



IP ROOMCONTROL™

- SIMPLIFY FACILITIES MANAGEMENT
- ON-SCREEN ROOM CONTROL
- HARDWARE INDEPENDENCE

ROOM MANAGEMENT FEATURES

- Control all A/V equipment
- Provides a convenient Web-based interface for the construction and layout of the organization's sites, buildings, rooms and devices within the room
- Integration of permissions and roles with Microsoft Active Directory, Novell eDirectory and LDAP
- A convenient grid-style approach allows a non-technical user to populate a building, rooms and equipment quickly
- Building / Room data may be imported using a batch text or tab delimited file, or input manually into the system
- In addition to projectors and display devices, all other remote controllable devices in the room may be catalogued (e.g. PC's over Windows Remote Desktop, PC's/Mac's over VNC, HP JetDirect printers, Wireless Access Points, switches and routers, etc.)
- Ability to delegate permissions for control of a given site/building/room to certain accounts

MediaCAST IPController™ with Audio Amplifier & IP RoomControl Enterprise Software enhance audio/visual environments

The IPController with integrated audio amplifier is designed to enhance classrooms, conference rooms and other presentation environments. It provides IP based control of audio and visual equipment with audio enhancement.

The non-proprietary architecture provides for control of both RS232 controllable and IR controllable equipment across manufacturer and models. This solid-state device is connected to the existing IP network through one 100/1000MB port and controlled over TCP/IP through a web interface.

These devices together with the **MediaCAST™ IP RoomControl™** application, provide a scalable and flexible solution for local, user-control of equipment and remote IT management of room equipment.

Scenario A: Basic classroom environment may have a projector, document camera and VHS/DVD deck. The projector is controlled over RS232, the document camera and VHS/DVD deck through IR.

This equipment is connected to the IPController and, in turn, controlled over the IP network through the web interface. A presenter has the ability, through an on-screen virtual remote, to turn on the projector and switch to the correct input for their presentation.

All the classrooms may be scheduled to automatically be powered down at a certain time or remotely turned-on to receive a special all-call broadcast.

Scenario B: A more advanced classroom may consist of the equipment in Scenario A plus a presenter's microphone, room speakers and intercom integration. The enhanced audio amplification and switching provides an integrated and easy-

to use solution for presenters to use the room with little advanced instruction.

The presenter clicks a button on their computer and the projector automatically turns on, switches to the laptop input, and the audio is switched to the laptop and the microphone input is activated. The presenter shows a video clip and as she explains it her microphone audio is heard along with the video's audio from the laptop.

If an external intercom announcement comes through it can override the active audio and mute those sources. After a short delay with no audio coming over the intercom, it automatically reverts back to the previous audio sources.

IP Controller With Audio

- Small form-factor IP to RS232 and IR control device
- Embedded web server for remote configuration over IP with TCP/IP, HTTP
- IP control of integrated RS232 port for switching and control of devices including projectors, LCD panels and other A/V equipment
- IP control of integrated IR ports for switching and control of devices including lights, document cameras, PTZ cameras, motorized screens and other A/V equipment
- Stereo audio output amplified for directly driving loud speakers
- One input provides Intercom audio input detection and clipping function of other active input sources
- Microphone input mixing with other active audio inputs can be enabled or disabled
- Built-in short circuit and thermal override protection
- Dimensions: 9 ¼" w x 2 ¼" d x 1" h

IP ROOMCONTROL™ ENTERPRISE SOFTWARE

Functions & Features

- Web-based application for centralized control of audio/visual equipment
- Supports IP to RS232, IR and SNMP control protocols
- Integrates with the MediaCAST system and Kiosk Central for initiating all-call and emergency broadcasts
- Support an unlimited number of rooms, IP controller devices, equipment catalogs, control codes and virtual desktop remotes
- Support control of multiple manufacturer IP to RS232/IR devices in a non-proprietary fashion
- System must provide control of different brands of projectors and LCD displays across brand, make and model
- System must provide control of different manufacturers of audio and video equipment including but not limited to VCR/DVD players, document cameras, motorized projection screens, lights, motorized projector mounts, door/window actuators, etc.
- System must provide control of set-top IP video streaming devices to initiate control commands for attached displays and content broadcasts
- Includes ability to initiate all-call and emergency mode events to IP/RS232 control devices, to set-tops and to instructor computer stations
- Access room status and reports through the web-interface based on user authentication and permission
- Initiate immediate control events and scheduled control events (i.e. turn all rooms in a building off at 4:30 pm daily and then turn the same rooms on 8:30 am every M/W/F; switch projector to classroom computer input, set volume and initiate all-call broadcast of morning announcements to the classroom computer for 5 minutes; then, turn everything off)
- Scheduled events must support one-time events, multiple events and recurring dates and times
- Set remote event commands for multiple locations over the LAN/WAN and Internet
- Monitor room display inputs for remote troubleshooting
- View room usage statistics for replacement and maintenance scheduling

Virtual Desktop Remote

- Flash-based, drag-and-drop, virtual on-screen remote control
- Customizable equipment icons and buttons
- Client must have ability to add customized equipment icons and buttons to brand their system; No limit to number of buttons and icons in design toolbox
- Assign button and icon labels per virtual remote layout
- Multiple tabs on virtual remote to organize equipment and buttons by equipment or application
- Multiple user permission levels define operator or design modes
- Select room to control from easy-to-navigate building and room list
- Apply one virtual remote layout to one, many or all rooms
- On-screen virtual remote templates can be saved, exported and imported
- User preference setting for “home” room upon login
- Control room from Windows PCs and Macintosh PCs from browser
- No client/server application software required to be installed on the room computer
- Supports using Internet Explorer, Firefox and Safari browsers
- Supports use of virtual remotes on touch screens
- Remotely access a room's virtual remote from anywhere on the LAN/WAN and Internet

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