



# HPS Audio Controller

With Built-In High Performance Processor

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Introducing AdonisAV HPS-Audio Controller, which is the pinnacle of conference control technology. This Digital conferencing system enables up to 128 meeting participants to engage in crisp and crystal clear voice, across the room. Designed for seamless management of conferences, meetings, and events, this system boasts unparalleled connectivity and control features to ensure smooth operations and effective communication. Equipped with four RJ-45 audio ports, this system effortlessly connects with delegate units, facilitating streamlined communication between speakers and participants. Additionally, its RJ-45 control port integrates seamlessly with Camera Tracking and Switching systems, enhancing visual presentation and content delivery. Based on embedded controlling software in all the system components, the complete system serves as a solution to achieve all audio conferencing. Experience unparalleled control, connectivity and convenience with HPS-Audio Controller: the ultimate solution for empowering productive and engaging conferences and meetings.

## Highlights and Features

- Adopt fully digital conference technology, in line with international standards.
- Built-in high-performance processor for faster processing and excellent sound quality.
- Adopts advanced TCP/IP grid-based connection between PC & HPS Audio Controller.
- AOIP interface for transmitting audio signals over the network with low latency.
- Supports Power over Ethernet (POE), with combined "signal" & "power" transmission.
- Ring architecture forms fail safe setup. Failure or replacement of one microphone doesn't affect the operation of other microphones in the system, making it more reliable.
- Hot plug & play means no need to switch of system for adding microphone access.
- Integration with HPS-CTS-41, can achieve look at me function and Video switching.
- External power supply available in case POE power supply is insufficient.
- ID Setting Management
- The housing is reinforced with ground to ensure ability to resist static electricity 8500V.
- Optional 4- inch wall controller with touch screen for system management and settings.
- Four modes of speech: Normal mode, FIFO mode, Free mode, Apply mode.
- Number of Open Microphone Options: 1, 2, 4 or 6. (Chairman & VIP Units are not Limited).
- System Volume adjustment settings for Bass, Treble and Master Volume.
- Functions available through CPU: Centralized microphone management, like microphone gain adjustment, forced on/off, and speaker information registration. Check-in function. Check microphone line status. VIP unit can be set through the software, VIP unit switch is not limited by number of open conference units and speaking mode.

## Applications

- Board Rooms, Auditoriums
- Training Rooms, Conference Halls
- Seminar Halls
- Distance Learning
- Unified Communication & Video Conferencing Applications

# Specifications

PARAMETER	SPECIFICATIONS
Frequency Response (Processor)	20 Hz – 20000 Hz
Number of Units Supported	Up to 40 Units With Additional Power Supply: Up to 128 Units
Line Output Interface	1x Balanced 6.5mm Female
S/N Ratio	>85dB
Dynamic Range	80dB
Microphone Units Interface	4x RJ-45 Interface
Control Interface	For Camera Manager Control: RJ-45 x1 (Control) For Software Control through PC: RJ-45 x1 For Wall Mount Controller: RJ-45 x1
POE	10BASE-T: Category 3, 4, 5 UTP (≤100m) 100BASE-TX: Category 5 & above UTP (≤100m)
POE Standard	IEEE 802.3af, IEEE 802.3at
POE Power	60W non-isolated
AOIP	2-Channel, Plug-and-Play, Auto-Discovery Device
Speed	100/1000 Mbps
Sampling Rate	48K
Controls Knobs	Software Based & Optional 4" Touch Panel
Architecture	Ring Type
Power Input	POE+, AC100-240V
Static Power Consumption	Power Supply 4W, POE Power Supply 8W
Heat Dissipation	Natural Convection Heat Dissipation
Control Interface (Optional)	4.3" Touch Screen Control. Voltage 24V, Works Up To 90 Meters
Thermal Harmonic Distortion	>0.1%
Operating Temperature	-10° C to 50°C
Humidity	5 to 85%
Power Supply (AC)	~110V/60Hz or ~230V/50Hz
Weight	3500 Gm
Dimensions (W x D x H)	430 x 235 x 44 mm
Installation	Rack Mountable and Desktop. 1U Height
Accessories (In the Box)	HPS - Audio Manager, Operation Manual, RJ-45 Cable x1, Power Cable

**Standard Warranty: 1 Year Standard Warranty Against Manufacturing Defects**

#### Related Products:

- (1) HPS Video Manager HPS-CTS-41
- (2) HPS Tabletop Boundary Layer Microphone (HPS-TB-01)
- (3) HPS Table Embedded Gooseneck Microphones (HPS-eGM-230, HPS-eGM 415)
- (4) HPS Table Embedded Boundary Layer Microphone (HPS-eBM-01)
- (5) Junction Box (HPS-MCB-22)
- (6) HPS-Microphone Array Chairman Unit (HPS-MA-17C)
- (7) HPS-Microphone Array Delegate Unit (HPS-MA-17D)
- (8) HPS Hideaway Array Chairman Unit (HPS-HMA-17C)
- (9) HPS Hideaway Array Delegate Unit (HPS-HMA-17D)
- (10) Wall Touch Controller (HPS-WTC-A4)
- (11) Control Extension Cable (HPS-EC-10, HPS-EC-15, HPS-EC-20, HPS-EC-25)



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