

Messaging Solutions for Today

PRODUCTS/SYSTEMS CATALOGUE.....



Secure your future...
Choose SmartLink Products!

SMART LINK
Tomorrows Technology Today

Retirement Villages - Nursecall - Fire & Evacuation - Hospital Management - Security Management

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NB: Specifications subject to change without notice

INTRODUCTION

Welcome to another edition of SmartLink International's products and systems catalogue. This catalogue has been prepared to provide you with complete information about SmartLink International's monitoring, communications and radio paging systems, including related hardware and software.

The catalogue will serve as a reference data book and consultant's handbook and is designed to be used to prepare quotations or provide assistance for writing specifications.

We have divided the catalogue into separate sections for each type of product, and into the following related areas:

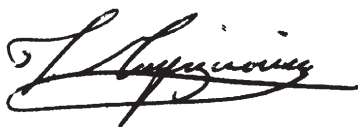
- **Monitored Communications and Radio Paging/SMS Systems**
- **Communications Software Solutions (2002 & XP)**
- **Telephoned-based Emergency Call Systems (PSTN & PABX)**
- **Wireless and Hard-wired Nurse Call Systems**
- **Dementia and Patient Profiler Systems**
- **Paging Transmitters/Receivers & Power Supplies (UPS)**

All of us at SmartLink International have an ongoing commitment to innovation in new product developments. We are constantly seeking new horizons in research, development and manufacturing. Our dedication to the highest levels of quality and reliability ensure our equipment's place as the leader in the marketplace today.

With more than 100,000 major users of SmartLink telephone-based emergency call systems and products and countless more users of our lower tier paging products, our monitoring and communication paging equipment has become the industry standard for Australia and surrounding regions.

Our customers are our most important asset and with your continuing support, we pledge to fulfil the trust you place in us.

With regards,



Anthony Magazinovic

Chief Executive Officer

SmartLink International Pty Ltd

475 Nepean Hwy Brighton 3186

Victoria Australia

Telephone: 61 3 9596 0770

Facsimile: 61 3 9596 8195

Email: smartlink@smartlink.com.au

Web Site: www.smartlink.com.au

CUSTOMER BASE

AGED CARE (RETIREMENT VILLAGES, HOSTELS & NURSING HOMES)

Aged care environments integrate the facilities of their monitoring and paging system with their **Nursecall** systems. The primary function of a monitored paging system in aged care is to contact a carer when the resident presses their Nursecall button for assistance, allowing the carer to be in immediate direct voice contact with the resident, without visiting the premises, through a SmartLink Medi-Call unit.

SmartLink incorporates several Nursecall-specific facilities that enables it to store a resident database as well as maintain in-depth statistics about staff performance. In the larger aged care sites, PABX integration is also desirable and used in much the same manner as hospitals.

HOSPITALS

In hospitals, monitored paging is primarily used for inter-staff communications via the PABX. The PABX interface enables all staff members to be permanently in touch within the hospital, either direct or through SmartLink Medi-Call units.

Hospitals also require the integration of numerous other systems into the monitored paging system such as Nursecall, Building management, Security and Fire alarms. These alarm systems generate a predetermined alphanumeric message and alert staff to potential problems.

In the larger hospitals multiple operator terminals are used to enable telephonists to dispatch paging messages based on incoming phone calls and for the general location of staff.



EMERGENCY SERVICES

The emergency services market consists of departments made up of volunteer and/or paid career emergency services personnel. As a whole, the emergency services market uses a multitude of sophisticated communications equipment of which paging plays a major role.

The pager is the ideal solution for locating a large number of mobile staff at a relatively low cost. Coupled with its group call facilities, voice-prompted telephone access and a high powered transmitter infrastructure, SmartLink monitored paging is the ideal solution for this market segment.

HOTELS AND MOTELS

Hotels utilise on-site monitoring and paging in much the same manner as hospitals, with the primary focus being on integration with the telephone system. In small hotels, simple numeric telephone paging is used where a staff member simply keys in an extension number to call back or a room number to go to.

In 5 star hotels there is an increasing trend for the integration of services such as reminder messages, BMS and Security monitoring as well as PC LAN interfaces.

Commonly contacted staff within a hotel include:

- Managers
- Maintenance
- Housekeeping and Room Service Attendants
- Concierge, Porters and Parking Attendants
- Sales, Banquet and Convention Co-ordinators
- Security Personnel
- Restaurant Manager, Waiters and Wine Stewards
- Important Guests



CLUBS & CASINOS

In most clubs, an enormous amount of playing time is wasted while patrons go hunting for a supervisor to solve a simple problem. Usually it's to claim a jackpot or perhaps they simply put their machine on reserve while they go to buy a drink.

SmartLink reduces the time poker machines stand idle. Each machine is fitted with a service call button, and every member of the floor staff wears a pager. When patrons require service, they simply press the button. The relevant pager is then activated and the poker machine number and the service requirement (eg 'Service required machine 1231 Aisle 2') is displayed on the pager.

INDUSTRIAL AND MINING

Within industrial and mining sites a monitored paging system normally provides three basic functions: emergency contact, alarm monitoring and staff communication. Personnel safety is paramount on mine sites - a monitored paging system enables emergency services staff to be contacted instantly when the need arises.

SmartLink may be integrated into process control systems and monitor a diverse range of machines and processing equipment. The SIM Paging System and SmartLink Software is also used frequently in these environments to report alarm conditions to pagers.

RESTAURANTS

Maitre'd is a staff contacting system that enables chefs to contact waiters as soon as food is ready to be served. The operation of the system is very simple. When the food is placed in the serving window, the chef presses the corresponding button of the waiter they want, and the pager vibrates silently on the waiter's belt or in their pocket.

Restaurants pride themselves on customer service and have an active interest in reducing the labour costs associated with high staffing levels. The basis of the system is that idle staff cost the same amount of money as busy staff, so by reducing the number of idle staff we increase your bottom line.



MONITORED COMMUNICATIONS

On or off-site Monitored Communications is an exciting and dynamic technology. It is at the forefront of a myriad of technologies encompassing telecommunications, information technology and systems integration. An on or off-site monitoring and paging/SMS system enables an organisation to establish its own private monitoring and paging/SMS operation. This allows for the simple low cost establishment of a mobile communications infrastructure.

Depending on your application, the coverage region may either be within your premises (such as a retirement village, hostel or hospital), cover a much greater region such as a mining site, or in the case of emergency services, an entire shire or council area.

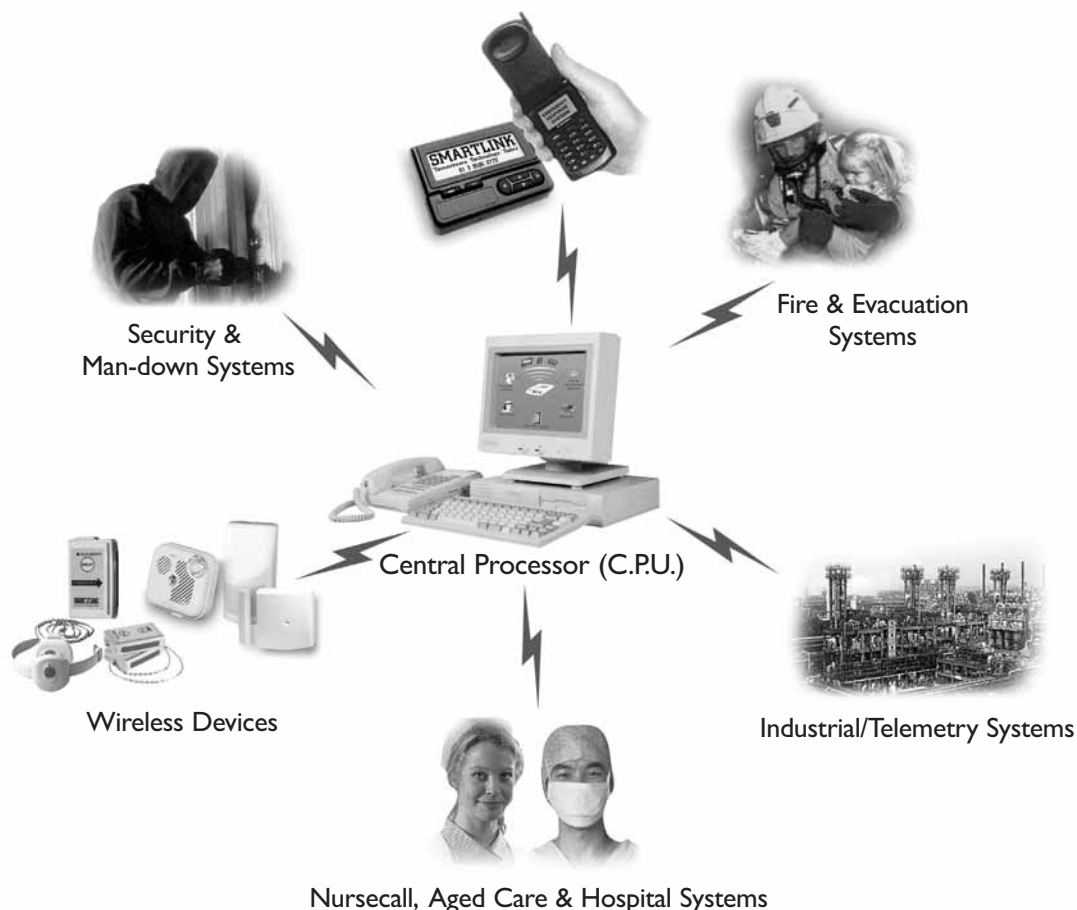
Some of the advantages in establishing your own monitoring and paging network are as follows:

- Instant mobile communications and monitoring response.

- Ability to locate staff without delay, ideal for emergency situations.
- Minimal ongoing communication expenses.
- A cost-effective method of arming your staff with mobile communications.

A typical on-site monitored paging system provides more than mobile communications. It often includes the integration of several technologies providing significant increases in staff and factory efficiency:

- Critical alarm conditions may be monitored electronically and reported directly to the appropriate staff, reducing valuable machine downtime and or emergency responses.
- Any telephone, whether off-site or within your premises (PSTN or PABX) may be used to immediately contact staff. Messages can also be sent via a telephone keypad.
- Computer systems may be used to send complete alphanumeric messages to staff informing them where ever they are of duties to perform.



“SMARTWATCH XP”

When Windows became the world's most popular operating system, forward planning and technical innovation also allowed SmartLink to launch its next generation communications platform. Now 24-hour emergency monitoring, coupled with the incorporation of automatic paging, networking and SMS dispatch systems from emergency calls, ensures SmartLink continues to lead the way in closed loop, monitored emergency call systems.

FEATURES

Easy Windows operation, pull-down icons and easy file operation. Ability to handle or store alarms in various configurations. Log on/off facilities. Accepts up to 16 line card receivers (SmartLink SCUs). Multiple alarm processing capabilities with fixed client history (medical or otherwise) as well as notes per individual alarm event capabilities. PC-based complete monitoring software system 10,000 database (clients/units) project monitoring with radio wide area/local paging facilities. Monitors Ademco high speed, expanded and Contact ID communicators. Automatic fail to test exception reports, with in-built Watchdog communications failure paging (Watchdog paging). Complete package caters for up to 10,000 Ademco communication devices (PSTN & PABX) or Medi Call units with facilities for up to 1,000,000 local/wide area pagers and or GSM data transfer (mobile phones).

‘SmartLink continues to lead the way in closed loop monitored emergency call systems.’



TECH TALK

“SMARTWATCH XP” GENERAL

- Easy Windows operation.
- In-built Watchdog software facilities.
- Pull-down icons and easy file operation.
- Ability to handle or store alarms in various configurations, with Log on/off facilities.
- Multiple alarm processing capabilities with fixed client history (medical or otherwise).
- Processing notes per individual alarm event capabilities.
- 1,000,000 Pagers, mobiles phones, DECT handsets or email addresses
- 10,000 Groups (With any combination of recipients) and 10,000 Departments
- 10,000 Client Computers (per server) with 64 x RS232C Serial Ports (per server)
- Client/Server, TCP/IP Communications. Server runs as a service
- Encrypted Transport Control Protocol / Internet Protocol (TCP/IP)

“SMARTWATCH XP” (continued)

SmartWatch represents the most advanced computer-based, on-site or remote monitoring paging platform available in the world today. The basic architecture behind SmartWatch harnesses the full power of an Intel Pentium.

ALARM MONITORING

By utilising a number of SmartLink Telephone based Medi-Call units as well as Wireless and Hardwired Call points, SmartWatch can monitor a diverse range of alarms such as medical, fire and security systems or alternatively remotely monitor machines or service call points, both on site or remotely.

This means that as soon as an alarm is triggered, a predetermined message describing the alarm, its location, as well as any details concerning the alarm, will be instantly sent to the appropriate personnel (based on a staff roster schedule) to cater for different staffing levels during the day and night. Full automatic exception reports and system failure (Watchdog) features are also included as well as the ability to customise alarm types to suit individual requirements.

PABX INTERFACE

A voice-prompted telephone interface enables staff to send messages directly to pagers without the assistance of an operator. By utilising a telephone extension, a calling party can contact any member or group of staff, no matter

where they are. The calling party can then send an alphanumeric message or their own custom-made numeric messages. Also, staff can perform a number of functions such as call diversion, buddy paging and absent/present services.

MANUAL PAGING AND REMINDER MESSAGES

Manual paging allows operators to contact key personnel quickly and efficiently. Operators have the ability to contact any number of personnel simultaneously by simply selecting them from an alphabetically sorted list of pagers and groups.

SmartWatch supports multiple operator terminals. Message entry is extremely easy and quick, allowing the operators to select from a predefined library of messages or freeform text.

SmartWatch also incorporates automatic fail to test reports (exception reports) to monitored field units (alarms) that have failed to check in to the computer, as well as automatic system failure (Watchdog) communication to service pager.

SmartWatch also allows operators to book calls at any time for up to two years in advance. If situations change, a reminder message may be simply adjusted to suit the new requirements.

TECH TALK

“SMARTWATCH XP” GENERAL

- Monitors Smarthink and Ademco Contact ID and expanded communication devices.
- PC-based, high end radio paging system.
- Automatic fail to test exception reports.
- On-site (POCSAG) and Wide Area (PET/TAP) Paging.
- Multiple operator terminals (up to 10,000).
- Dynamic pager and group management, automatic workload management for groups.
- 100,000 Reminder Messages and Booked Calls with unlimited forward scheduling.
- Automatic system failure communication (Watchdog paging).
- Encrypted Transport Control Protocol / Internet Protocol (TCP/IP)
- 10,000 individual clients or call point capability for all SmartLink Systems with full descriptions and unlimited records per client
- Connects up to 16 specially designated SmartLink serial ports to any combination of SmartLink's Medi-Call Dialler Units, Hard-Wired Nurse Call points and Wireless Nurse Call points
- 10,000 Call escalations, unlimited escalation steps

REPORT GENERATION AND ANALYSIS

The reporting facilities can greatly assist with staff management by allowing you to determine when and how often your staff are busy as well as the ability to determine what they were doing at those times.

Secondly, the system can also provide a level of accountability, both for staff and accounting purposes. All the administration tools that you will ever need are at your fingertips. SmartWatch XP logs all transactions to the hard disk allowing administrators to examine the complete history of calls via a Report Wizard.



HIGH LEVEL INTERFACES

“SmartWatch XP” provides a multitude of high level interfaces to suit a wide variety of individual needs encompassing a myriad of technologies.

Typically the interface is more than simply encoding a text message and sending it to a pager. The interface often integrates statistics and performance management into the basic functionality of the system. SmartWatch XP provides eight user-configurable serial ports that enables qualified installers to configure SmartWatch XP for the following facilities: Remote Diagnostics via dial-up modem, VT100 or WYSE Operator Terminals, Wide Area Paging (outgoing PET ports), Incoming PET ports, either dial up or direct connection.

INTERFACES

- Austco Nursecall
- Digi Alert
- Spider Alert
- Gladstone
- Kirk Dect
- Wescom
- Tunstall
- SmartLink SmartWire
- SmartLink Medi Alarms
- Generic
- Aritrocrat/Dacom
- Pocsag
- Script
- Ampac
- Wormald
- Call Guard
- Vital Call
- Zettler
- Jeron
- Sedco
- Tek-Tone
- Rauland-Borg
- Xacom
- SmartLink Wireless
- Alcatel Dect
- PBX Gateway
- TAP In/Out
- Email Gateway
- Remote Display
- Scope
- Honeywell
- Responder

TECH TALK

“SMARTWATCH XP” GENERAL

- 10,000 Individual Roster Schedules, unlimited number of shifts
- Outbound and Inbound emails sent and received via Simple Mail Transfer Protocol (SMTP) Client
- A multitude of high level interfaces is available, including Fire, Security, Nursecall, Duress, Poker Machines, Care Package.

PABX INTERFACE

- Voice-prompted telephone Interface (up to 64 Ports).
- Connects to two wire analogue extensions.
- Alphanumeric and numeric messages from telephone extensions, with 100 user defines messages
- Additional telephone facilities include Absent/Present, call diversion and alarm acknowledgement.

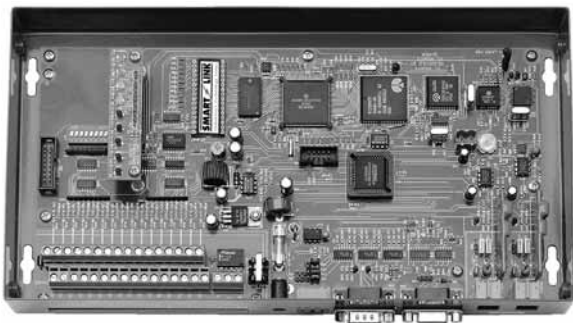
REPORTING AND STATISTICS

- Graphical analysis of call rates and trends. In-depth analysis of response times and third party interfaces.
- Report Wizard allows search criteria to be established and matching entries found.

SMARTLINK RECEIVER (SCU)

SCU is a stand alone line card receiver complete with plug pack. It has 16 hardwired inputs, caters for 10,000 individual Ademco communication devices or clients (either through a standard PSTN or PABX network), accepts Ademco high speed, expanded and contact ID. Facilities include automatic communications diagnostics, direct paging, stores and buffs up to 500 calls. An RJ12, 2 wire analogue extension is included in the SCU, which is suitable for PSTN and PABX access. The SCU communicates to SmartLink “2002” and XP via an RS232/485/ DB9/ 2 wire connector port.

The SCU, through SmartLink “2002” and SmartWatch XP provides the latest in telephone-based monitored paging systems providing an extensive list of monitoring and paging capabilities. In its simplest form the SCU provides automatic paging and alarm monitoring, in the more sophisticated scenarios it is capable of controlling medium to large-sized monitored paging/SMS installations.



‘The SCU provides the latest in telephone-based communication systems, providing an extensive list of monitoring, paging and messaging capabilities.’

Ideally suited for the traditional on-site monitoring and paging markets, the SCU provides several additional facilities specifically for use in emergency services for remote monitoring and wide area paging also.

ALARM MONITORING (PABX/PSTN)

32 hard-wired alarm inputs are also supplied on the SCU with the ability to expand this through the use of SmartLink “2002” and XP software and SIM modules. It also has the ability to monitor up to 10,000 Ademco communication devices (SmartLink Medi-Call units or other) either through PSTN or PABX networks making this device the ultimate in on-site or off-site monitoring and paging. As soon as an alarm is triggered a predetermined message describing the alarm, its location as well as any details concerning the alarm will be instantly sent to the appropriate personnel.

RELAY OUTPUT

The Watchdog relay output is used to provide an external output for interfacing into third party systems. The relay output is controlled via the alarm inputs and computer allowing for a unique “watchdog” fail safe system.

TECH TALK

SCU RECEIVER

- Monitors Ademco high speed, expanded and contact ID (10,000 clients/devices).
- RJ12, 2 wire analogue extension for PSTN access.
- Powerful 68HC16 processor.
- On-board RS232/485 port for PC connection. Open architecture permits third parties to develop interface software.
- Inbuilt automatic “watchdog” fail safe system.
- 32 hard-wired Alarm Inputs capable of expansion with the use of SmartLink Interface Modules to 512 inputs through SmartWatch XP Software.
- Single relay output to activate external lights, buzzers or pagers (fail safe).
- Multiple LEDs to indicate status.
- Stores and buffs up to 500 events.

SERIAL EXTENDER CARD

The Serial Extender Card is a multiport serial card that enables SmartLink to support a variety of services not available with the base system. The card is used when a client requires additional inputs, operator terminals, remote diagnostics, inter-site networking and or interfacing into a wide area paging company.

OPERATOR TERMINALS

The serial extender card allows the establishment of the operator terminals and supports both the DEC VT100 and WYSE 30 terminal standards (or a Windows terminal running VT100 emulation).

From a terminal an operator may perform or monitor the following functions:

- Manual Paging
- Message Retrieval
- Pager & Group Modification
- Review Facilities
- Display Active Alarms
- Display Installed Alarms
- Absence/Presence
- System Status
- Clear Call Counters
- File Management
- Average Response Times
- System Maintenance



TECH TALK

SERIAL EXTENDER CARD

(INCLUDED IN SMARTLINK-4 MONITORING SOFTWARE PACKAGE)

- 8 Port RS232C Serial Card.
- Communications rates from 110 to 115,200 baud.
- Additional terminals for message entry and retrieval.
- Remote Diagnostics via dial-up modem.
- Dial-out PET Protocol for wide area paging or dial-up access into host SmartLink systems.
- Dial-up Incoming PET Protocol, allowing other

PABX INTERFACE

The PABX Interface provided by SmartLink enables staff to bypass the switchboard and send messages directly to pagers. This facility is essential for sites that have a large pager population, as it relieves the workload of the central switchboard.



The entire paging process is voice-prompted, ensuring that clear and precise instructions on how to contact staff are given to users.

TECH TALK

PABX INTERFACE

- Selection of 100 user defined voice prompts guide users through the paging process.
- Plugs into any serial port on the PC.
- Up to 100 channels of voice-prompted telephone access.
- Each PABX channel is user-configurable.
- Tone Prompting operation for non-English speaking areas.
- Method of Looping: Ring Detect (Ring In/Loop Out).
- Receiver Signal Format: (DTMF Tone dialling).
- Answer Signal Format: Loop the Line.
- Ring In Acceptance Frequency: 12 to 70 Hz.
- Ring In Acceptance Level: 15 to 100 Vms.
- Maximum Line Looping Resistance: 700 Ohms.
- Cable requirements: 2 Wire Analogue PABX extension.
- Paging Terminal Loop resistance: 100 Ohms.

paging systems to send messages via SmartLink.

- Direct connection PET input/output ports.
- Sophisticated POCSAG output. User-configurable options for batch sizes, transmit inhibit, PTT time and data inversion.
- PET input and output permits multi-site networking.
- Each port may be either a terminal port, remote diagnostics, PET input or PET output.
- Support for up to 8 Wide Area paging carriers.

SMARTLINK INTERFACE MODULES (SIM)

(SCC CONTROLLER REQUIRED WITH THESE UNITS)

SmartLink has the ability to monitor a myriad of alarm devices, the main one being the SmartLink Medi-Call telephone-based communication device. The SmartLink Interface Module (SIM) is used where hard-wired alarm inputs are also required to supplement the wireless SmartLink Medi-Calls for conversion of existing systems and report alarm information back to SmartWatch XP. Similar to its cousin, the SmartLink Paging System (SPS) the SIM board can monitor 32 alarm inputs and multiple SIMs may be networked together to monitor a greater number of hard-wired alarm inputs as well as 10,000 SmartLink Medi-Calls or other Ademco devices.

Some of the common devices being monitored include:

- Nursecall/Emergency Call
- Building Management Systems
- Machinery Equipment
- Duress Points
- Fire Interface Panels
- Industrial Alarms
- Intruder Alarms
- Reception Attendance
- Security Alarms
- Service Call Points



ALARM MONITORING

The SIM contains 32 discrete inputs, each of which may be either opto isolated or dry contacts. Every alarm within SmartWatch has the following configuration parameters:

- Alarm name.
- Message to appear on the pager when the alarm is activated.
- Staff roster program to page different staff depending on the time of day the alarm was activated.
- Urgency level - either High or Low.
- Choice of alarm activation tone.
- Adjustable alarm activation state – either High or Low.

ROSTER PROGRAMMING

The roster schedules within SmartWatch XP determine which staff to contact when an alarm is activated. This facility is useful for instances when different staff are required, depending on when the alarm occurred.

SmartWatch XP allows for the configuration of 50 separate personnel rosters, each with 4 different shifts.

ALARM REPORTING AND STATISTICS

SmartWatch XP maintains an assortment of statistics about the alarm networking detailing the frequency of use as well as the average response times to alarms.

All alarm activations (and responses) are logged to the computer's hard disk for later retrievals via the Report Wizard.

TECH TALK

SMARTLINK INTERFACE MODULES

- Maximum capacity of 2016 alarms via 63 SIMs.
- Available in either opto isolated or contact closure.
- LED status indicators to indicate SIM operation.
- Microprocessor-controlled and CMOS circuitry.
- Lightning protection for communications and power.
- DIP switch selectable node address and communication rate.
- Operating voltage 11-16 Volts DC.
- Low power detection at 10.5 Volts DC.
- Optically isolated inputs.
- Operating voltage 5-40 Volts AC, 5-60 Volts DC.
- Off-voltage range <2 Volts AC/DC.
- Isolation between contact closures : 40 Volts AC/60 Volts DC.
- Loop Resistance: Maximum to operate 1K5 (Open circuit >5K).
- Weight 1.825 Kg.

SCC CONTROLLER

(REQUIRED WITH SIM MODULES)

The SCC Controller enables SmartLink to communicate with its own network of Alarm Interface Modules. By utilising a number of remotely locatable SmartLink Interface Modules (SIMs), SmartLink can be used to monitor a further diverse range of hard-wired alarm inputs such as nursecall, fire evacuation systems, security systems or alternatively remotely monitor machines or service call points.

The SmartLink Interface Module (SIM) is an “intelligent” microprocessor-controlled remote alarm monitoring device that is designed to report state changes for each of its inputs to a SmartLink radio paging system.

Each SIM connected within the network is an integral part of your remote alarm reporting facilities. Power and communications are provided by a single two-pair shielded cable for the entire network.



As soon as an alarm is triggered a predetermined message describing the alarm, its location as well as any details concerning the alarm will be instantly sent to the appropriate personnel based on staff roster schedule to cater for different staffing levels.

The SCC Controller utilises an industrial communications protocol referred to as RS485. The RS485 medium is a balanced line protocol, which makes it ideal for noisy environments or long cable runs. In addition to being a balanced line medium, RS485 also permits multidrop, allowing multiple devices on a common bus.

SmartLink constantly maintains the integrity of the SIM network by polling each SIM board in sequence. Should a SIM board fail, SmartLink will immediately alert the maintenance officer to the problem and recommend corrective measures.

The SCC Controller is suitable for installation into the SmartLink PC. The card has transmit and receive LEDs to assist in the installation of the system and provide a visual confirmation to installers of its operation.

A single SCC Controller can communicate to 63 SIM boards, allowing a maximum alarm capacity of 2016 discrete inputs.

TECH TALK

SCC CONTROLLER CARD

- Plugs into any serial port.
- RS485/232 Operation. Balanced line industrial strength communications protocol, designed for multidrop situations.
- Provides reliable communications to SmartLink Alarm Interface Modules (SIMs) from 1200 baud up to 9600 baud.
- Maximum response time from alarm activation to registration is less than 100ms.
- Support for up to 63 Alarm Interface Modules on a common bus, totalling 2016 discrete alarm inputs.
- Reliable communications to SIM up to one kilometre.
- In-built self diagnostics and recovery ensures trouble-free operation of SIMs.

SMARTLINK INTERFACES

SmartLink supports protocols from a myriad of industries. These interfaces enable SmartLink to communicate closely with a host system, providing a close synergy between the two systems.

NURSECALL & DURESS

SmartLink has a selection of Nursecall interfaces available, each supporting different protocols and features.

- Nursecalls are sent to pagers on a roster program or by assignment.
- Nursecalls are displayed so that staff know who's waiting for assistance.
- SmartLink maintains statistics and reports about the call frequency.
- SmartLink incorporates a complete resident database.
- Interfaces – Austco, DECT, ASC, Westcom, Spyder etc.

POKER MACHINE INTERFACES

The focus on statistics and staff performance is paramount for the poker machine interface. SmartLink becomes more than simply a paging system when coupled with poker machines, as SmartLink also supports the following enhancements:

- Poker machine alarms and user requests go out to paging.

- Poker machine alarms are displayed on the screen.
- SmartLink maintains statistics about response times, call escalation and logging and reporting of calls.
- SmartLink maintains statistics about individual staff performance.

SL PLUS

SL PLUS is a PC-based text analyser that converts ASCII text into PET protocol suitable for re-transmission into SmartLink, or any other paging system that can accept incoming PET protocol.

FIRE, BMS AND SECURITY ALARMS

SmartLink supports a multitude of fire and security system interfaces. The functionality of the interfaces varies depending on the complexity of the protocol.

MODBUS

The modbus protocol is commonly used in telemetry circles and is a universal industrial communication protocol. SmartLink communicates to a device supporting the Modbus protocol.

TECH TALK

NURSECALL INTERFACES

- Nursecall alarms are sent to pager via roster program.
- Nurses may be assigned directly to patients/residents.
- In-built statistical analysis of response times with summaries available on an individual or ward basis.
- In-built resident database.
- Supports the majority of nursecall manufacturers.
- Fully integrates hospital and aged care nursecall with the on-site paging system.

POKER MACHINE INTERFACES

- All poker machine alarms and patron requests are sent to pagers.
- Individual roster schedules.

- In-built statistical analysis of response times and performance evaluation with summaries available.
- Graphical representation of average response times.
- Maximum capacity of 2,000 machines over 20 zones.

SL PLUS

- Generic text analysis – allows interfacing into practically any alarm system that provides a printer output.
- PET Output/Staff roster assignment.
- All alarms logged to hard disk for future reference.

FIRE & SECURITY ALARMS

- Fire and security alarms reported directly to pagers.
- All alarms logged to hard disk for future reference.
- Staff Roster Assignment (page different staff depending on what time of the day the alarm was activated).

TELEPHONE-BASED EMERGENCY CALL SYSTEMS



Retirement Villages - Nursecall - Fire & Evacuation - Hospital Management - Security Management

TELEPHONE-BASED EMERGENCY CALL SYSTEMS



MESSAGING SOLUTIONS FOR TODAY

SmartLink is now regarded as one of the most advanced telephone-based emergency call and communication systems available today. Totally designed and manufactured in Australia, SmartLink's unique approach to the long overdue demand by consultants and consumers for a complete user-friendly emergency call system has made SmartLink the industry leader in its field.

Many existing emergency call systems lack the flexibility to meet changing standards and operating requirements essential in today's communication world. SmartLink however, coupled with its unique monitoring/paging software (SmartLink "2002") and Windows-based remote up/download capabilities excels in meeting a customer's ever-changing needs for complete care and safety.

SmartLink has wide-ranging capabilities for providing rapid and reliable emergency communications via a standard telephone line. Being totally compatible with all analogue PABX systems and the public telephone network (PSTN), SmartLink has distinct advantages well above the rest when it comes to a cost-effective integrated communications approach. SmartLink provides **voice, data, wireless and hard-wired connections** to any project for precise individual requirements per site.

The design engineering of SmartLink products and software make it the only real choice for effective communication in **Retirement Villages, Private Residences, Universities, Shopping Centres, Building Management, Sporting Complexes, Lifts, Hostels, Hospitals**, and a host of other project applications.

FEATURES & BENEFITS

- Totally designed and manufactured in Australia.
- Automatic two-way voice contact in emergencies.
- Answers incoming calls remotely via Radio Key "Hands Free".
- Uses latest surface mount technology for reliability.
- Automatic system test and Pill Reminder Timer.
- Inactivity Timer and Telephone Line failure alarms.
- In-built range test function.
- Remote speaker attachments.
- Sits neatly under an existing telephone.
- Dementia monitoring capabilities.
- 4 programmable phone numbers.
- Contacts – monitoring centre, paging or telephones on or off-site.
- Local and remote programming/control with full up/download capabilities .
- Up to 250 hr (10-day) rechargeable Ni-MH battery back up.
- Automatic power fail and low battery reporting.
- Wireless radio inputs plus hardwired inputs/outputs.
- UHF high security wireless devices (eliminating costly installations).
- Supports separate codes for group (multi-client) identification.
- Programmable Radio Devices (PIRs, Reeds, Smoke, Inactivity, Dementia, Man-down etc.
- Programmable Contact ID, Ademco or British standard format.
- In-built RS232 ports (for third party interfacing).
- Remote control features (eg. switch lights, doors, appliances, etc.).
- Complies with Australian Standard AS2999/4607, AS2201.4 (C2), AS4268.2, AS3548, AS3260, EN50081.1, TS001, TS002, TS008 and manufactured to International ISO9001 World Quality Standard.



SMARTLINK FEATURES

EASY TO UNDERSTAND AND OPERATE

SmartLink is activated by simply pressing a radio key. These can be worn on a key ring around the neck or on the wrist using a wristwatch strap. This flexibility allows the user to be comfortable and confident in their ability to control any situation and instantly summon assistance 24 hours a day.

SIMPLE TO INSTALL

SmartLink could not be simpler to install. The unit is fully self-contained and can be installed in minutes. Simply plug in the AC adapter, unplug the telephone line from the telephone and plug it into the "Line In" socket of the SmartLink. Most installations are really that simple!

COMMUNITY FEATURE

SmartLink also caters for multiple users as each Radio Key has its own unique identification code. This design flexibility also allows for many additional specialised applications.

POWERFUL PROGRAMMING OPTIONS

SmartLink's uncomplicated exterior cloaks its powerful micro-processor that allows full programmability of all functions via the two buttons on the main unit, Radio Key or a Remote Computer. All of SmartLink's features are easily accessible for customising to suit individual requirements.

REMOTE MONITORING

SmartLink is designed to provide the user with the ultimate in wireless protection and reliability and therefore peace of mind. SmartLink summons assistance by transmitting messages via the telephone line to a central monitoring station. Notification of the need of assistance is only seconds away.

VOICE BACK FEATURE

SmartLink will automatically answer an incoming call Hands Free after an alarm has been sent. This special feature is designed to provide immediate voice communication to a remote operator, automatically providing the user with confidence that help is near. This unique feature also allows the carer or operator to immediately gain valuable information that will assist in making fast, correct decisions that may make all the difference! There is also a facility allowing you to answer the telephone without physically lifting the handset in Hands Free mode from your wristwatch radio key.

ANCILLARY DEVICES

RADIO KEYS

SmartLink's real power is unlocked by these simple devices. Operation could not be easier: Simply pressing the buttons on the Radio Key will control the main unit for total care and protection. SmartLink is also capable of identifying individual Radio Keys. Radio Key Low Battery signals are also transmitted to SmartLink when the battery requires replacement.

RADIO DETECTORS

PIRs, REEDS, SMOKE, INACTIVITY, DEMENTIA, MAN-DOWN DEVICES etc.

One of the important features of the SmartLink is its ability to add or delete radio detection devices easily as required, eliminating costly installations to suit any requirement and allowing easy portability if relocating. All devices are programmable for either medical, silent, home, away, fire and even tells you if you have left a door or window open when leaving.

MAN-DOWN

MAN-DOWN & DEMENTIA PENDANTS

SmartLink has also developed a variety of easy to install, wireless Man-Down pendants and Dementia Radio Keys to complement the already extensive SmartLink range. Having a fall or wandering away from home need not be stressful with the knowledge that these devices will automatically summons the appropriate assistance, for complete piece of mind!



Dimensions
(L 60mm x W 40mm x D 15mm)

"Total Peace of Mind"

SMARTLINK SPECIFICATIONS

(Subject to change without notice)

MAIN UNIT:

Dimensions - 286mm x 174mm x 38mm

Weight - 500gms

Quiescent Current - 1mA

AC Plug Pack - 17V AC 300mA with integral earth

Battery Backup - Ni-MH (rechargeable)

Battery Life - Between 3 and 5 years (subject to environmental conditions), up to 250 hrs (mains fail, no events), up to 200 hrs (mains fail, 1 alarm per day)

RADIO RECEIVER:

Type - Superheterodyne

Frequency - 303.875 Mhz

Sensitivity - >-100dbm

Range - 50 metres open air site (subject to environmental conditions)

RADIO TRANSMITTER:

Type - SA WR stabilised

Frequency - 303.875 Mhz

Power Output - >-10uW

Battery - 12V olt Alkaline (Box Style)
3 Volt Lithium (Watch Style)



Messaging Solutions for Today

SmartLink International is proud to have won several "New Product Awards" (Technology) in recent Asia Pacific Hospital and Healthcare Exhibitions (World Trade Centre) incorporating the Australian, Asian and New Zealand regions. SmartLink was also recently awarded the prestigious "Australasian Industry Supplier of the Year" award.

SmartLink now represents the latest in telephone-based emergency call systems, available today.

The 'SmartLink' simply plugs into any existing telephone, instantly taking care of any emergency or monitoring situation required.

Whether the emergency be medical, fire, security or any type of urgent situation, an automatic response is catered for. A user can also simply push a button worn or carried (wrist watch, necklace or keyring) which summons immediate help through external or on-site monitoring/paging facilities. It's like having a full-time carer that never sleeps.



SmartLink transmits both voice and data for complete care, which could make all the difference in an emergency!



If you or your organisation are considering an emergency or security call system, or intend to upgrade an existing system, our SmartLink products are the only real choice.

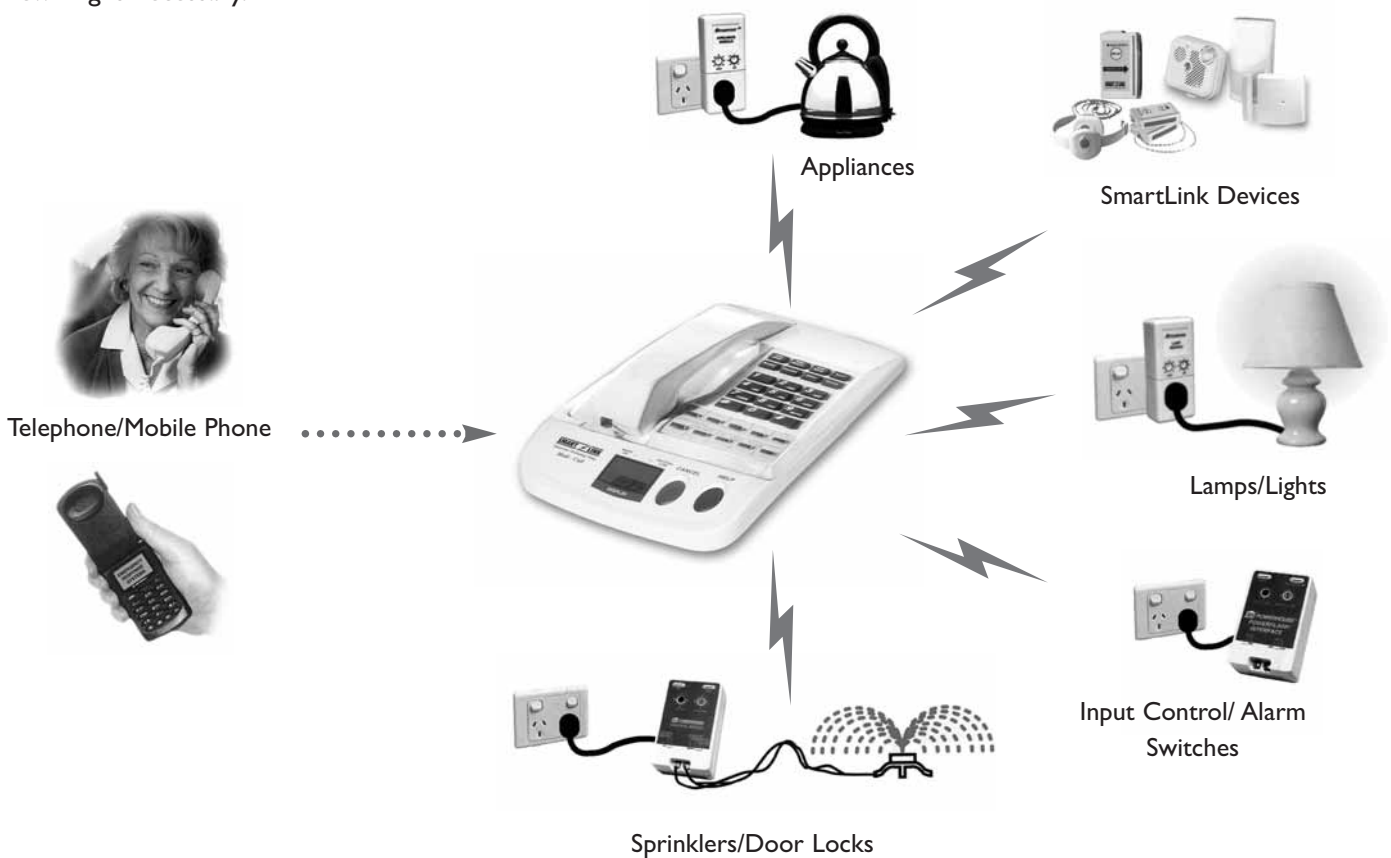
Our service, technology, price and reliability of equipment we believe is unequalled in the marketplace today.

Secure your future...
Choose SmartLink Products!

SMART LINK
Tomorrows Technology Today

SMARTHOUSE SYSTEMS

SmartLink is proud to release Smarthouse, the latest in home automation, directly controlled either remotely or locally through any SmartLink Medi-Call unit. The concept is based on the latest technology called X10. X10 is a protocol which allows all of your lights and appliances to communicate through existing electrical wiring in the premises. No rewiring is necessary.



Now through your SmartLink unit you have total control both remotely and locally for total care and peace of mind.

TECH TALK

SMARTHOUSE SYSTEMS

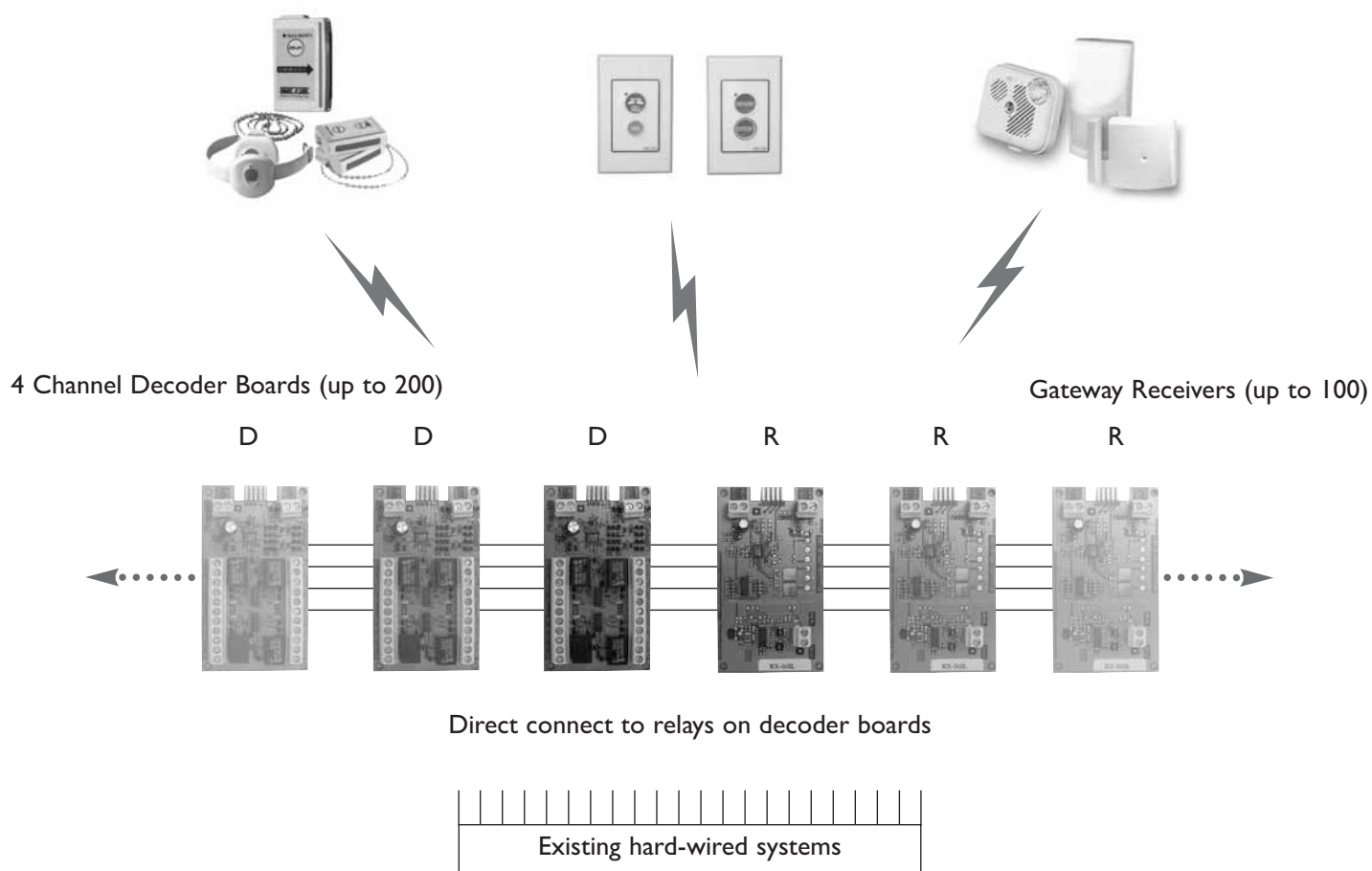
- Control – Logic high through SmartLink outputs.
- Supply voltage 230v $\pm$ 10%/50Hz.
- Supply current 20MA copositive.
- Module dimensions 52w x 75h x 33d (mm).
- Interface – Dry contact input.
- Universal – N/O continuous and momentary options.

RECEIVERS - UNIVERSAL

SmartLink has just developed a complete range of state-of-the-art Gateway receiver and decoder units. Now all SmartLink's unique wireless devices (Wristwatches, Man-Down, PIRs, Pendants, Smoke Detectors etc.) can be added to any **existing** hard-wired system for complete integration.

Just by installing any number of Gateway receivers (up to 100 for large sites) and decoder boards (up to 200, 4 inputs per decoder) you now have the capacity to convert up to 800 hard-wired call points with four wireless devices per point for true wireless compatibility.

WIRELESS DEVICES



TECH TALK

RECEIVERS - UNIVERSAL

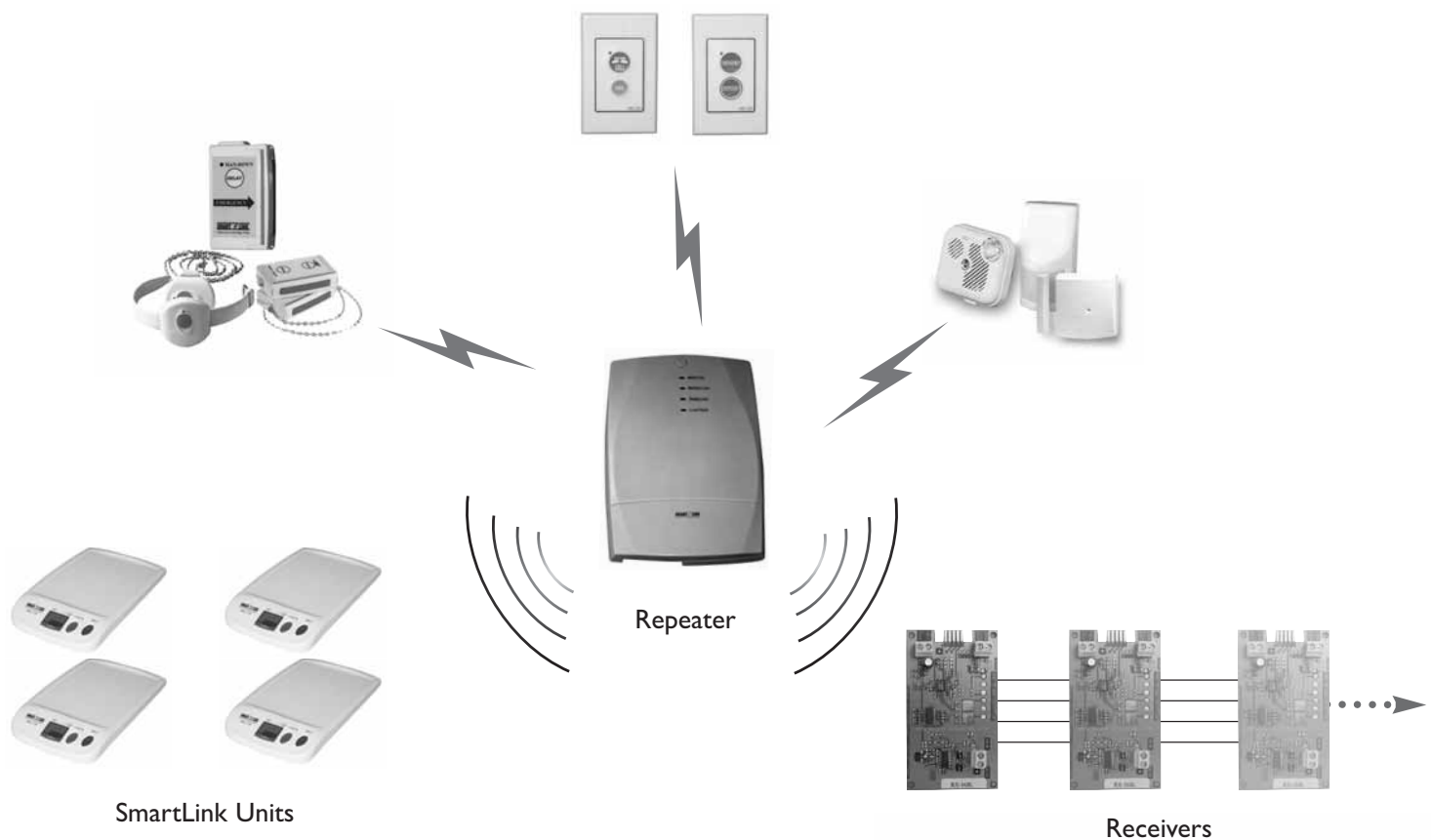
- 4 wire bus connection (Data and power).
- 12v DC regulated supply.
- Data processed for multiple receivers.
- Slave decoders – 4 relays per decoder.
- Relays latch/Unlatch/pulse, fire open collector etc.
- Low battery open collector.
- 304Mhz Superhetrodyne.
- >-100dbm.

REPEATER TRANSCIEVER

Now, range problems are a thing of the past with SmartLink's unique stand alone repeater. Take care of that harsh or remote condition by simply plugging in a SmartLink repeater into any power outlet. It is really that simple!

When the repeater receives a valid signal from any SmartLink wireless device it will automatically decode, store and buff then relay that transmission to any remote unit for appropriate action.

WIRELESS DEVICES



TECH TALK

REPEATER TRANSCIEVER

- Power – 16v AC plug pack.
- Rechargeable back-up battery NiMH.
- Decoder transmitter SAWR stabilised.
- Frequency 303.875 Mhz.
- Receiver sensitivity >-100dbm.
- Type, Superheterodyne.

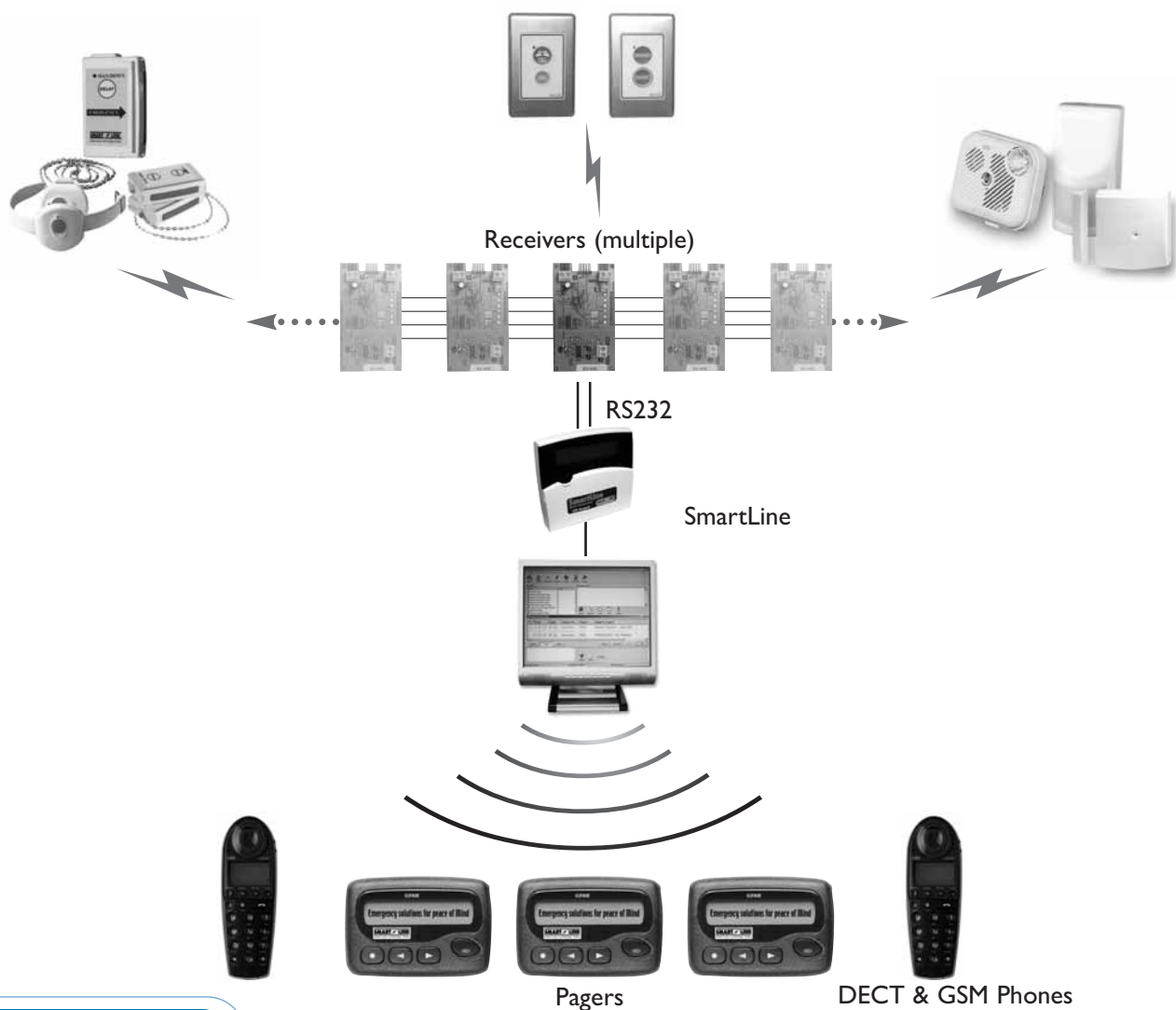
SMARTLINE DUAL WIRELESS

SmartLink is proud to launch its unique, multiple wireless integrated call system. Being processor based with direct RS232 connection to all SmartLink software, SmartLine leads the way in wireless solution technology.

All SmartLink's unique wireless devices can now be programmed directly into "SmartWatch XP" software or

the SmartPage stand alone system for a low cost wireless solution to previously difficult situations. The SmartLine really comes into its own when cabling is not an option, allowing for an alternate, cost effective installation.

Some users are: **Nursing Homes, Retirement Villages, Hostels, Hospitals, Surgeries, Restaurants, Duress, etc.**



TECH TALK

SMARTLINE DUAL WIRELESS

- Programmable to 18 modes of operation per call point
- Accepts 500 individual wireless devices per master
- Individual alarm description per device.
- 304 Mhz Gateway receivers.
- RS232 Direct computer connection.
- Accepts multiple receivers on a 4 wire bus for cellular type reception.
- Directly connects to all SmartLink software and SmartPage.
- Uses standard SmartLink Multi-channel Receivers (100-GRX)

SMARTLINK PAGING SYSTEM (SPS) (STAND ALONE, HARD-WIRED)

The SmartLink Paging System module (SPS) offers an innovative approach to on-site alarm monitoring. It provides the facility to monitor a multitude of hard-wired alarms and report them directly to an on-site pager.

Each of the 32 inputs may be programmed with a unique alphanumeric message. Once an alarm has been activated, a message describing the alarm condition appears on the pager.

Some of the common alarm monitoring applications include:

- **Nursecall/Emergency Systems**
- **Building Management**
- **Machinery Equipment**
- **Duress Points**
- **Fire Interface Panels**
- **Industrial Alarms**
- **Security Systems**
- **Service Call Points**

The unique alarm handling facilities of the SPS Paging System make it the most advanced means of getting a message to a person or a group of people quickly and efficiently from any active alarm.

Paging messages can be sent out instantly upon alarm activation or after a designated time period.

Should a person fail to respond, the SPS Paging System can repeat the paging message to ensure that an alarm situation has been responded to.

Each alarm may be programmed with the following parameters:

- Alphanumeric message to send to the pager.
- Normally Open/Normally Closed Alarm Status.
- RIC/Cap code of pager to receive this alarm.
- Time period to wait before sending out alarm message.
- Repeat paging time.
- Number of times to send the paging message.
- Call tone to send to the pager.



The SPS Paging System programmer (SPS PC) enables distributors to program the SPS Paging System. This ability reduces the turnaround time for systems and allows distributors to make modifications to their clients' systems.

TECH TALK

SMARTLINK PAGING SYSTEM (SPS)

- 32 inputs, either optically isolated or contact closure.
- Supports international standard for paging – POCSAG.
- Supports alphanumeric, numeric and tone only paging.
- Alphanumeric messages up to 32 characters and numeric messages up to 20 digits in length.
- Each input has a unique message, cap code, call tone, delay time, repeat time, number of repeats and activation state.
- Sturdy attractive metal casing.
- 11 to 16 Volts D.C. operating voltage.
- Completely PC programmable via the SPS PC.
- Multiple SPS Paging Systems may be networked into a single transmitter.
- Simple DB9 transmitter connector; compatible with all industry standard paging transmitters.
- The Scribe Message Monitor may be used for a hard copy print out of paging messages.

SMARTLINK COMPANION

“SMARTLINK COMPANION” is a unique miniture wireless voice pendant. It can be worn around the neck, in the pocket and or just next to the bed for a wide variety of applications. Typical uses range from seniors care in their own home, child monitoring and emergency response applications to staff communication and duress environments for hospital and nursing staff, retirement villages, nursing homes and or hostels.

Features include auto answering predefined numbers, placing emergency calls by a single button press, two way

communications between pendants, and conference calling as well as the ability to call additional numbers for daily test and low battery calls. Two distinct models are available.

Model SLC14 - Has full 14 button dial keypad on rear. Applications include domestic, commercial, and industrial environments as well as hospital and nursing staff communications and duress.

Model SLC3 – Has three buttons. Applications include residential aged care, seniors, staff and emergency duress applications.



SLC14



SLC3



TECH TALK

SMARTLINK COMPANION

- DECT (Digital Enhanced Cordless Telecommunications)
- GAP (Generic Access Profile)
- Frequency 1880 MHz to 1900 MHz
- 120 duplex channels, Modulation: GFSK
- 32 kbit/s Speech coding
- 10 mW (average power per channel)
- Up to 300 metres Range in open space
- Power supply: 220-240 V / 50 Hz
- rechargeable battery 37AAAM, Ni-mH 370mAh
- Up to 6 days standby, up to 3.5 hours talk time
- Charge up time: Approx 6 hours
- Temperature range +5 °C to +45 °C
- Dimensions: 57*19 mm (diameter*thickness)

SMARTWALK (DEMENTIA)

SmartWalk is a unique method of supervising and detecting wandering dementia patients. When a dementia patient has wandered from a designated area SmartWalk instantly notifies a carer or nurse, either local or remote of the event, for the protection and safety of loved ones.

OPERATION

A small radio transmitter is attached and locked on to the wrist of the patient. Door stations (resonators) are mounted near each door leading to any unsafe areas. This allows normal traffic through, but alerts and or restricts access to special patients, by either instantly locking access doors and or notifying personnel of the event.

If the patient wearing a wrist transmitter opens a monitored door, an alarm is generated, warning staff of the breach. For security at night, the system can be switched to NIGHT MODE in which any opening of a monitored door will alert staff for their own protection.

If a monitored patient opens a monitored door, the door station beeps and flashes the ALARM light, then immediately contacts the nurse's station or carer and pages the relevant staff, either locally on-site, wide area or a remote control centre.

'If the patient wearing a wrist transmitter opens a monitored door, an alarm is generated, warning staff of the breach.'

The system can be configured in several different applications. One is to instantly notify relevant personnel, both local or remote, of the event and can even lock the relevant door when the restricted patient approaches, still allowing normal traffic access.

SmartWalk can be integrated with all SmartLink products or can operate as a stand alone unit.



TECH TALK

SMARTWALK

- The most efficient way of keeping track of wandering patients (dementia).
- Easy to use, uncomplicated installation.
- Unlimited supervision: One door station can monitor an unlimited number of wrist transmitters.
- Cost-effective.
- 16VAC, 12VDC operation.
- Generates 200kHz magnetic field 1-10ft adjustable.
- Interfaces to all SmartLink products.
- Automatically locks doors if required.
- Automatically pages events, through SmartLink interfaces.

SMARTWIRE NURSECALL

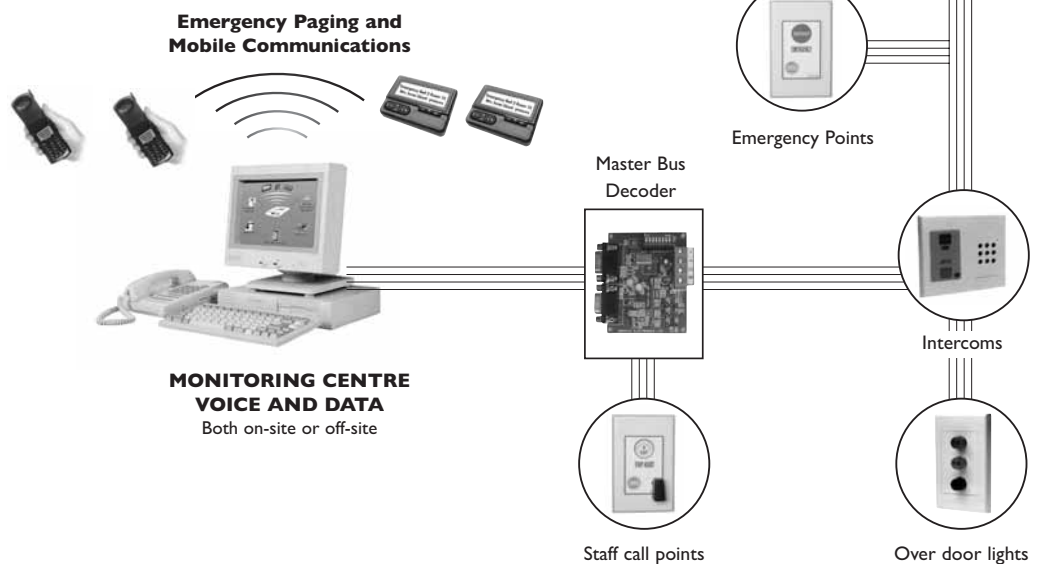
(HARD-WIRED)

SmartLink's Smartwire Call system is a dynamic hard-wired communication platform that allows for unprecedented simplicity in the design, installation, maintenance and modification of hard-wired call systems in general.

These benefits arise from the use of a communication bus, which loops from point to point throughout an installation, linking all the major components of a system. A single cable carries all the information required to display the condition of every call point, status indicator or alarm connected to the system.

Low cost cable and simple wiring makes a basic system extremely economic to design and install, but the same cabling will support sophisticated multi-functional systems, simply by connecting the appropriate devices to the bus.

Call points of different complexity can be mixed within the one installation, and can be substituted and upgraded for one another, if the function of an area is changed e.g. an upgrade from a rest home to a continuing care or hospital role.



This dynamic new system interfaces directly into all SmartLink's unique emergency call systems and software, allowing for **complete integration of telephone-based, hard-wired and wireless emergency call systems.**

TECH TALK

SMARTWIRE NURSECALL

- Low cost wiring loop.
- RS232 bus connected configuration with 100 call points per decoder.
- Five level call types (Emergency, Staff assist, Patient call, Wet area call, Nurse presence).
- Complies with AS3811.
- Continuous bus monitoring and diagnostics (watchdog).
- Special function audio and visual tones and lights.
- Integrated voice intercom.
- 12VDC, 2A power supply with battery back-up facilities.
- 300 x 3kHz programmable sounder tones.
- Optional 6 x 60 mm character tri-colour DDU displays (24VDC, 4A).
- Multiple button press escalation feature

SMARTLINK PROFILER

(DEMENTIA PATIENT PROFILER)

SmartLink's Dementia Profiler system is a dynamic activity communication platform that allows for unprecedented simplicity in the design, installation and maintenance of dementia patient monitoring systems in general.

The Patient Profiler System provides patient activity reporting to nursing staff for accurate dementia profiling and control and consists of three components (Wall Controller, Relay Module Box and the Windows Software). Individualised profiles set out for patients determine predefined times required for an alarm on each of the inputs. Two time zones also allow flexibility for day and night time operation modes. When an alarm occurs it is recorded in a log, which may be downloaded to a host computer for management analysis at a later date. This dynamic new system is a complete stand alone profiling system that can directly connect to anyone's existing or new system as well as all of SmartLink's unique emergency call, care and communications systems.



TECH TALK

SMARTWIRE NURSECALL

- Incorporates wall mount keypad with Relay Module Controller.
- Windows analysis Profiler Software **(Sold separately and required per site installation)**
- Incorporates 5 individual programmable inputs with 5 relay outputs
- Has inbuilt AND / OR logic output relay.
- Both Inputs and outputs individually controlled (out of bed, incontinence, light switching etc..)
- Auto restore when input 1 reset by returning to normal state (back in bed etc.).
- Dual Day and Night programmable time zones.
- Inbuilt log contains up to 1000 events with LED full log indicator.
- Operates on 12V DC with RJ12 connection between keypad & Controller
- Key Pad also available in flush mount (Option).

SMARTPAGE (MESSAGING SYSTEM)

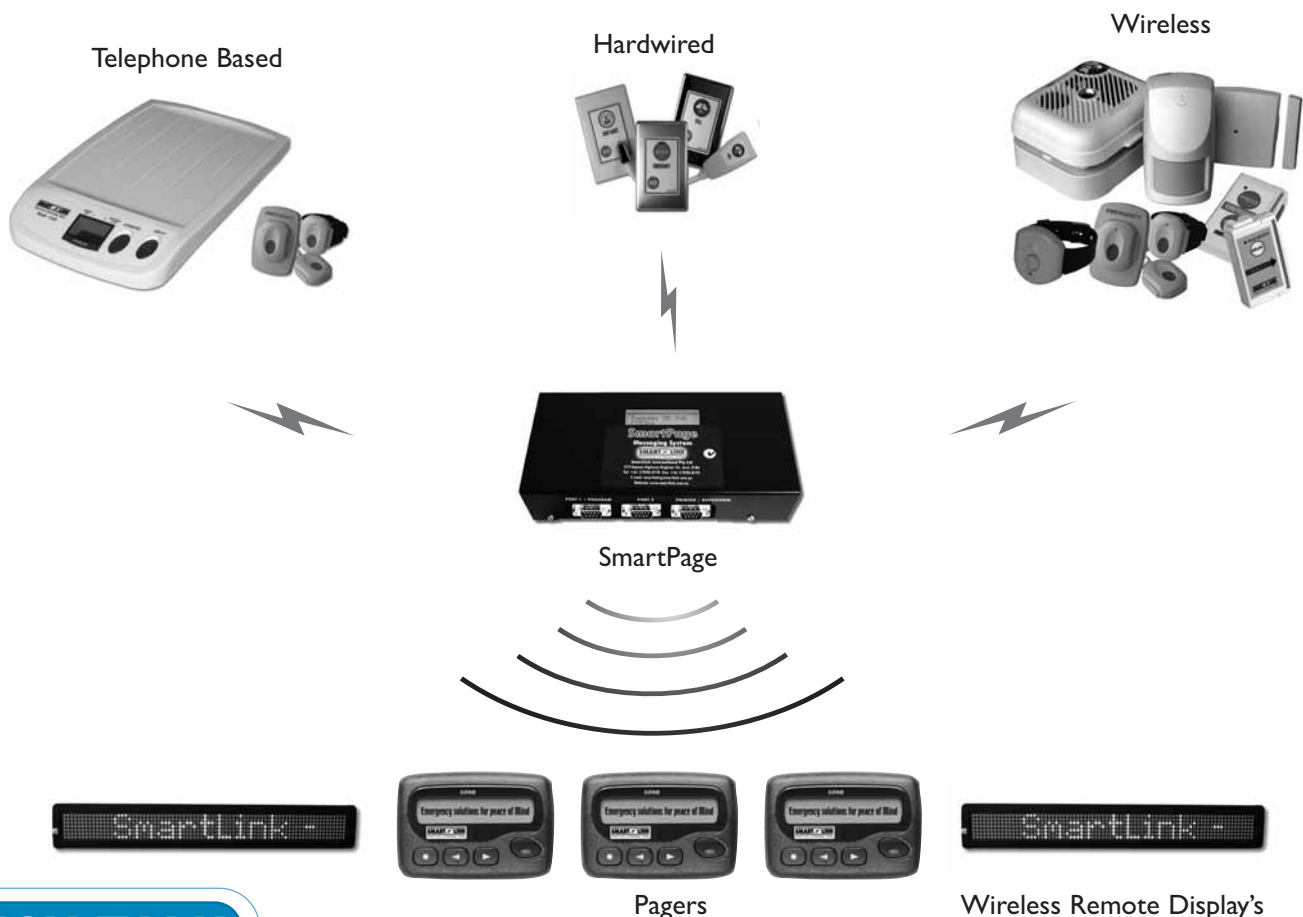
(Stand alone master messaging encoder system)

SmartLink is once again proud to launch another unique, stand alone multiple integrated call system solution. Being non-computer based, this system now allows a cost effective solution for any small to medium sized project.

Any two of SmartLink's systems (Telephone based, hardwired and or wireless) can now be connected and

programmed directly into SmartPage for instant paged messages in alphanumeric format for appropriate action of emergency or patient call situations.

Some users are: **Nursing Homes, Small Retirement Villages, Hostels, Hospitals, Surgeries, Restaurants, Gaming (Poker machines), Site Duress, etc.**



TECH TALK

SMARTPAGE

- Up to 512 pagers
- Up to 1,900 clients/devices
- Individual alarm descriptions
- Printer port for most serial printers or connection to HyperTerminal for logging events real time.
- 16 Groups 16 escalations 16 repeats
- 32 Remote displays.
- Miniature LCD screen for viewing I/C and O/G messages
- Inbuilt optional buzzer on incoming alarms
- Connects to a large range of paging transmitters (local Area).
- Includes programming software package for quick and easy setup.
- Group pagers, escalations and repeat paging functions to numerous cap codes.
- Accepts any two SmartLink systems (Telephone based wireless and or hardwired)

SMARTLINK WIRELESS REMOTE DISPLAY

The SmartLink Wireless Remote display is a unique wireless decoding system for integrating all SmartLink's systems (Telephone based, Wireless and Hard wired) to a remote location. Now with a simple plug and play method, paged messages can be received and displayed in large text to any remote location within a paging transmitters range. Instant remote controlled display messages can be received throughout the complex or site with the only requirement being a 240V power outlet

Each receiver has the capacity to handle four digital display signs with inbuilt message sounder and predefined tones per type of alarm. It also incorporates auto queuing with defined colours of highest priority alarm type and is compatible with SmartLink and Beta-Brite & 215C Adaptive displays.



Wireless Remote Display's



TECH TALK

SMARTLINK WIRELESS DISPLAY

- Power supply 12VDC 1.5A plug pack
- Accepts up to four separate signs with direct RS232 connections
- Accepts four different cap codes
- RJ12 to RJ12 connections to signs
- Inbuilt sounder with predefined tones per type of alarm
- Compatible with Beta Bright & 215 Adaptive signs & SmartLink signs
- Auto selects three separate colours depending on priority alarm type (Red, Yellow, Green)
- Queuing capability and highest priority displayed with adjustable display times
- Inbuilt watch dog cap code function.

PAGERS

PAGER PROGRAMMING SERVICES

SmartLink provides a pager programming service to change the parameters of Genie and Digi pagers. The SmartLink range includes all Australian frequencies in stock.

GENIE

Display.....Alphanumeric (two line), 40 chr display
Frequency VHF and UHF available
Display lighting Automatic when key pressed
Message capacity 65 messages, 240 chrs per message
Alert types.....Beep codes, melody and vibration
Cap Codes Four cap codes available
Weight 65g
Battery life 1100 hours

DIGI

Display.....Numeric (single line display)
Frequency VHF and UHF available
Display lighting Automatic when key pressed
Message capacity 14 messages, 12 chrs per message
Alert types.....Beep codes and vibration
Cap Codes Four cap codes available
Weight 50g
Battery Life 1000 hours



GENIE PAGER

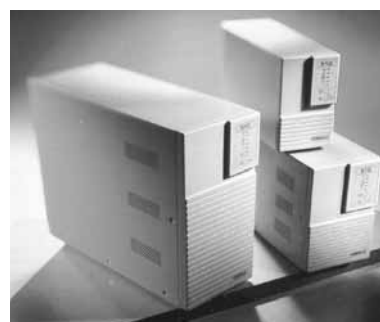


DIGI PAGER

UNINTERRUPTABLE POWER SUPPLIES (UPS)

FEATURES AND BENEFITS

- *Sine wave output.* Sine wave inverter technology is compatible with the widest variety of loads, including switch-mode power supplies.
- *Critical protection when power fails.* When a blackout occurs, the SOLA 510 instantly transfers to internal battery without interrupting your critical load.
- *Voltage regulation.* If incoming voltage is low, the SOLA 510 boosts output voltage without draining the internal battery. If line voltage is too high, the SOLA 510 automatically switches to battery power.
- *System communications.* SOLA 510 communicates critical information to your computer or network via RS-232 through the DB-9 port on the rear panel of the unit. SNMP ready.
- *Diagnostics.* Functionality and battery status are automatically tested upon system start up. Front panel buttons confirm proper UPS operation and display size of supported load.
- *Internal, maintenance-free battery.* SOLA 510 is equipped with a high-quality, long life, rechargeable battery.



UPS

5 WATT TRANSMITTER

PT500 (5 WATT PAGING TRANSMITTER)

The PT500 is a universal POCSAG paging transmitter designed specifically for in-house paging applications. The unit is ideal for connection into either SmartLink manufactured paging systems or those of third party vendors.

Designed to international performance standards, the PT500 is capable of outputting 5 Watts of power, providing ample coverage for the majority of sites.

Operating on the VHF paging band the PT500 provides excellent in-building penetration as well as long range. The transmitter also supports a 'channel busy' function that ensures the channel is available prior to transmission commencing. This ensures that message corruption does not occur on the public paging frequencies.

The PT500 includes an industry standard DB9 connection suitable for connection into paging encoders that generate either TTL or RS232 signalling levels.

The transmitter is housed in an industrial strength, metal enclosure finished in an aesthetically pleasing beige colour.

5 WATT



FEATURE OVERVIEW

- 5 Watt VHF Paging Transmitter rated for 100% Duty Cycle.
- SmartLink has a range of paging transmitters designed specifically for in-house paging applications. The transmitters are ideal for connection into either SmartLink manufactured paging systems or those of third party vendors.

4 WATT TRANSMITTER

PT400 (4 WATT PAGING TRANSMITTER)

Designed to international performance standards, the PT400 is capable of outputting 4 Watts of power, providing ample coverage for the majority of sites. It is suitable for low volume sites such as aged care sites and small to medium commercial applications.

The PT400 is a fully synthesised unit operating on the VHF paging band. An alphanumeric interface is available for the PT400 enabling ASCII data to be transmitted to the unit and the PT400 will encode this data into POCSAG.

4 WATT



TECH TALK

PT500

- Operates directly from 240v AC mains power.
- Will charge battery and run off 12v sealed lead acid batteries.
- RF output via industry standard BNC connector.
- Frequency Stability: 0.5ppm (0°C to 60°C).
- Harmonics: <2uW.
- Transmit inhibit (carrier detect) as standard.

- True NRZ FSK paging transmitter.
- Transmitter attack time: 2ms.
- Rated for 100% duty cycle.

PT400

- PT400 4 Watt, VHF radio paging transmitter.
- Operating Frequency: 135Mhz - 170Mhz.
- Encoder interface: TTL/RS232 Signals (DB9 Connector).

COMPANY PROFILE

SmartLink International Pty Ltd is a highly innovative research, development and manufacturing company, whose perceptive and accurate planning has resulted in its recognition as one of Australia's leading suppliers of hardware and software-related emergency call and communication system products.



Designed to international performance standards, SmartLink International has brought together the latest in computer and digital radio technology to create the most innovative hardware and software telephone-based emergency call systems (PSTN and PABX), monitored paging systems and products available today!

An ongoing commitment to technical innovation and product development has won significant representation throughout **Australia, Asia and New Zealand.**

SmartLink International's core business of telephone-based emergency call systems now extends to encompass a myriad of associated technologies.



Nursecall, Dementia and Duress Systems • Building Management Technology • Security, Man-Down, Fire and Evacuation Systems • Machinery and Industrial Communications (PLC monitoring) Telephony Integration and Staff Messaging Systems • Gaming Machine Monitoring Systems

Secure your future...
Choose SmartLink Products!

SMART LINK
Tomorrows Technology Today