



Telecor XL Communication System

The Telecor XL Communication System is a microprocessor-based system that provides two-way intercom communications, full-duplex telephone communications, and a built-in Master Clock.

The system employs modular architecture to allow for easy expansion and serviceability. Because communication functions are integrated into the system via plug-in circuit cards, a system can be tailored to a facility's exact requirements. Room locations can be equipped with a variety of devices such as speakers, call-in switches, message waiting/call assurance lamps, and staff telephones.

The system provides for two-way intercom communications between control consoles and speaker stations. Direct-dial, duplex, phone-to-phone communication is also provided between staff telephones and control consoles. The channel capacity provided with the XL basic package can be expanded to accommodate additional traffic handling. Up to 20 telephonic communication paths and 3 amplified audio channels for intercom, paging, tone signaling, and audio program distribution can be provided.



CONTROL CONSOLE

Communications and control are achieved via the sleek, compact MCC-300 Console. During a call-in, the console displays the priority level and room number; in idle mode, it displays the model number, time and date.

PAGING

From the Console, paging announcements can be sent to all areas (with emergency or normal priority), individual zones, or multiple zones. The system provides up to 32 Paging Zones. In addition, paging announcements can be made from up to 5 remote microphones, each one programmed to page a specific zone. Remote paging announcements are initiated either by remote contact closures or dialing up an access code on a console or DTMF phone.

TONE DISTRIBUTION

Up to 16 different tones can be activated at specific times to signal events (e.g. class changes, fire drills). Tones can be activated by a Console, staff telephone or remote contact closure. A tone can be activated in a single Time Zone or multiple Zones simultaneously. 32 Time Zones are available, which are independent of the Paging and Program Distribution Zones. The system also provides the unique ability to program the way a tone sounds (e.g. frequency, output level, etc.) and its duration.

PROGRAM DISTRIBUTION

Programs from audio sources such as radios and CD/tape players can be distributed to one room, all rooms, selected rooms, a single zone, or multiple zones by activating a dry contact closure

(push button, switch, relay, etc) or by dialing an access code on a console or DTMF phone. The system offers 32 Program Distribution Zones for program distribution, which are independent of the 32 Time Zones and 32 Paging Zones. The program can be monitored on the Console speaker. Three ports (tuner, tape and aux) and the five microphone inputs are available for program distribution.

BUILT-IN MASTER CLOCK

The built-in Master Clock can be programmed for as many as 1536 events with 16 program schedules. Utilizing the system speakers, the Master Clock is used to distribute bell and tone signals to up to 32 independent Time Zones. Digital clocks not only display time but can also receive messages (e.g. "Bell") from the Master Clock when initiated by a Console or remote device. This provides an advantage for hearing-impaired individuals.

Additionally, the XL System supports Telecor's Advanced Digital Clock displays (ADC). These are alphanumeric displays which are capable of displaying the time and scrolling messages up to 64 characters in length. Messages originating in the XL system can be activated as an event scheduled in the Master Clock or manually activated from a contact closure. The displays are addressable, which allows different messages to be transmitted to a variety of locations equipped with multiple ADC's. This feature can be used to display emergency messages to staff and students as well as displaying the time of day.

TIME CORRECTION

For enhanced timekeeping performance, the system can be synchronized using the following three methods: internet synchronization, a 60 Hz power line frequency signal, or the external time source of a third-party system (i.e. Master Clock). For the 60 Hz power line frequency signal, the system is able to measure the signal to determine its accuracy. Only if accurate is the system automatically synchronized.



MEDIA RETRIEVAL SYSTEM

When the XL System is integrated with Telecor's Touch Tone Control Unit (TTCU), DTMF telephones can be used to retrieve programs from centralized media sources such as DVD players and VCRs.

KSU/PBX INTEGRATION

The system can be completely integrated with a facility's KSU or PBX system, allowing for a facility's telephones to communicate with Telecor XL Consoles and Room Stations and vice versa. In addition, the XL System gains access to the public telephone network outside the building.

SYSTEM PROGRAMMING

All user programmable features can be entered into the system three ways: from the internet with the new TII/XL Editor, from a standard control console or from a PC via a built-in RS-232 port.

A modem connection allows the PC to be located off-premise. The TII/XL Editor is an easy-to-use web-based interface that allows for the configuration of the Telecor Communications System via the internet or LAN/WAN. The web-based interface is intuitive, allowing for a wider variety of staff to attend to the system. Users can be assigned different access privileges to determine what operating characteristics can be modified on a system.



With central control and remote access a school district's IT professional can now manage and maintain all programming, from one location. If a Telecor technician is required, the system can be accessed remotely via the internet. Each room station is assigned an architectural Room Number, a call-in zone to report to, and a call-in priority level. A room station is also assigned to each of the following independent speaker zones: Paging, Program Distribution, and Time Clock. At a designated console, incoming calls are annunciated in order of priority and then chronologically. Incoming calls and calls on hold may be previewed on the console.

FEATURES

- Advanced microprocessor design
- Architectural station numbering
- Modular architecture for easy expansion and serviceability
- Media retrieval capability
- Two-way intercom voice communications
- Full-duplex telephone and console communications
- Up to 300 room stations or 125 staff telephones
- KSU/PBX telephone system integration
- Six programmable levels of call-in priority
- Twenty telephonic communication paths
- Three amplified audio channels
- Music during class change
- Sixteen tone types with user-programmable sound characteristics
- Program distribution to one room, all rooms, selected rooms, one zone, or multiple zones of rooms
- Thirty-two Program Zones
- All-call, individual zone, or multi-zone paging
- Five remote microphones for paging
- Thirty-two Paging Zones
- Built-in Master Clock with 16 simultaneous schedules and 32 time clock zones
- Advanced Digital Clock messaging
- Alpha-numeric messaging support on Advanced Digital Clock
- Digital and analog clock support and correction
- Automatic daylight-saving time correction
- Customizable Holiday schedules
- Up to 1536 events

- New web-based, TII/XL Editor, application for system programming
- Configure system from LAN/WAN/Internet
- Manage multiple sites via LAN/WAN/Internet
- Remote PC diagnostic and programming
- Touchscreen or PC to operate console functions