Gen2 Products

*A*dvanced Network Devices (AND) is committed to providing feature rich, intelligent network devices for use in commercial applications. IP is a perfect solution for clock/intercom systems and mass notification, allowing users to have full supervision and reporting of all end point devices.
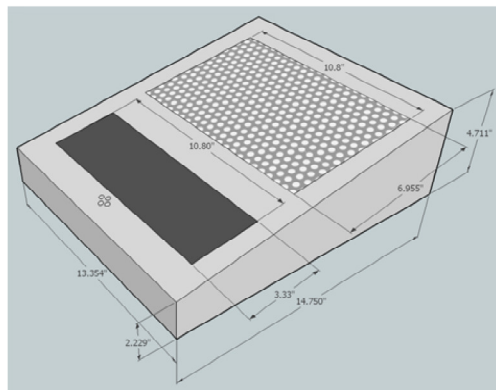
All AND Gen2 products support:
- Simple field upgrade ability.
- Built-in web servers for administration and maintenance.
- GPIO (General purpose I/O) for sensing conditions and controlling remote signals.
- Clock and scrolling text (on models which include a display).
- Power and control over one cable using PoE (Power Over Ethernet) and PoE+ (the new higher power standard)
- Most models have a microphone for bidirectional communication/intercom, remote monitoring, and system test.
- Interoperation with Cisco VoIP network and phones. Built in SIP functionality makes each device look like a phone extension.
- Sound Masking
- Individual device or group accessability

IP Speaker
Display with 1 red, 1 white
and 1 blue flasher

2'x2' Ceiling
IP speaker

IP Clock
Display with 1 red, 1 white
and 1 blue flasher

Outdoor
IP Speaker

Indoor
IP Speaker

Round ceiling IP
speaker
(1 endpoint, 2 speakers)

IP Clock Signboard
Display with 1 red, 1
white and 1 blue flasher

IPCSL-RWB (large)
IPCSS-RWB (small)
IPSCL-W-RWB (large)

IPSWD-RWB
IPSWD

IPSWS-SM-O

IPSWS-SM
IPSWS-FM

IPSCM

IPSCM-RM

IPSIGNL-RWB

Zone
controller

ZONEC2

IP ClockWise
and/or
Third party software

Connect to your existing
data network

IP phone compatible
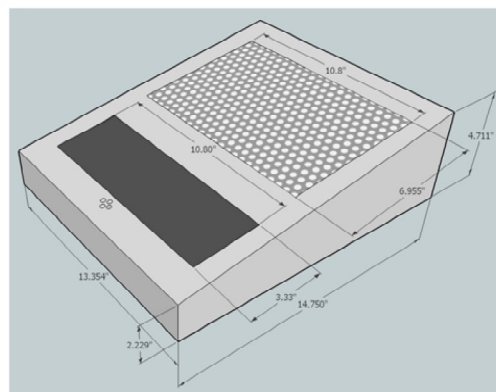
IPSWD
### IP Speaker (With Display)

Features

- 8" high efficiency PA speaker

- Approx. 13"x15"x 5"

- Standard multicolor LED display

- Send audio and/or scrolling text to individual devices, all devices or groups of devices with IP ClockWise or third party mass notification software

- Built-in microphone for two way communication

- Auto-synchronizing clock with scrolling text display and date feature

- Built-in sound masking

- Backbox mounting options available: Flush or surface mount

- 2 inputs, 1 output

IPSWD-RWB
IP Speaker (With Display) and Flashers

Features

- 8" high efficiency PA speaker

- Approx. 13"x15"x 5"

- Standard multicolor LED display

- Send audio and/or scrolling text to individual devices, all devices or groups of devices with IP ClockWise or third party mass notification software

- Built-in microphone for two way communication

- Auto-synchronizing clock with scrolling text display and date feature

- Built-in sound masking

- Individually controllable flashers- 1 red, 1 white, 1 blue

- Backbox mounting options available: Flush or surface mount

- 2 inputs, 1 output

IPSWS-SM
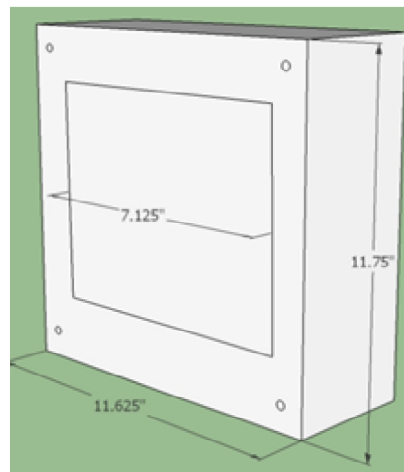### IP Speaker- Surface Mount
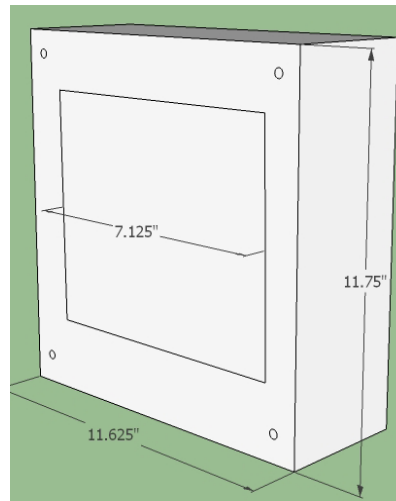
Features

- 8" high efficiency PA speaker

- Approx. 12"x12"x 4"

- Send audio to individual devices all devices or group of devices with IP ClockWise or third party mass notification software.

- Built-in sound masking

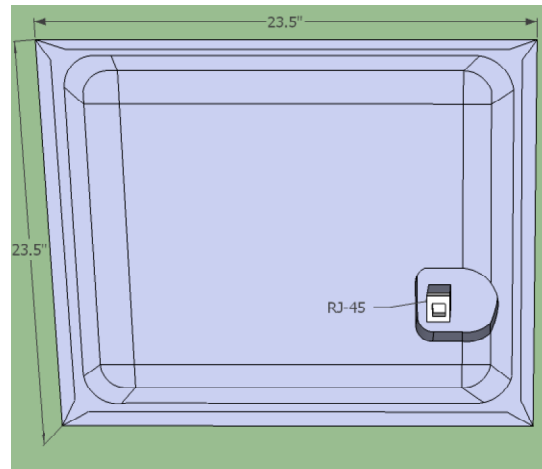- Built-in microphone for two way communication

IPSWS-FM
IP Speaker - Flush Mount

Features

- 8" high efficiency PA speaker

- Approx. 12"x12"x3"

- Send audio to individual devices all devices or group of devices with IP ClockWise or third party mass notification software.

- Built-in sound masking

- Built-in microphone for two way communication

IPSCM
2"x2" Ceiling IP Speaker

Features

- 8" high efficiency PA speaker

- Approx. 2'x2'x3"

- Drop in replacement for a standard 2'x2' ceiling tile

- Send audio to individual devices, all devices or group of devices with IP ClockWise or third party mass notification software

- Built-in sound masking
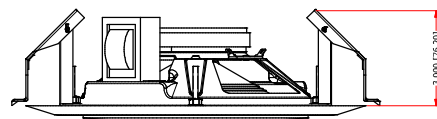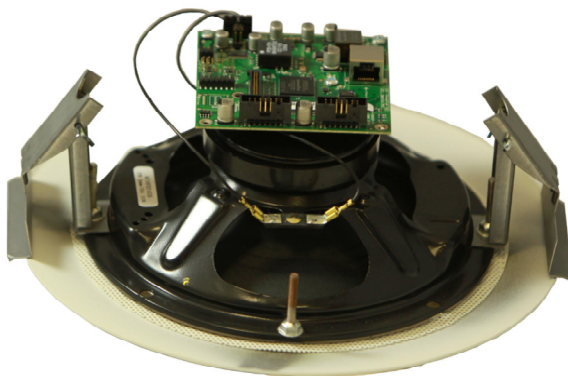
- Built-in microphone for two way communication

IPSCM-RM
Round Ceiling IP Speaker
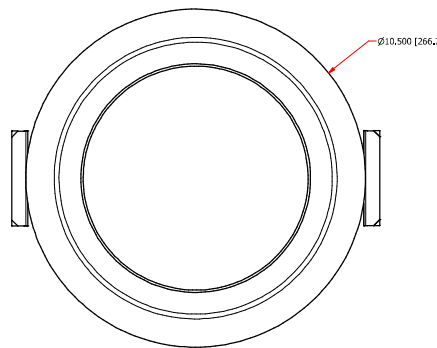
Features

- 8" High efficiency PA Speaker

- Approx. 10.5" diameter

- 1 endpoint, 2 speakers

- Send audio to individual devices, all devices or group of devices with IP ClockWise or third party mass notification software

- Built-in sound masking

- Installs in drop ceiling or drywall

- 2 inputs, 1 output

- Independent line in

- Can be configured to send line in audio to the speaker and/or broadcast to additional speakers

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IPspeaker

ADVANCED NETWORK DEVICES

IPSWS-SM-O
Outdoor IP Speaker

Features

- PoE (Power over Ethernet)
- Approx. 11.5"x 11.5"x 4"
- Weather resistant
- Full multicast and broadcast support. Send audio to individual, multiple or all devices simultaneously
- Field upgradable
- Configurable volume

ZONEC2
Zone Controller 2

Features

- PoE or PoE+ (Power over Ethernet)
- Approx. 6" x 6" x 1.25"
- Connects directly to amplifier
- Make existing speakers IP addressable
- Unbalanced line level in/out
- Provides a complete solution for larger areas with multiple devices
- Built-in sound masking
- Wall mount capability
- Power indicator LED
- 8-ohm speaker level ouput
- 2 general purpose inputs, 1 general purpose output (12V option)
- Microphone input

IPCSS-RWB
IP Clock - Small
with Flashers

Features

- 4" High efficiency PA Speaker

- Approx. 18"x6"x 2"

- Standard multi-color LED display

- Send audio and/or scrolling text to individual devices, all devices or group of devices with IP ClockWise or third party mass notification software

- Built-in microphone for two way communication

- Auto-synchronizing clock with scrolling text display and clock function

- Built-in sound masking

- Individually controllable flashers, 1 red, 1 white, 1 blue

- Timer display

IPCSL-RWB
IP Clock - Large
with Flashers

Features

- 8" High efficiency PA Speaker

- Approx. 24"x9"x 4"

- Standard multi-color LED display

- Send audio and/or scrolling text to individual devices, all devices, or group of devices with IP ClockWise or other mass notification software

- Built-in microphone for two way communication

- Auto-synchronizing clock with scrolling text display and clock function

- Built-in sound masking

- Individually controllable flashers, 1 red, 1 white, 1 blue

- Timer Display

IPCSL-W-RWB
IP Clock - Large with Flashers and White LED Display

Features

- 8" High efficiency PA Speaker
- Approx. 24"x 9"x 4"
- Bright-white LED display for extended readability
- Send audio and/or scrolling text to individual devices, all devices, or group of devices with IPClockWise or other mass notification software
- Built-in microphone for two way communication
- Auto-synchronizing clock with scrolling text display and clock function
- Built-in sound masking
- Individually controllable flashers, 1 red, 1 white, 1 blue

IPSIGNL-RWB
IP Clock - Large Signboard with Flashers

Features

- Two 8" High efficiency PA Speakers
- Approx. 52"x9"x 4"
- Standard multi-color LED display
- Send audio and/or scrolling text to individual devices, all devices, or group of devices with IPClockWise or other mass notification software
- Built-in microphone for two way communication
- Auto-synchronizing clock with scrolling text display and clock function
- Built-in sound masking
- Individually controllable flashers, 1 red, 1 white, 1 blue

IPCDS-RWB
IP Clock - Double Sided Small Clock with Wall Mount and Flashers
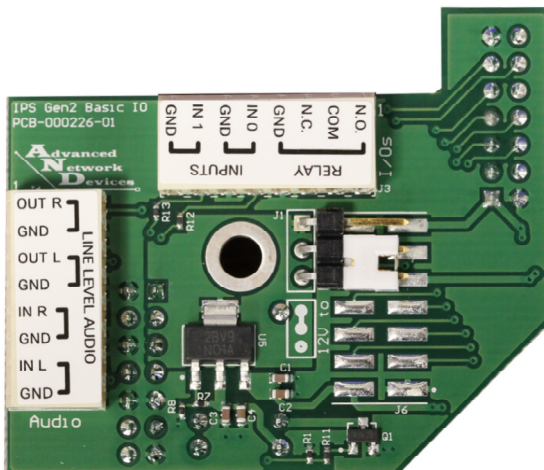

Features

- Two 4" High efficiency PA Speaker
- Approx. 23"x 6"x 6"
- Standard multi - color LED display
- Send audio and/or scrolling text to individual devices, all devices or group of devices with IPClockWise or third party mass notification software
- Built-in microphone for two way communication
- Auto-synchronizing clock with scrolling text display and clock function
- Built-in sound masking
- Individually controllable flashers, 1 red, 1 white, 1 blue
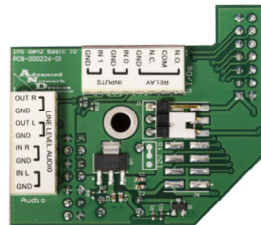
AND-PIA-1
Peripheral Interface Adapter

Features

- Use with 18-22 AWG stranded or solid core wire
- Output relay functionality tested to operate with the System Sensor strobe (IPSTROBE-ACCY)
- Makes any combination of the following signals available:

  -Line level audio in/out

  -2 General purpose inputs

  - General purpose output relay (with 12VDC option)
- Easy to install; no tools required

AND-BTN-KIT-1
Call Button Kit

Features

- Includes call button, faceplate, and peripheral interface adapter board (AND-PIA-1)

- Button diameter is .6" (15mm)

- Faceplate is 4.5"x 2.75" for installation with any standard single gang junction box

- Faceplate is 16 gauge polished stainless steel

- Use 18 AWG stranded or solid core wire pair to connect call button to peripheral interface adapter.

- AND-PIA-1 also includes "poke-home" access to these device signals:

    -Line level audio in/out

    - General purpose output relay (12 VDC option)

    - 1 additional general purpose input

- Vandal proof screws included to increase security

AND-STROBE-KIT-1
Strobe Kit
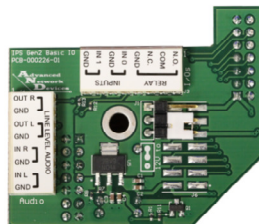
Features

- Includes wall-mountable strobe and peripheral interface board (AND-PIA-1)

- PoE+ recommended

- Strobe is approximately 5"x 6"x2.5"

- 15 and 15/75 candela settings available

- Mounts to a single gang, 4" square double gang, or 4" octagon junction box

- Use 18 AWG stranded or solid core wire pair to connect strobe to peripheral interface adapter.

- Peripheral interface board also includes "poke-home" access to these device signals

    - Line level audio in/out

    - 2 general purpose inputs

IPS-FM1 & IPS-SM-1
Flush and Surface Mounts for the
IPSWD and IPSWD-RWB

Flush
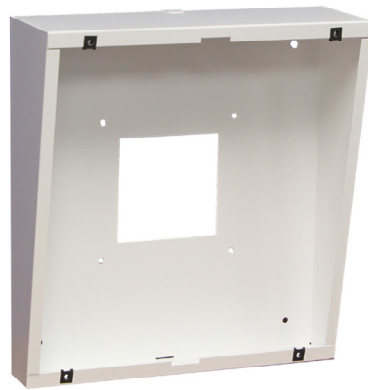
Surface

Features

- Surface Mount Enclosure

  - Mounts directy onto the wall

  - Approx. 13"x 15"x 5"

  - 3.5 pounds

  - Powder-coated 22 gauge galvanized steel

  - Wire knockouts provided where required

- Flush Mount Enclosure

  - Mounts inside the wall

  - Approx. 14.5"x 11.5"x 3.75"

  - 3 pounds

  - 22 gauge galvanized steel

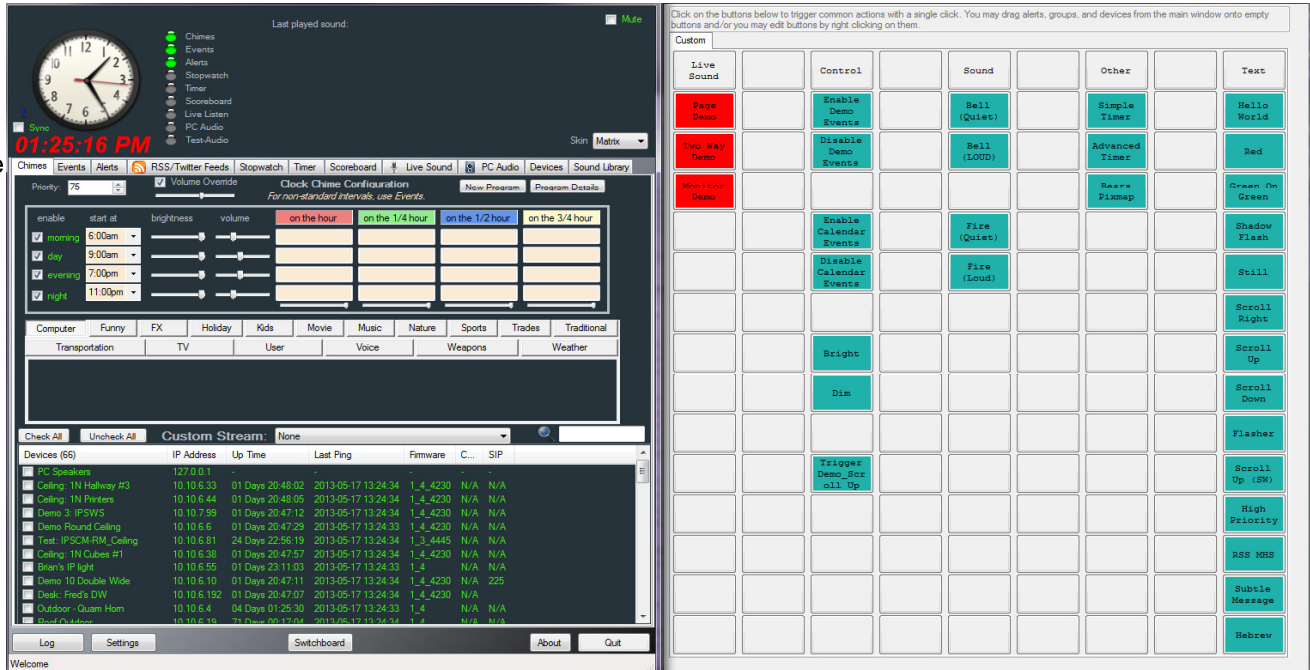## Wood Frame
for IPCSS-RWB

Features

- Fits the IPCSS-RWB clock model

  - Approx. 23"x 11"x 2.5"

  - 2 pounds

- Easy to install, magnets secure the frame around the device

- Tether wire included for additional security

Programmable Schedule →

Network IP Devices →

← **Virtual Switchboard**

Preview of IPClockWise

Features

- Runs in the background with virutally no CPU

- Configurable groups and zoning with volume override capability

- Allows for paging, two way communication/intercom, and monitoring

- Programmable clock chimes and bell scheduling

- Page to any device or group of devices

- Can send text and/or audio to individual devices, all devices, or group of devices

- Built-in ability to upgrade AND devices

- Optional User and Administrative passwords.

- Immediately detects AND devices (IP clocks and IP speakers) or defaults to the PC speakers.

- Built-in Scoreboard functionality allows you to manage the game time, possessions and score on a user friendly interface

- Display RSS/Twitter/News/Weather/Stock Feeds

- Schedule text/audio events for one or more devices

- Configurable virtual switchboard for push button access to alerts and paging

- Stream PC audio (Media Player, YouTube, Pandora, etc.) playable to devices

- Allows complete audio control over devices. Ability to import sound files to library

- Design your own graphics. Import bitmaps, jpegs, etc. which can be scheduled to display like other text messages.

- Send countdown or count up timers to one or many devices