

# ControlKom™



ControlKom from Atlas Sound is an exciting new IP based technology solution that provides nearly unlimited flexibility for paging and notification systems in K-12 education, collegiate, health care, manufacturing and corporate applications.

## *IP Network Based*

- Deploy rapidly - Utilizing an existing data network, connecting your facilities and adding paging, text, and controls takes very little time
- Perfect for district wide and local campus communications including weather related notifications, as well as duck and cover, and lockdown situations
- Get your message out quickly and reliably - whether recorded or live, it can be broadcast in less than 20 seconds to an unlimited number of IP speakers, computer screens, and overhead paging systems
- Network time server synchronized clocks – Require no maintenance or budget for additional hardware; perfect for daylight savings and schedule changes
- Power over Ethernet (PoE) - Speakers can be placed anywhere network access is available

## *System Control & Security*

- Programming, configuration and system supervision can be administered from multiple locations via the Graphical User Interface (GUI) from any secure LAN location or outside the network through VPN
- Multi-user management, configurable security access level for bell scheduling, notifications, changing zone assignments, etc...
- Facilitates communication with campus personnel - in K-12 applications, district personnel can broadcast to the entire district, campus, building, zone, classroom, even an individual IP speaker
- Multiple, simultaneous schedules can be broadcast within the same facility - have one bell schedule for kindergarten and other schedules for other grade, each schedule can have different tones and played only in the designated classrooms
- Flexible bell tones - broadcast recorded tones, music, or audio clips as part of your schedule

## *Additional Communication & Control Options*

- Desktop Agent – audible messages can generate simultaneous computer screen text messages, alerts can be sent audibly or silently to individual computer screens or user groups
- Integrate building control and communications – software plug-in DORA (Direct Observation Real-time Alerting) can be integrated with existing safety and security systems providing additional notification and messaging



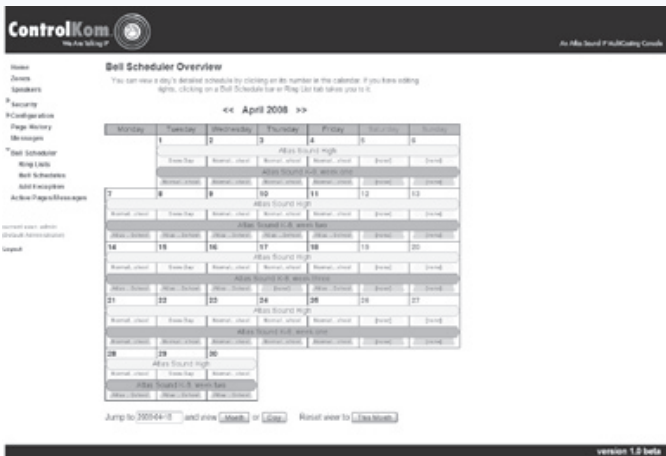
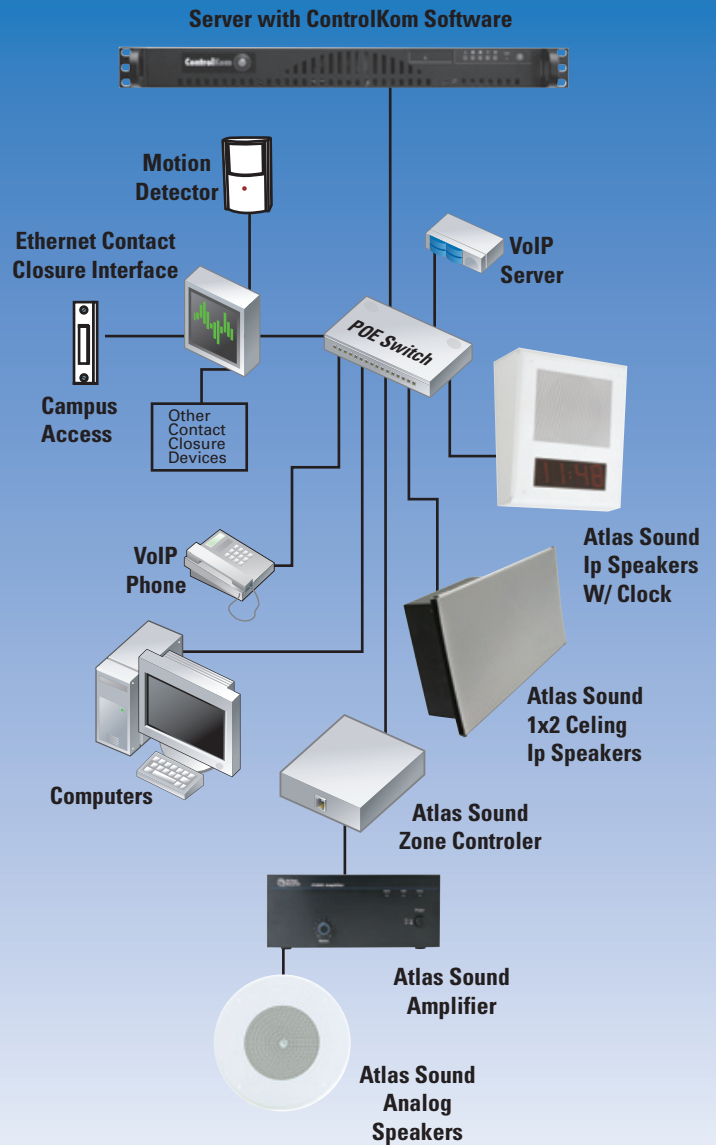
With ControlKom, live, prerecorded or ad hoc messages along with control data may be sent over existing or new multicast enabled local area networks to Atlas Sound IP Speaker and zone controller end points powered by AF compliant POE switches (or local DC power). This software / hardware combination provides a true "one wire" network audio solution reducing the initial cost and eliminating long term maintenance of separate paging / intercom systems. ControlKom employs standard TCP/IP network protocols and DHCP for speaker IP address assignment making it the industry's first true IP based paging solution.

ControlKom is easily interfaced with any VoIP or analog PBX phone systems (analog extension output or ATA required). Configuration of the server based ControlKom software is accomplished via an intuitive web interface. This interface allows the administrator to easily define user privileges, loudspeaker zones, pre recorded messages and other system. ControlKom then provides the user with voice prompt instructions for message type (live or ad hoc) and desired broadcast zone destination.

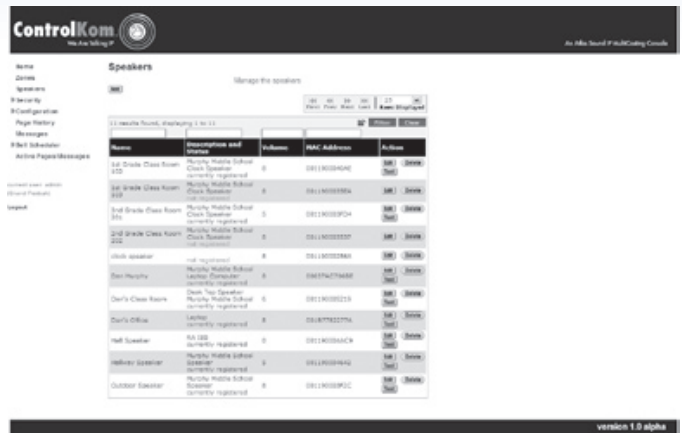
ControlKom software distribution is limited to dealers who complete training requirements. Contact Atlas Sound for details.

### Hardware Requirements

- Windows™ 2000 or 2003 Pentium-class server
- 2.5 GHz processor and 1 GB RAM
- Multicast-enabled network
- Atlas Sound IP Speakers and Zone Controllers



**ControlKom Bell Scheduler**



**ControlKom Speaker Setup Screen**

Atlas Sound offers a comprehensive selection of loudspeaker products to compliment ControlKom™ and Informacast® (Cisco®) software deployments in K-12, Campus wide notification, Civil / Municipal, Industrial, and Health Care applications. In complex zone paging scenarios IP speakers are often more economical than traditional paging speakers.

### I8S

Basic IP Speaker for wall mount use in classrooms, hallways & corridors (interior only).

- Efficient 8" paper cone loudspeaker
- Durable white powder coat steel grill



**I8S / I8SM**

### I8SM

Same as I8S but with built in microphone.

- High quality mic off axis of loudspeaker minimizes feedback
- Use for 1/2 duplex communication with InformaCast PTT feature only



**I8SC / I8SCM**  
(Shown with SEA-I8SC Enclosure)

### I8SC

Same efficient 8" paper cone speaker as I8S.

- Durable powder coat steel grill
- Bright, 5 Character LED Display

### I8SCM

Same as I8SC with built in microphone.

IP Speakers provide a better solution than "phone only" paging by increasing intelligibility in high noise areas and using targeted dispersion to aim sound where it truly needs to be heard. Devices are easily configured in ControlKom™ or Informacast® software. Network input is made with a standard RJ45 connection.

### I128SYS

1' x 2' "Drop In" tile replacement speaker system.

- Simple "cut & drop" installation
- 2' x 2' or 2' x 4' tile
- Integral enclosure
- Efficient 8" paper cone loudspeaker



**I128SYS**

### I128SYSM

Same as I128SYS with built in microphone.



**IHVP**  
(Shown with SEST-IH Enclosure)

### IHVP

Vandal resistant IP speaker.

- Weather Resistant Cast aluminum / stainless construction
- Efficient (104 dB 1 W / 1 M) APF series horn
- Conformally coated board for durability

### Enclosures for IP Speakers

For installation flexibility a variety of IP speaker enclosure options are available in surface mount straight (SEST), surface mount angled (SEA) and flush (FEST) versions. Construction is 20-gauge CRS. Options for weather resistant IHVP model include 18-gauge stainless steel flush (FEST) and surface mount straight (SEST) only. All surface mount units are finished in durable white electrostatic powder coat.

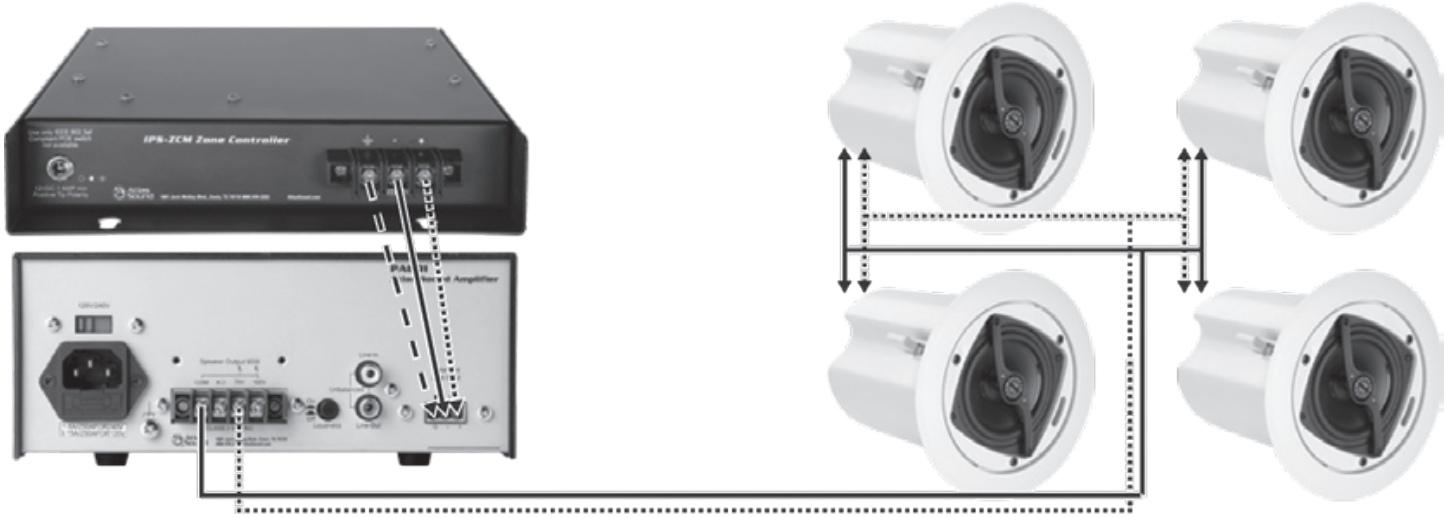
Model	Speaker Size / Type	Sensitivity	Frequency Response	Dispersion	Height	Width	Depth	Surface Mount Enclosure - Angled	Surface Mount Enclosure - Straight	Flush Mount Enclosure - Straight
I8S	8" (C10A) (20.3 cm)	94 dB	86 Hz – 9 kHz	52.5°	11½" (292.1 mm)	11½" (292.1 mm)	4¼" (106.9 mm)	SEA-I8S	SEST-I8S	FEST-I8S
I8SM	8" (C10A) (20.3 cm)	94 dB	86 Hz – 9 kHz	52.5°	11½" (292.1 mm)	11½" (292.1 mm)	4¼" (106.9 mm)	SEA-I8S	SEST-I8S	FEST-I8S
I8SC	8" (C10A) (20.3 cm)	94 dB	86 Hz – 9 kHz	52.5°	14¾" (365.3 mm)	12¾" (327.2 mm)	2.99" ( 75.6 mm)	SEA-I8SC	SEST-I8SC	FEST-I8SC
I8SCM	8" (C10A) (20.3 cm)	94 dB	86 Hz – 9 kHz	52.5°	11½" (292.1 mm)	11½" (292.1 mm)	4¼" (106.9 mm)	SEA-I8SC	SEST-I8SC	FEST-I8SC
I128SYS	8" (C10A) (20.3 cm)	94 dB	86 Hz – 9 kHz	52.5°	11½" (292.1 mm)	11½" (292.1 mm)	4¼" (106.9 mm)	—	—	—
IHVP	7" (APF-15) (17.78 cm)	104 dB	600 Hz – 14 kHz	90°	11½" (292.1 mm)	11½" (292.1 mm)	4¼" (106.9 mm)	—	SEST-IH	FEST-IH

## Zone Controllers

Atlas Sound Zone Controllers allow simple integration of legacy systems with IP speaker control software. Single or dual zone versions typically rack mount in MDF / IDF locations and interface with existing or new Atlas Sound amps and traditional 70.7V loudspeakers. Output is balanced allowing simple twisted pair connection to amplifier. IPS-ZC1 includes single zone controller module & rack mount kit. IPS-ZC2 includes 2 zone controller modules & rack mount kit. Network input is via standard RJ45 connection. For applications without AF Compliant POE switches use optional power supply model IPS-PSU.

Typical IPS-ZC1 Zone Controller Application

Shown with Atlas Sound PA601 amplifier and FAP40T loudspeakers. (Not Included)



**IPS-ZC1**  
(Shown with Rack Mount Attached)



**IPS-ZC2**  
(Shown with Rack Mount Attached)

