Atlas Solutions

Enhancing The Intelligibility Of The Spoken Word

ControlKom™ 2.0

IP Based Paging, Intercom and Emergency Messaging Over Your Existing Network and Phone System

9:45

Atlas Sound

ISO9001
–CERTIFIED–

UL REGISTERED FIRM

ATLASSOUND.COM

1601 Jack McKay Blvd., Ennis, TX 75119 U.S.A. 800.876.3333

ControlKom™ 2.0 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 lock down or weather events, specific **pre-recorded instructions** are easily **triggered from a web browser, contact closure or Ethernet script.**

Features and Benefits

- **Easy Integration**

  ControlKom seamlessly interfaces with any **VoIP via SIP, or analog PBX via analog telephone adaptor** (ATA) providing a familiar and secure interface for paging and intercom functionality.

- **Scalable**

  Multiple sites with IP endpoint deployments may be **controlled across the WAN** via ControlKom.

- **Forward and Backward Compatible**

  Include legacy intercom systems from Rauland®, Dukane®, Telecore® and others with DTMF zone selection along with new sites that contain IP speaker or Zone Controller endpoints.

- **The Core of Your Emergency Messaging System**

  Send **live or prerecorded audio** and/or text messages to IP Clock Speakers, Desktops, Email, Facebook and Twitter recipients. **Trigger these messages remotely** from any browser, 3rd party control systems or even simple contact closures.

- **Supervision and Event Logging**

  Notification group activity, schedule activity, text message activity and web interface log in activity are all logged and can be easily viewed within the GUI.

- **Centralized Control For Bell and Message Schedules**

  Make changes to bell & message schedules remotely while providing full customization for bell tones at each site. **Choose from a pre-loaded library of tones or create your own.** Additionally, IP clock speaker endpoints are synchronized with the system to ensure accurate time and maintenance free daylight savings time adjustments.

- **No Multicast Requirement for Small Deployments**

  Utilizing the Atlas Sound paging relay **messages may be streamed via unicast** to individual sites and rebroadcast across the LAN to IP endpoints.

- **Exceptional System Redundancy**

  "Hot Standby" allows full system back-up and **immediate fail over redundancy** in the unlikely event of a primary server failure.

- **Weather Alerts**

  Integrate emergency alert groups with the National Weather Service and deliver localized weather alerts (Warnings, Watches and/or Advisories). **System also can sync with CodeAmber.org to deliver Amber Alerts.**
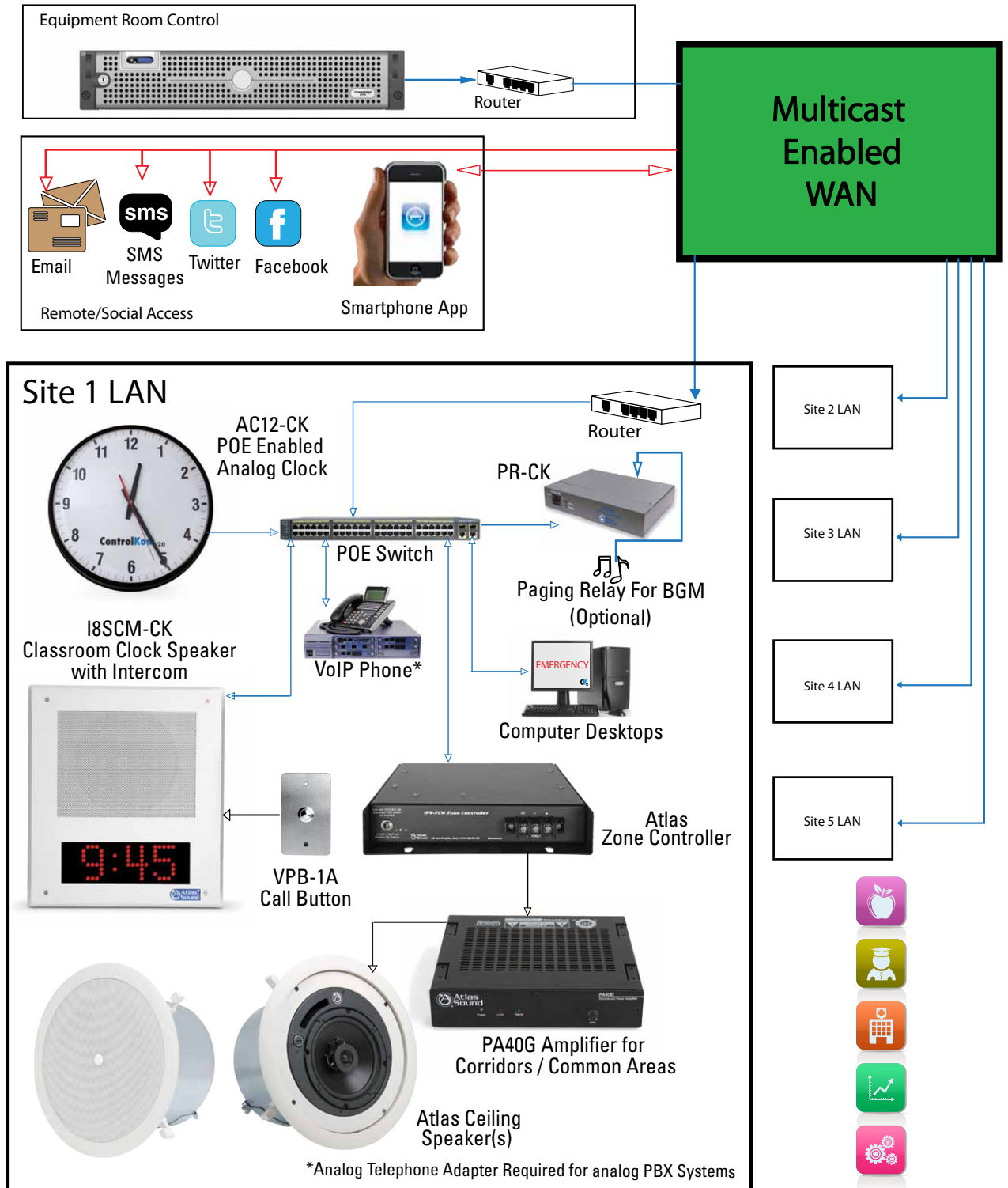
- **Troubleshooting**

  Create a trouble report for your site directly from the GUI, which is then transmitted to Atlas Sound containing all your system configuration settings to expedite diagnosis.

ControlKom™ 2.0
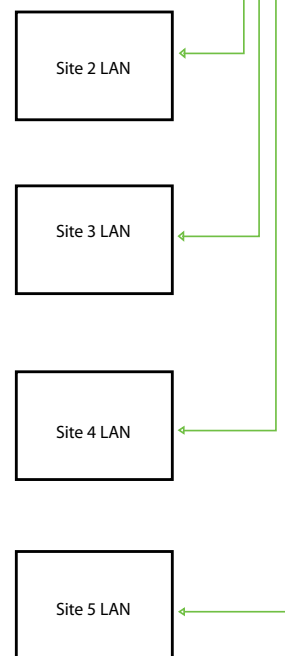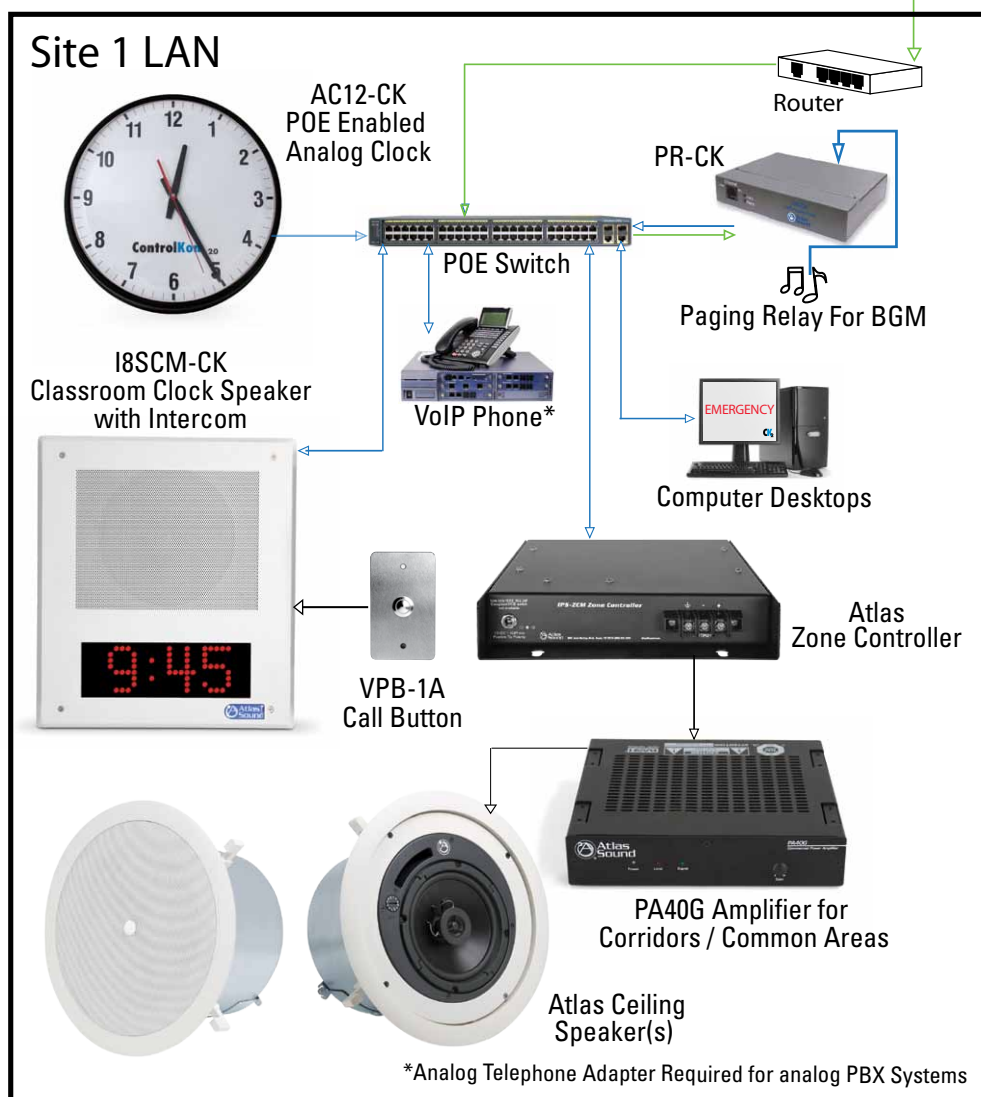
Atlas Sound

Multiple Site Deployment

Multicast Enabeld Wide Area Network

Equipment Room Control

Router

Multicast Enabled WAN

Email · SMS Messages · Twitter · Facebook

Smartphone App

Remote/Social Access

Site 1 LAN

AC12-CK
POE Enabled
Analog Clock

Router

Site 2 LAN

PR-CK

Site 3 LAN

POE Switch

Paging Relay For BGM
(Optional)

Site 4 LAN

I8SCM-CK
Classroom Clock Speaker
with Intercom

VoIP Phone*

EMERGENCY

Computer Desktops

Site 5 LAN

9:45

VPB-1A
Call Button

Atlas
Zone Controller

PA40G Amplifier for
Corridors / Common Areas

Atlas Ceiling
Speaker(s)

*Analog Telephone Adapter Required for analog PBX Systems

Multiple Site Deployment

Unicast Enabeld Wide Area Network

Equipment Room Control

Router

Unicast WAN

Email

SMS Messages

Twitter

Facebook

Remote/Social Access

Smartphone App

Site 1 LAN

AC12-CK POE Enabled Analog Clock

Router

PR-CK

POE Switch

Paging Relay For BGM

I8SCM-CK Classroom Clock Speaker with Intercom

VoIP Phone*

EMERGENCY

Computer Desktops

VPB-1A Call Button

Atlas Zone Controller

Site 2 LAN

Site 3 LAN

Site 4 LAN

Site 5 LAN

PA40G Amplifier for Corridors / Common Areas

Atlas Ceiling Speaker(s)

*Analog Telephone Adapter Required for analog PBX Systems

ControlKom™ 2.0

Atlas Sound

Single Site Deployment

Server Running ControlKom 2.0

ControlKom 2.0
Smartphone App

Email

SMS
Messages

Twitter

Facebook

AC12-CK
POE Enabled
Analog Clock

PR-CK

POE Switch

Paging Relay For BGM

I8SCM-CK
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Computer Desktops

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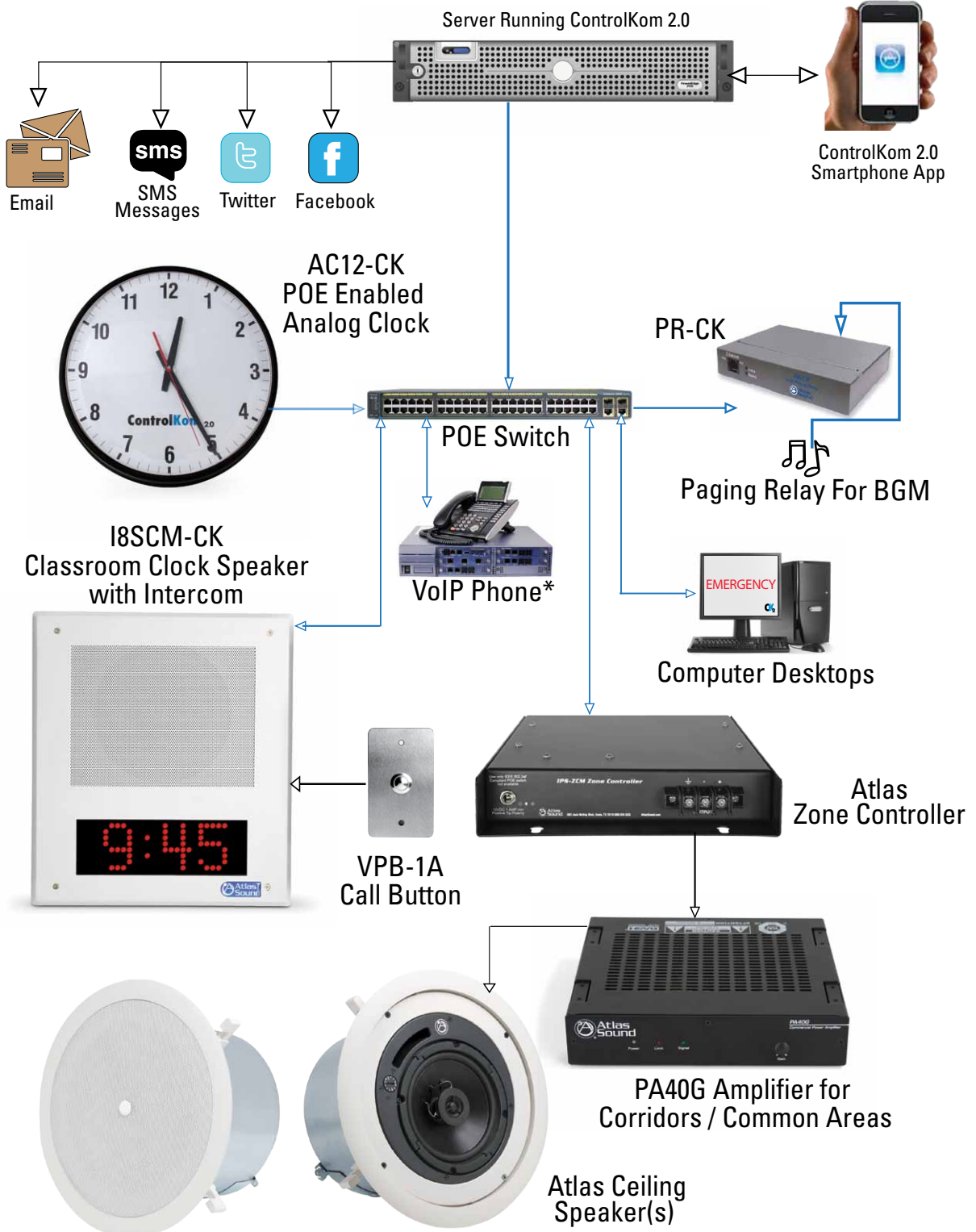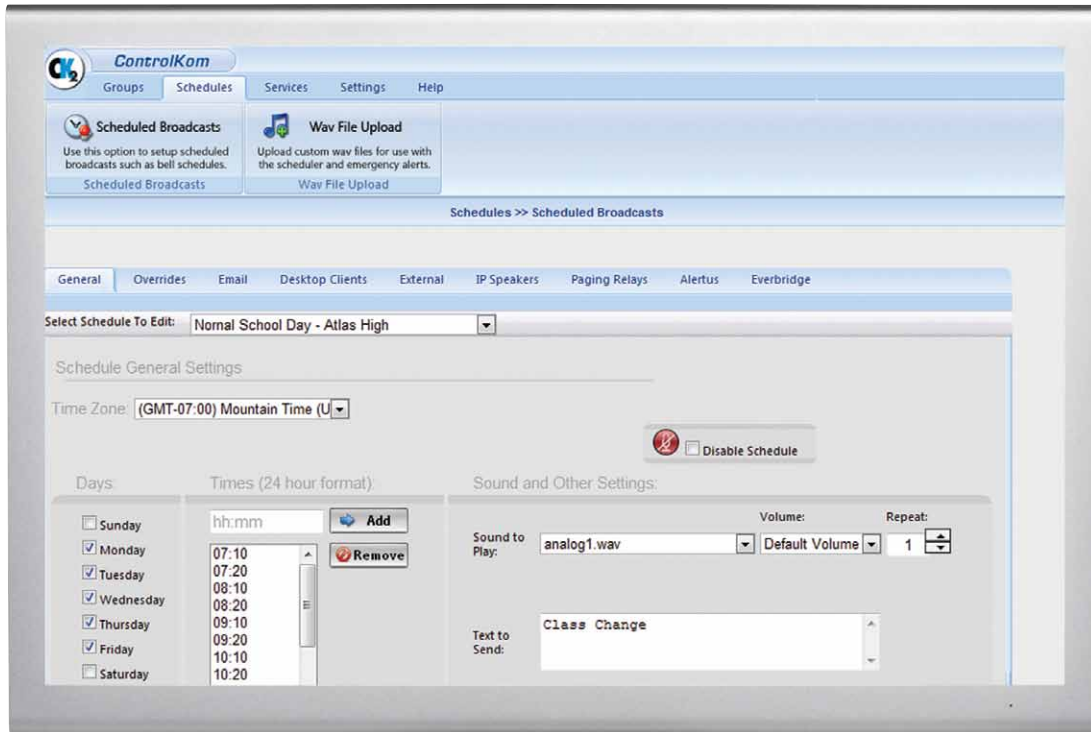
*Analog Telephone Adapter Required for analog PBX Systems

ControlKom user friendly GUI allows changes to be made quickly and easily.
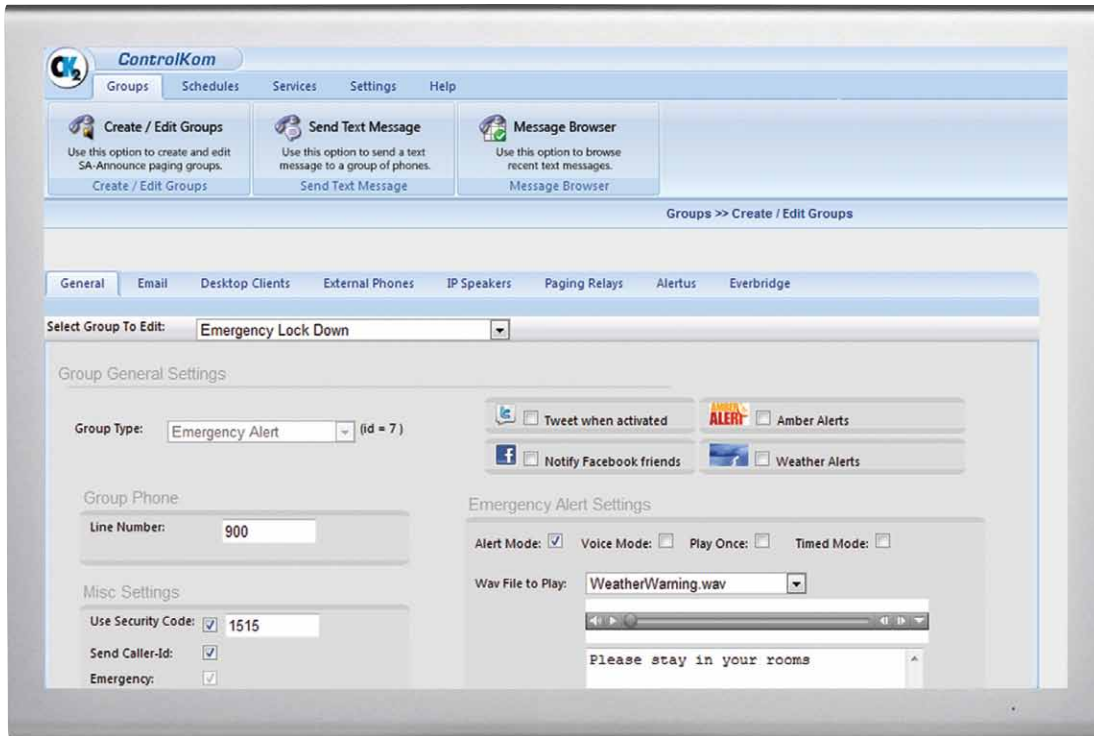
Emergency Group Message Creation Screen - Send Emergency Audio and/or Text Message to Selected Group

Scheduled Broadcast Screen -Create and Adjust Schedule for All Broadcasts Including Bells and Other Recurring Notifications

Control Kom™ 2.0

Atlas Sound

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. Speakers are powered via PoE to deliver 9 watts of audio output to either a cone transducer or re-enterant horn. Models are available with **optional high-resolution LED clock displays and/or built in microphones** to provide duplex communication directly to telephones.

Why IP Speakers?

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. **In complex zone paging scenarios IP speakers are often more economical than traditional paging speakers.**
Devices are easily configured in ControlKom™ software. Network input is made with a standard RJ45 connection.

All Atlas IP Speakers are UL60950-1 listed.

I8SC-CK / I8SCM-CK

• IP Series Speakers

I8S-CK Basic IP Speaker with 8" driver for wall mount use in classrooms, hallways & corridors (interior only).

I8SM-CK Same as I8S-CK with built-in microphone.

I8SC-CK IP Speaker with bright, **5 character LED display for clock display and scrolling text support.**

I8SCH-CK Same as the I8SC-CK with APF Series Compression Driver.

I8SCM-CK Same as I8SC-CK with built-in microphone.

• In Ceiling IP Speakers

IDT12-CK 1' x 2' "Drop In" tile replacement speaker system.

IDT12M-CK Same as IDT12-CK with built in microphone.

• Vandal Resistant IP Speakers

IHVP-CK Weather resistant cast aluminum / stainless construction.

• Enclosures for IP Speakers

IP speaker enclosure options are available in surface mount straight (SEST), surface mount angled (SEA) and flush (FEST) versions.

Model	Speaker Size / Type	Sensitivity	Frequency Response	LED Display	Built in MIC	Height	Width	Depth
I8S-CK	8" (C10A)	94 dB	86Hz – 9kHz	N	N	11½"	11½"	4¼"
I8SM-CK	8" (C10A)	94 dB	86Hz – 9kHz	N	Y	11½"	11½"	4¼"
I8SC-CK	8" (C10A)	94 dB	86Hz – 9kHz	Y	N	14⅜"	12⅞"	2.99"
I8SCH-CK	7″ (APF-15)	104 dB	600Hz – 14kH	Y	N	14⅜"	12⅞"	2.99"
I8SCM-CK	8" (C10A)	94 dB	86Hz – 9kHz	Y	Y	11½"	11½"	4¼"
IDT12-CK	8" (C10A)	94 dB	86Hz – 9kHz	N	N	11½"	11½"	4¼"
IDT12M-CK	8" (C10A)	94 dB	86Hz – 9kHz	N	Y	11½"	11½"	4¼"
IHVP-CK	7" (APF-15)	104 dB	600Hz – 14kHz	N	N	11½"	11½"	4¼"

Zone Controllers

Atlas Zone Controllers provide a cost effective way to address distributed loudspeaker zones either on their own or as part of an IP speaker deployment. Units also allow **simple integration of legacy systems** with ControlKom software to provide bell tones, paging and emergency messaging.

Zone Controller PRO

Designed to provide extreme flexibility for any deployment, the ZC1PRO includes a compliment of configuration options.

- **Internal 9W amplifier** (8Ω, 25V and 70V output)

- Balanced, line level output

- Microphone input allows use of plate mounted wall/ceiling mic model ZCPRO-MIC

- Contact closure interface for classroom call buttons

- PoE or local PSU

- Removable Phoenix connectors for all rear panel I/O

- RJ45 network connection on front panel

Available models:
ZC1PRO-CK(x1 Zone Controller Pro module with 2RU mounting faceplate and single unit mounting hardware)**ZC2PRO-CK** (Dual rack mount version)

IPS-ZC2
(Shown with Rack Mount Attached)

Standard Zone Controllers

Line level output zone controller.

- 600Ω balanced line level output on terminal block connector

- **PoE or local PSU**

- RJ45 network connection on front panel

Available models:
ZC1-CK (x1 Zone Controller Pro module with 1RU mounting faceplate and single unit mounting hardware) **ZC2-CK** (Dual rack mount version)

ZC1PRO-CK
(Shown without rack mount kit - Included)

Model	Description	Power Rating	Inputs	Outputs	Power Source	Network Control
ZC1PRO-CK	Zone Controller Pro Module with 2RU Mounting Faceplate	9W RMS @ 8Ω/25V/70.7V	RJ45	600Ω, 8Ω, 25V, 70.7V	IEEE 802.3af Compliant POE Network Switches / Local 12VDC – 18VDC PSU	Multicast Enabled Networks
ZC2PRO-CK	(2) Zone Controller Pro Modules with 2RU Mounting Faceplate	9W RMS @ 8Ω/25V/70.7V	RJ45	600Ω, 8Ω, 25V, 70.7V	IEEE 802.3af Compliant POE Network Switches / Local 12VDC – 18VDC PSU	Multicast Enabled Networks

Model	Description	Analog Output	Inputs	Output	Power Source	Network Control
ZC1-CK	Zone Controller Module with 1RU Mounting Faceplate	Transformer Balanced	RJ45	600Ω	IEEE 802.3af Compliant POE Network Switches / Local 12VDC – 18VDC PSU	Multicast Enabled Networks
ZC2-CK	(2) Zone Controller Modules with 1RU Mounting Faceplate	Transformer Balanced	RJ45	600Ω	IEEE 802.3af Compliant POE Network Switches / Local 12VDC – 18VDC PSU	Multicast Enabled Networks

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