



## Integrated communication for schools: Safety and efficiency

- ✓ **Crisis communication** and emergency management
- ✓ **Compact PAVA** systems
- ✓ **IP Intercoms** for schools
- ✓ SIP and **EN54 speakers**
- ✓ **YELLOW management software**

## Why Ambient System solutions are right for your project?

Ambient System solutions for schools combine safety, functionality, and compliance with educational standards. By integrating PAVA systems, IP intercoms, and management software, schools gain a unified communication environment that supports both daily operations and emergency response. The systems are scalable, modular, and ready for integration with existing safety infrastructure.

### OPERATIONAL SAFETY AND COMMUNICATION IN EDUCATIONAL ENVIRONMENTS

Schools are environments where safety is paramount, yet they are particularly vulnerable to emergencies. In crisis situations, the presence of children and youth often leads to chaos and panic. Ambient System offers an integrated communication platform compliant with DIN VDE V 0827, combining certified PAVA systems (miniVES/midiVES) with digital IP intercoms and visualization software. This enables the implementation of crisis management procedures, faster response times, and efficient information flow between staff and students.

### COMPACT PAVA SYSTEMS

The miniVES and midiVES all-in-one systems are ideal for small and medium-sized educational facilities. They provide clear voice and alarm messages essential during evacuations and support extensive audio networks.

### IP INTERCOMS FOR SCHOOLS

Specialized ICO EMERGENCY 01 intercoms, compliant with DIN VDE V 0827, feature a dedicated emergency button under a glass cover. These devices are vandal-resistant (IK08), environmentally protected (IP54), and suitable for indoor and outdoor use. They offer two-way communication, echo and noise reduction, and integration with bells, alarms, and access control systems.

### SIP AND EN54 SPEAKERS

SIP speakers with built-in amplifiers, powered via PoE or DC, are ideal for targeted sound coverage in classrooms and cor-

ridors. EN54-24 speakers powered by 100V lines are available for larger spaces.

### YELLOW MANAGEMENT SOFTWARE

YELLOW software enables centralized management of PAVA and intercom systems. It provides a customizable graphical interface (GUI) showing device status, simplifying diagnostics and control. It integrates with IP PBX systems and third-party platforms (SNMP, OPC).

## References

- » Grammar schools
  - › Comenius Gymnasium, Deggendorf
  - › Gymnasium, Zwiesel
- » Primary schools
  - › Angermühle, Arnstorf, Sachsenwald (Berlin), Goldbach (Bischofswerda), Esslingen am Neckar, Hengersberg, Hoyerswerda, Laubusch, Parsau, Heining (Passau), Ramspau, Scheibing, Schortens, Viehhausen
- » Primary and secondary schools
  - › Fürstzell, Niederaichbach, Straßkirchen, Tittling
- » Secondary schools
  - › Ebersberg, St. Wolfgang (Regensburg), Placidus-Heinrich (Schierling), Therese Giehse (Unterschleißheim), Emmerenz-Meier (Waldkirchen)
- » Vocational schools
  - › Deggendorf, Neunburg, Vocational Training Center Vilshofen