

# RAV™ 600 and 900

## Business Conferencing Systems



The ClearOne RAV™ 600 and 900 are complete business audio conferencing systems that provide superior audio, full-room microphone and loudspeaker coverage and easy tabletop control for improved group conferencing.

### A NEW WAY TO CONFERENCE

ClearOne, the leader in professional audio conferencing, presents a new type of conferencing system — the ClearOne RAV 600/900.

The RAV 600/900 combines the sound quality and flexibility of an installed system with the simplicity of a conferencing phone for the ultimate group conferencing experience. This unique, plug-and-play system, complete with microphones, loudspeakers and a wireless control interface, is a very affordable way to add high-quality conferencing capabilities to any meeting room.

With the RAV system's superior audio and sound distribution, you'll achieve a level of efficiency, collaboration and productivity you've never experienced with a conference phone. Decisions are made more quickly, ideas are shared more easily and participants can interact as though they are all gathered around the same meeting-room table.

The RAV 600/900 also fully integrates with video and web conferencing systems, allowing you to easily improve the audio quality in these meetings.

### RAV BUSINESS CONFERENCING SYSTEM

The RAV solution is a complete business audio conferencing system that includes all the components you need.

#### RAV 600

Audio mixer  
2 microphone pods  
2 loudspeakers  
(ceiling or wall-mount)  
1 tabletop controller  
RAV-Ware set-up software

#### RAV 900

Audio mixer  
3 microphone pods  
2 loudspeakers  
(ceiling or wall-mount)  
1 tabletop controller  
RAV-Ware set-up software

### KEY BENEFITS

#### Reduces Total Cost of Ownership

The plug-and-play design of this affordable audio system ensures minimal installation, training and maintenance costs. And remote upgrade capability guarantees you can always take advantage of ClearOne's technical innovations.

#### Easy to Install and Use

Simply connect the loudspeakers, microphones and use RAV-Ware™, application software, to make level adjustments and automatically configure settings for additional equipment such as video codecs and recording devices.

#### Superior Audio Performance

Features full-duplex, echo-free audio for outstanding audio clarity and 360-degree microphone pods to ensure accurate audio pick-up from any location in the room.

#### Remote System Management

RAV 600/900 supports all common network control and management protocols, making it an easy addition to your corporate LAN. Once connected, you can remotely upgrade unit firmware and access system status and programming to quickly identify and resolve problems with minimal customer impact.

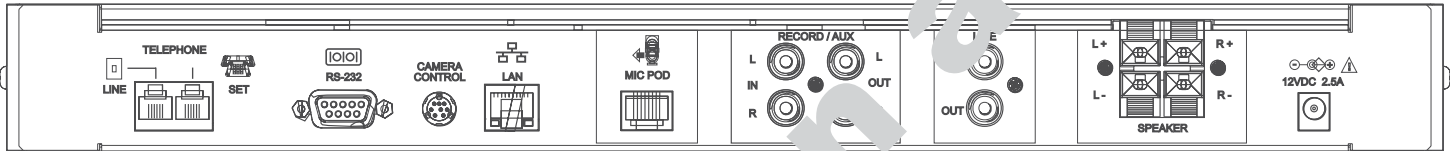
**ClearOne**  
You're Virtually There<sup>SM</sup>

# PRODUCT BRIEF

## PRODUCT FEATURES

- ▶ **Gentner® Distributed Echo Cancellation®** eliminates echo and leaves clear, highly intelligible audio for effective, interactive conferences
- ▶ **Noise Cancellation** improves audio clarity by reducing background noises that are transmitted to the far-end
- ▶ **Wireless Tabletop Controller** for simple conference control with a 50' range that requires no direct line of sight
- ▶ **Full API** for using AMX or Crestron control devices
- ▶ **Mics** provide 360° audio pickup so everyone can be heard
- ▶ **Loudspeakers** are available in either ceiling or wall-mount models and ensure even sound distribution so everyone can hear clearly
- ▶ **RAV-Ware** drag and drop configuration software makes it easy to configure and use your system
- ▶ **Voice Tracking Mode** allows camera presets to be triggered by microphone activation
- ▶ **Ethernet Access** to remotely view and monitor RAV units on the network, make system changes and troubleshoot

## BACK-PANEL DIAGRAM



## PRODUCT SPECIFICATIONS

### Dimensions

tbd

### Weight

tbd

### Environmental

Operating Temp: 32 to 122 Degrees F  
Humidity: 15 to 80%

### Power Supply

Primary Voltage: 100 to 240 VAC Autosensing  
50-60 Hz  
Secondary Voltage: 12 VDC  
Wattage: 25 Watts  
Average Current: 2 Amps  
Connection: Positive Center/Grd Shield

### Microphone Pod

Coverage: 360 degrees  
Connection: RJ-45 with Cat. 5, Link In/Out Ports  
Max Distance from Base Mixer: 50' (RAV 900),  
75' (RAV 600)  
Frequency Response: 20 Hz to 15 kHz  
THD: >.03  
Sensitivity: -45 dBu  
Noise Floor: -80 dBu

### Line Input

Connection: Unbalanced RCA  
Gain: 0 dBu to 19 dBu  
Frequency Response: 20 Hz to 15 kHz  
Noise Floor: - 80 dBu  
THD- >.03  
Impedance: 10 kOhm

### Line Output

Connection: Unbalanced RCA  
Level: -10 dBu nominal, adjustable from -15 to +5  
Frequency Response: 20 Hz to 15 kHz  
Noise Floor: -80 dBu  
THD: >.03  
Impedance: 10 kOhm

### Record/Aux Input

Connection: Unbalanced RCA  
Gain: 0 dBu to 19 dBu  
Frequency Response: 20 Hz to 15 kHz  
Noise Floor: -80 dBu  
THD: >.03  
Impedance: 10 kOhm

### Record/Aux Output

Connection: Unbalanced RCA  
Level: -10 dBu nominal, adjustable from -15 to +5  
Frequency Response: 20 Hz to 15 kHz  
Noise Floor: -80 dBu  
THD: >.03  
Impedance: 10 kOhm

### Loudspeaker

Connection: Push terminals with left and right  
Power: 15 Watts into 4 Ohm load  
Impedance: 6 to 8 Ohm  
Noise Floor: -60dB  
Frequency Response: 50 Hz to 16 kHz  
SPL:

### Telephone Interface

Connection: RJ-11 (Set and Line jacks)

Tail Time: 30 ms

Frequency Response: 250 Hz to 3.3 kHz  
Noise Floor: -60 dB  
THD < .2%

### Communication I/O

10/100 Ethernet Control Port:  
RJ-45 with LED Indicators

RS-232 Control Port:  
DB9, 38.4 Kbaud, CTS/RTS

VISCA™ Camera Port:  
DIN, 9600 baud, No Flow Control

USB 1.1 Configuration Port:  
Slave Port

### Part Numbers