



ControlKom™



Complex Problems

I need an IP based solution for district wide messaging and announcements.

I need centralized control of clock and bell schedules for my local campus and district wide with secure access from any computer.

I need a reliable method to ensure campus Safety and Security that easily integrates with existing telephone and public address systems.

Atlas Solutions

ControlKom™ Software by Atlas Sound

ControlKom seamlessly interfaces with any VOIP or legacy telephone system directly via SIP or a simple analog telephone interface. This provides a familiar, secure and password protected interface for initiating pre-recorded alerts or making a live page. The system is infinitely scalable - an unlimited number of schools within a district can be controlled over the network via a single server.

The system easily interfaces with any VoIP system via SIP or analog telephone systems to provide password protected user access for making announcements or other system adjustments.

Live or pre-recorded messages may be broadcast to an entire district, campus, building, zone, classroom, or individual IP speaker. In emergency situations such as school lockdown or weather events, specific pre-recorded instructions are easily triggered from a web browser, contact closure or Ethernet script.

Atlas Sound IP Speakers

The industry's first true IP based paging solution to use standard TCP/IP network protocols and DHCP for speaker IP address assignment.

Atlas Sound offers a comprehensive selection of loudspeaker and zone controller products to complement ControlKom™ software deployments. Speakers are powered via PoE to deliver 9 watts of audio output to either a cone transducer or re-entrant horn. Models are available with optional high-resolution LED clock displays and/or built in microphones to provide duplex communication directly to telephones. Zone controllers allow easy integration of legacy analog systems.

ControlKom software and IP speakers from Atlas Sound have been specified and deployed in multiple K-12, Higher ED, health care, manufacturing and corporate applications. Reliability is proven with over 15,000 Atlas Sound IP speakers now in use worldwide!



Case Study

We started installing the InformaCast system as our bell, clock, and PA system for five schools last summer. Since then we have deployed approximately 250 IP clock-speakers and another 100 exterior zone speakers at these five schools. We installed the speakers in late August with no experience and had the system up and running in three days at all five schools. We had a Single Wire engineer and one of our Cisco engineers here on site to make this happen. My staff took care of networking, VLANs, etc. The zone controllers and exterior zone speakers came next and were done by the end of September.

Since November 2005 the only changes to our five schools systems have been to modify bell schedules and speaker volume levels in particular classrooms. All of these adjustments were done online via the web interface.

We are now ordering 5 more schools worth of zone controller/speaker systems. We do not hesitate to recommend this system. Since November, we have experienced zero down time and zero field service calls at the first five schools.

We have found the bell-clock-PA system cost effective as well. We believe that compared to installing a traditional analog system in new or modernization construction, we save approximately 50% of the cost of another brand's analog system, primarily in the areas of conduit, cabling, and installation. By eliminating the twisted pair cable, solid core copper (clock) cable, and conduit infrastructure for both clock and speaker systems, we save at least \$50 - \$60K per school (and I believe this figure is conservative).

Jon Threshie, Director of Technology San Ramon Valley Unified School District

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



Remote access to the ControlKom system via wireless LAN makes system deployment and tuning a breeze.

ControlKom An Atlas Sound IP Multicasting Console

Bell Scheduler Overview

This tool lets a day's detailed schedule by clicking on its number in the calendar. If you have editing rights, clicking on a Bell Scheduler bar or Pop Out bar below gives you it.

<< April 2008 >>

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

Jump to 2005-4-1 and view [Week](#) or [Day](#). Reset view to [1 Day](#).

version 1.0 beta

ControlKom Bell Scheduler

ControlKom An Atlas Sound IP Multicasting Console

Speakers

Manage the speakers.

Name	Description and Location	Address	MAC Address	Action
1st Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
2nd Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
3rd Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
4th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
5th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
6th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
7th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
8th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
9th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
10th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
11th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
12th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
13th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
14th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
15th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
16th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
17th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
18th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
19th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
20th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
21st Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
22nd Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
23rd Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
24th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
25th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
26th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
27th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
28th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
29th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
30th Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set
31st Zone Clock Room	Murphy Middle School Classroom	0	08:10:000000	Set

version 1.0 alpha

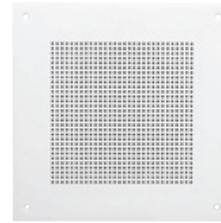
ControlKom Speaker Setup Screen

Atlas Sound offers a comprehensive selection of loudspeaker products to complement 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 grille



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

Same efficient 8" paper cone speaker as I8S.

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



I8SC / I8SCM / I8SCH
(Shown with SEA-I8SC Enclosure)

I8SCH

Same as the I8SC with APF Series Compression Driver

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

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



IHVP
(Shown with SEST-IH Enclosure)

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.

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.

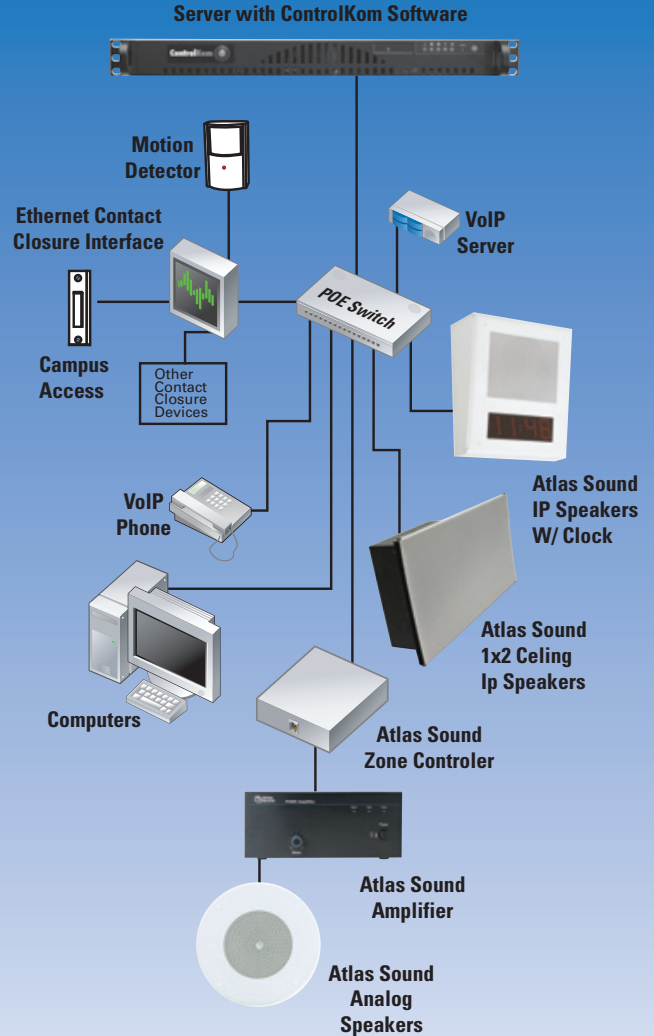


IPS-ZC2
(Shown with Rack Mount Attached)



IPS-ZC1
(Shown with Rack Mount Attached)

IP Solution for District Wide Message Broadcast



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
I8SCH	7" (APF-15) (17.78 cm)	104 dB	600 Hz - 14 kHz	90°	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



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