



At Dukane we've built our reputation as a leader in communication technology by finding new ways to tune our products to the changing needs of building owners, managers, and occupants alike. The STARCall family of intercommunication and timekeeping solutions enhances this leadership status, bringing usability, flexibility, and cost effectiveness within easy reach of all industrial/commercial/institutional settings, including schools, offices, small businesses, and correctional facilities.

STARCall lets you determine the level of sophistication you need for your application by offering three communication and timekeeping feature sets – each geared to a specific level of service; each offering precisely the capabilities you need to get the job done right.

This layered solution means you won't be shoehorned into a system that can't keep pace with the needs of your building, and you won't find yourself rattling around in a system heavy with costly features that go unused. It also means there is always a clear and cost-effective migration path to higher-end features and increased capacity, should building expansion or changes in occupancy warrant an upgrade in the future.

Regardless of the STARCall feature set, your communication and timekeeping system will incorporate the very latest technology in a powerful package engineered to deliver exquisite performance, and built to provide reliable service in even the most demanding settings.



DUKANE
COMMUNICATION SYSTEMS

Whether your facility is as demanding as a multi-building school environment, or as straightforward as a small office setting, STARCall delivers the level of service needed for occupants to keep in touch, in sync, and out of harm's way. Robust intercom and paging, reliable timekeeping control, flexible program source distribution, powerful event processing, intuitive software tools,

and fully integrated telephone capabilities all headline this powerful suite with cost-effective features designed for maximum efficiency. To make an informed decision on your communication system, take a close look at the powerful STARCall features outlined below, then turn to the inside back cover for a selection guide to the feature set that meets your needs.

ROBUST INTERCOM AND PAGING

All STARCall systems perform critical two-way intercom and one-way paging. The *Plus* and *Fusion* feature sets add powerful PC control, greater application flexibility and an enhanced graphical user interface.

■ Security of students and staff

is every school administrator's first responsibility, and STARCall's paging and intercom capabilities ensure this obligation is met. Each classroom supports two unique voice paths, providing redundant links should one of the communication devices become damaged, disabled, or blocked. In the event of weather or other emergencies, STARCall paging can be accessed from multiple locations – even via mobile devices such as wireless telephones – to deliver mission-critical information.

■ **Personal safety** is a benefit of STARCall's *off-hook duress* feature, which automatically dials a programmed extension after a preset time elapses following the removal of a handset from its cradle. In such an event, a channel is opened to the



designated location, allowing real-time remote monitoring of the situation.

■ **Hands-free communication** is a vital part of any school intercom system and STARCall represents unobtrusive communication at its best. Whether it's a call from the office to a specific classroom looking for a student, daily general announcements, or an emergency situation that requires immediate notification of everyone in the building, STARCall provides the necessary connectivity with clear, crisp, and intelligible voice audio.

■ **Privacy** is preserved by the STARCall system with optional in-building telephones that provide links to and between classrooms in schools. In commercial settings, where telephones may already exist, STARCall offers redundant communication links in key locations should the phone system go down.

■ **The freedom of wireless** call-in and system access takes paging to the individual level anywhere in your building – even out to the schoolyard.

■ **Point and click convenience** is a powerful feature of the STARCall *Plus* and *Fusion* packages, providing enhanced intercom and paging by incorporating PC-based user interfaces. Rather than tedious keypad entries to generate a page or intercom connection, *Plus* and *Fusion* operators see all devices on their monitor and simply click on the required locations or STARCall function.



RELIABLE TIMEKEEPING

CONTROL

Every organization today is governed, at least in part, by time. So it's of critical importance that people within your organization be in step with accurate and reliable time display and scheduling. STARCall's synchronization protocols ensure that all compatible clocks in your building are accurate and consistent.



■ **Tight class schedules** are no match for STARCall which controls all clocks and bell tones, allowing students and teachers to move efficiently through their days. STARCall even provides unique scheduling for different sections of the same building, or different buildings on a campus.

■ **Prompt tones** are an attention-grabbing detail built into all STARCall systems. By associating different pre-announce tones with different event types (i.e.: weather emergencies, door openings, intruder alerts, etc.), building occupants are more likely to listen to and understand the messages that follow. Mnemonic tones can be incorporated into a master schedule or initiated as needed.

■ **Multi-tenant timekeeping** is a powerful STARCall feature in commercial settings, where it can act as the central timekeeper for all organizations within a shared building. STARCall can even provide different tone schedules for individual tenants.

■ **An intuitive PC-based user interface** highlights STARCall's *Plus* and *Fusion* feature sets with timekeeping services running under an easy-to-use software program, making event management simple and worry-free.

■ **A total timekeeping solution provider**, Dukane offers a full line of analog and digital clocks that are fully compatible with all STARCall systems.

FLEXIBLE PROGRAM SOURCE DISTRIBUTION

STARCall's innovative *Managed Audio* sub-system offers the opportunity to provide background music, news, special events, or radio-style localized programming from any input source to all parts, or selected areas, of your building.

With STARCall's *Managed Audio*, schools can share local or national interest programs throughout a building or campus. Examples may include a significant sporting event on a local radio broadcast, a late-breaking national

or international news event, seasonal music, or even a recording done by one of the school's music ensembles at a concert or competition.

■ **Any program source** that generates a standard audio signal is compatible with STARCall's *Managed Audio* feature. Output devices include CD/MP3 players, radio tuners, cassette players, microphone amplifiers, etc.

■ **Two discrete programs may be offered simultaneously** to different parts of your building, allowing targeted broadcasting of audio programs based on content.



POWERFUL EVENT PROCESSING

All modern buildings today need communication, as well as control and monitoring systems to operate effectively and efficiently. Often operating independently, a building's fire alarm, emergency paging, intercom, background music, door control and security, or other internal system can now be interfaced through STARCall's powerful *Event Manager*, providing connectivity and messaging capability through one centralized system.



■ **Door monitoring and control** is an ideal application for STARCall's *Event Manager*, which can activate a security camera whenever a doorbell is pressed. This allows real-time verification of the visitor's identity, while retaining a video recording for future reference. STARCall also offers door control, allowing a security guard or after-hours staff to verify the visitor's identity and then unlock a door remotely via telephone, or even a wireless device.

■ **Interior and exterior lights** can be controlled by STARCall based on specific time-based events. STARCall will send signals to the lighting controls at specific times – or even based on inputs received from

proximity-sensing devices. By lowering lighting levels in non-essential areas during off-peak times, STARCall can reduce energy consumption and cut operating costs.

■ **Scalable capacity** is one of the hallmarks of the STARCall family of systems. The *Plus* and *Fusion* packages handle more than 1,000 enhanced input/output ports, and feature a powerful PC-based user interface. The basic STARCall package has a maximum capacity of twelve basic input/output ports.

FULLY INTEGRATED TELEPHONE CAPABILITY



The incomparable *Fusion* feature set tops off the STARCall line with fully integrated telephone system functionality. *Fusion* can operate as your facility's integrated paging, intercom, master clock, music distribution – AND telephone system – while also providing supplemental input/output control of selected third-party systems like door monitoring, CCTV, and lighting.

Fusion's telephone system features include...

- Call management functions, including *Call Back*, *Call Forward*, *Call Transfer*, *Call Hold*, *Call Pick-up* and *Call Park*
- Answering and call routing options, such as *Attendant Groups*, *Hunt Groups*, and *Call Groups*
- Interactive Voice Response (IVR) with *Auto Attendant* and *Voice Mail* to direct callers to their desired extension
- *Voice Mail* with up to 512 unique mailboxes
- *Caller ID* capability that displays the calling party's number on Caller ID phones
- Direct Inward Line (DIL), dedicating one or more trunk lines to ring specific extensions, ensuring urgent calls will get through without delay
- *PC Attendant* providing a graphical user interface to simplify system operation and call management functions; Up to 5 clients can simultaneously access the system
- *Fusion's exclusive Assignment Central™* where teachers can voice-record homework assignments, allowing students to call in and access this helpful information from home after school
- Every extension under *Fusion* can be assigned one of 64 *Classes of Service* (COS), as well as day/night modes that, for semi-public phones, restrict call duration and allowable area codes



INTUITIVE SOFTWARE TOOLS

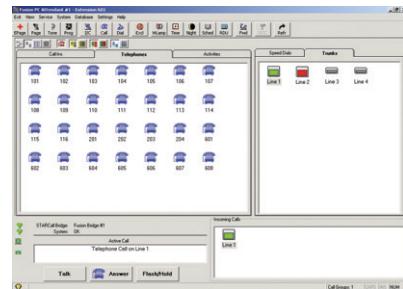
STARCall's *Plus* and *Fusion* feature sets offer compatibility with Dukane's supplemental PC Attendant applications and its associated *Report Writer* and *Student Profile* modules. This Windows®-based software suite delivers enhanced system management, summary reports, and additional staff and student information.

■ **PC Attendant** provides view and control capability for most system events and activities. Screen icons indicate the current condition of all system devices for at-a-glance system status and point-and-click control operations.

■ **Report Writer** captures all system events to an activity log, which can be printed or viewed on-screen. This log is especially helpful when reviewing emergency situations and monitoring intercom, telephone, and system activity on an ongoing basis.

■ **Student Profile** provides data storage and retrieval capability of such critical information as student I.D. photos, emergency contacts, medication, and allergy alerts. Having this information readily accessible provides more than convenience – the medical data could even save a life.

■ **Station Message Detail Reporting** (SMDR), provided under *Fusion*, records information on every outbound trunk call, including calling extension, dialed number, who made the call (if an account code is used), start and end time of day, and call duration. This information can be helpful for accounting and other management purposes.



STARCall Features and Benefits

INTERCOM AND PAGING

- Dual communication paths from each room provide enhanced safety & security
- Distinct alert tones keep building occupants aware of all current events
- Flexible paging zones and paging priorities instantly deliver critical information

PROGRAM DISTRIBUTION

- Wide variety of program sources can be used including CD/MP3, AM/FM tuner, and cassette
- 2 distinct channels carry program sources to different areas
- Sources deliver music, late-breaking news, and other local interest programs

MASTER CLOCK AND TIMEKEEPING

- Synchronized clock control keeps everyone on the same schedule
- Bells and clocks provide consistent notification of schedule updates
- Variety of clock options including digital, analog, wall and ceiling mount for all applications and locations

FUSION INTEGRATED TELEPHONY

- All-in-one solution provides cost savings and integrated system convenience
- The IVR's voice mail, auto attendant and *Assignment Central™* features enhance system value
- Popular features like Caller ID, call transfer, hold, forward, hunt groups, SMDR reporting, and more provide desired functionality

EVENTS PROCESSING

- STARCall's interface capabilities offer convenient door, lighting and security camera controls
- Events are time or input dependent for specific control needs
- Centralized event control in STARCall simplifies overall system integration

SOFTWARE TOOLS

- *PC Attendant* provides an enhanced graphic user interface to simplify view and control of many system activities
- *Report Writer* logs all system events in STARCall and makes them available to view and print
- *Student Profile* provides convenient storage and retrieval capability of critical student information like photo ID's, emergency contacts, and medication alerts



| SYSTEM FEATURE | STARCall | Plus | Fusion |
|---|-------------------------|-------------------------------------|-------------------------------------|
| Two-way intercom for voice communication | • | • | • |
| All-page for general announcements | • | • | • |
| Zone page for announcements to selected areas | • | • | • |
| Program distribution via CD, cassette, tuner, etc. | • | • | • |
| Master clock for synchronized timekeeping | • | • | • |
| Variety of call-in devices and speakers | • | • | • |
| Integrated bell and tone signaling for schedule management and emergency situations | • | • | • |
| Remote display of system calls | • 12 basic I/O ports | • Up to 1,024 enhanced I/O ports | • Up to 1,024 enhanced I/O ports |
| In-house telephone capability | • | • | • |
| Remote system programming and diagnostics | • | • | • |
| Inputs from external devices and systems; Outputs to external devices and systems | • | • | • |
| Remote display of E911 | | • | • |
| Software application suite compatibility | | • | • |
| Non-proprietary caller ID phone compatibility | | • | • |
| Enhanced PC-based graphical user interface for zone paging, phone call management, program distribution, and overall system control | | • | • |
| Up to 32 analog trunk lines allowing StarCall to operate as a telephone system | | | • |
| Enhanced telephony package including <i>voice mail, auto attendant, PC attendant, classes of service, SMDR reporting, etc.</i> | | | • |

Dukane offers components to meet your specific needs. Examples are shown below.



CALL ANSWERING AND DISPLAY



EDUCATION STATIONS



VANDAL-PROOF STATIONS



INDUSTRIAL STATIONS



SPEAKERS