IP CLASSROOM SOUND AND INTERCOM

IP SCHOOL INTERCOM, PAGING, MESSAGING, BELL SCHEDULES
The School Sound System - A full audio over IP-based classroom solution, including teaching, paging, messaging, class change & scheduling, hands-free intercom & emergency communication. The system provides a safe and secure environment for students, staff and visitors. The Terra-SAP is a networkable device that includes a 20W x 2CH Class-D amplifier and processor unit that acts as an audio hub for locally connected devices such as mic/line inputs, USB interface for message/music storage and playback, connection with audio-visual devices such as projectors as well as logic input/outputs. Local volume control and audio input selection can be managed using our RAC5 or RAC8 control panel. In case of an emergency, press the supervised EVAC button either on the Terra-SAP or via the remote EVC-SW02W EVAC switch unit in order to alert a central monitoring station able to respond to an incident.

The TERRACOM system devices are powered via POE and include a range of IP, POE+ speakers and audio devices including our unique boundary microphone which can be used for both intercom and classroom speech reinforcement applications.

The TerraManager Graphical User Interface (GUI) software can be operated on a touch screen PC/Laptop, brings it all together by facilitating full control, paging, intercom, recording, streaming, audio routing, device I/O monitoring, and bell scheduling with the greatest ease. The TerraManager is customized to each application whether it is a district wide school intercom, campus paging, messaging/BGM distribution on multiple stores, and so on.

**SYSTEM DIAGRAM**

**INTERIOR IP SPEAKERS (POE+)
- APH30-IP
- APH30-IPM
- J820-IP
- J820-IPM
- PBC6-IP
- PBC6-IPM
- LCS8-IP
- LCS8-IPM
- USB-IP
- USB-IPM
- LS8EX-IP
- LS8EX-IPM
- DS54-IP
- DS54-IPM
- DS56-IP
- DS56-IPM**

**EXTERIOR IP HORNS (POE+)
- IPSM-1C40M
- APH30-IP**

**RETROFIT
- Amplifier TERRA-EX**

**TELCO PAGE
- Telephone Landline**

**AUDIOS AND CONTROL IP TERMINALS (POE)
- TERRA-AMP
- TERRA-EX
- TERRA-EXA
- TERRA-DS**

**ADMINISTRATION
- TERRA-K
  - Custom GUI Control Software
  - Dynamic Bell Schedule
  - Text to Speech
  - Message Activation (Record, Broadcast, Edit)**

**RETRORFIT**

**TELCO PAGE**

**TERRA-SAP**

**AUDIO AND CONTROL IP TERMINALS (POE)**

**ADMINISTRATION**

**RETRORFIT**

**TELCO PAGE**

**TERRA-SAP**

**AUDIO AND CONTROL IP TERMINALS (POE)**

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**TERRA-SAP**

**AUDIO AND CONTROL IP TERMINALS (POE)**
IP SCHOOL INTERCOM, PAGING, MESSAGING, BELL SCHEDULES

TERRA-SAP
School Sound Amp Processor, 20W x 2

• 2 microphone inputs with master volume control and bass/tremble sound level adjustment
• 1 monitored emergency button to alert central monitoring station
• USB 2.0 interface for music/pre-recorded message playback
• 20W x 2CH (Class-D amp) or bridged to 40W x 1CH amplification on 8 ohm load
• Sensitivity adjustment/phantom power/voice activated (VOX) for microphone input
• 1 stereo PC audio input for background music
• 3 balanced mic inputs used for student to intercom with administration
• 3 monitored control inputs for hidden emergency button or programmable source selector and volume control (RAC5/8)
• Mini-USB interface to connect to PC/Laptop for web conferencing
• 1 relay control output and 1 Ethernet port

EVC-SW01W Supervised Emergency Button
EVC-SW02W Supervised Emergency Button (Metal)

ACTIVE IP LOUDSPEAKERS

APH30-IP
IP Horn Speaker (20W External 24VDC/PoE+)
APH30-IPM
IP Horn Speaker with Mic (20W External 24VDC/PoE+)

JD20-IP
Music Cabinet Loudspeaker (20W External 24VDC/PoE+)
JD20-IPM
Music Cabinet Loudspeaker with Mic (20W External 24VDC/PoE+)

PBC6-IP
Open-Back Wall-Mount IP Speaker (6W External 24VDC/PoE+)
PBC6-IPM
Open-Back Wall-Mount IP Speaker with Mic (6W External 24VDC/PoE+)

LCS8-IP
Twin-Cone IP Speaker (4W External 24VDC/PoE+)
LCS8-IPM
Twin-Cone IP Speaker with Mic (4W External 24VDC/PoE+)

LIS8-IP
Lay-in Tile Speaker (5W External 24VDC/PoE+)
LIS8X-IP
Lay-in Tile 2 Way IP Speaker (15W External 24VDC/PoE+)
LIS8-IPM
Lay-in Tile Speaker with Mic (5W External 24VDC/PoE+)
LIS8X-IPM
Lay-in Tile 2 Way IP Speaker with Mic (15W External 24VDC/PoE+)

4" Pro-Ceiling IP Speaker 2 Way (20W External 24VDC/PoE+)
6" Pro-Ceiling IP Speaker 2 Way (30W External 24VDC/PoE+)
4" Pro-Ceiling IP Speaker 2 Way with Mic (20W External 24VDC/PoE+)
6" Pro-Ceiling IP Speaker with Mic (30W External 24VDC/PoE+)
FEATURES

- Control, monitor and management via web browser
- A full audio over IP classroom solution including paging, audio streaming, messaging, bell scheduling, hands-free intercom, voice evacuation, etc.
- 20W x 2CH or bridged to 40W x 1CH Class-D amplification on Terra-SAP
- Podium microphone inputs and logic inputs/outputs on Terra-SAP
- Instant alert by pressing the evac button on Terra-SAP or EVC-SW02W
- Excellent sound quality (24 bits and 48 kHz sampling)

TAKE ADVANTAGE OF A HIGHLY FLEXIBLE IP PLATFORM
AND COST EFFECTIVE EDUCATIONAL SYSTEM TO MATCH YOUR SECURITY NEEDS

Voice Evacuation / Message Playing / Intercom
Paging / Bell Scheduling / Proactive Monitoring
with intuitive TerraManager graphical control software

Cost-Efficient and Cost-Effective Open Architecture
offering flexible, real-time correctional IP-based integration

Open for Customization
with integration of all TERRACOM devices for customized applications

Web Browser
AGC, PEQ, AEC, ANR, monitor, level control, event and bell scheduler, priority management etc., password security and log reports can be managed by a dedicated web browser