1 x ALF-WMP4 Wireless microphone system
- 1 x ALF-10XUSB2C Camera
- 1 x ALF-PA100V Amplifier
- 4 x ALFC-606 Ceiling loudspeakers
- 2 x ALF-USBC-D(G2) Dongle
- 2 x ALF-HDMI-D(G2) Dongle
- 2 x ALF-HDMI 35ft HDMI Cables
- 2 x ALF-USB 2.0 USB 35ft Extension cable (optional)

Third Party Equipment

- 2 x Displays
- 2 x Display mounting bracket

Solution Use Cases

1. Medium Meeting Rooms – Hybrid Team Collaboration

In medium-sized meeting rooms, the ALF-UC1-GEN2 enables participants to wirelessly present content from their laptops using AirPlay, Miracast, Chromecast, or the WirelessMedia application. Multiple presenters can share content simultaneously using the multiview display layout, while the ALF-WMP4 wireless microphones provide clear voice pickup from participants around the meeting table. The ALF-10XUSB PTZ camera captures the entire room, allowing remote attendees to clearly see in-room participants during hybrid meetings. Dual displays can be used to separate presentation content and video conferencing windows, improving meeting visibility.

2. Large Meeting Rooms and Boardrooms

For larger meeting spaces and executive boardrooms, the system provides enhanced collaboration capabilities with multiple wireless presenters and distributed microphones. Up to four wireless microphones can be positioned across the meeting table to ensure clear voice pickup from all participants. The dual display outputs allow presentation content to be shown on one display while remote participants or additional content appear on the second display. This setup creates a professional meeting environment suitable for executive presentations, strategy sessions, and client meetings.

3. Flexible Meeting Spaces with Reconfigurable Furniture Layouts

In multipurpose rooms where table layouts and seating arrangements frequently change, the wireless nature of the system allows the space to be easily adapted without rewiring the room. The ALF-WMP4 wireless microphones can be repositioned to match different table configurations, while users can connect wirelessly to the ALF-UC1-GEN2 without requiring HDMI cables at the table. This flexibility makes the solution ideal for collaboration spaces where rooms may switch between boardroom, classroom, or open discussion layouts.

4. Training Rooms and Collaborative Workshops

In training environments or workshop spaces, the solution supports group discussions and interactive presentations. Trainers and participants can wirelessly share content from their laptops while multiple microphones capture audience questions and discussion points. The multiview presentation feature allows multiple presenters or group outputs to be displayed simultaneously, encouraging collaborative learning and interactive training sessions. The system ensures that both in-room participants and remote attendees can clearly see and hear all presenters and discussions.