

**Create a virtual monitoring network**

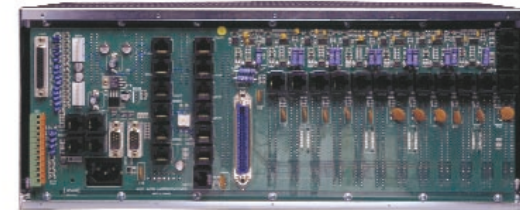
The System III Ethernet network interface enables the unit to be used in a virtual monitoring network consisting of one main monitoring facility and additional System III units at unmanned remote locations. Operators can maintain the entire network from one central location.

**User-friendly programming and fast, easy upgrades**

Programming is fast and simple using System III's menu-driven 1/4 VGA display or, by programming the system remotely over a network Ethernet connection using the Sur-Gard Console Software. Easily upgrade System III's internal 'flash memory' with new operating software while other components remain active. Flash upgrade by fast download via Console software eliminates handling hardware and pulling chips.

**System III Console Software**

Sur-Gard Console software is an easy to use Windows™ based utility used to configure the System III receiver. The Console software connects using the receiver's Ethernet port from any network computer providing a number of remote diagnostic tools such as communications debug, real-time status of all subsystems and manual redundancy hardware testing. Other features include a 'flash' memory upgrade utility, date and time synchronization, edit and archive configuration options as well as a virtual event log.



**Specifications**

- Patented Caller ID capability
- Automatic Handshake Selection (AHS)
- Patented virtual configurations
- Advanced two-way audio integration
- Supports ANI and DNIS C.L.A.S.S. signals
- CPM3 central processing module
- Universal power supply
- Non-volatile RAM on each DRL3 line card for programming and event buffer
- Flash download software upgrades for the DRL3 line cards and the CPM3
- DSP technology
- Up to 64 different profiles used by each line card
- Up to 8 different handshakes per profile
- Easy-to-read menu-driven 1/4VGA display
- Hot switching and swappable components for redundancy and central station certification
- 256-event memory buffer on each individual line card
- Real-time clock
- One parallel printer port, two serial RS-232 ports and 10/100BaseT automation output
- Continuous verification of computer/receiver links
- Rack mount in standard 19-inch rack
- \* Compatible with: 10-40 baud, 3/1, 4/2 checksum, 3/1, 4/1, 4/1 ext. 4/1 or 3/2, 4/2, Express, Acron, Adcor, Ademco Express, Ademco High Speed, Ademco Super Fast, BFSK, Contact ID, FBI Super Fast, ITI, Modem IIIa2, Modem II, IIA, IIB, IIE, SESCOA Super Speed, SIA 20, SIA 8, SIA I, SIA II, SIA III, SK FSK 1, SK FSK 2, Sur-Gard 4/2, 4/3

\* A complete list of supported communication formats available upon request

**Ordering Information:**

SG-SIIIBASE (requires SG-DRL3s)	System III basic pack
SG-SIIIEXP	System III expansion pack
SG-SIIIREDUN (requires SYSTIIIEXP)	System III redundancy pack
SG-DRL3	Virtual line card
SG-CPM3	Central processing module
SG-MLRF3	System III metal rack
SG-PSC3	Power supply controller
SG-DC/DC3	DC voltage converter
SG-PSU3	Power supply unit
SG-SIIHINT	Shelf interconnection cables
SG-BPX3	Centronics to RJ11 exp

Approval Listings:

UL and ULC Listed for Fire and Burglary Alarm Central Station (Receiving Unit) Applications  
CE Compliant with EMC, R&TTE and Low Voltage Directives  
Australian Communications Authority (ACA) compliant (A-Tick mark)

The **Sur-Gard System III** receiver...  
save money with the first **handshake**.

**Product Benefits:**

- Eliminates 'idle' backup units
- Reduces phone charges
- Advanced two-way audio integration
- Fully 'hot-swappable' modules
- Fewer line cards required
- Eliminates fixed-line hunt groups
- Faster signal processing
- Integrated receiver line-card testing
- Blocks unwanted calls
- Scheduled line testing
- Requires less physical space
- User-friendly configuration tools
- Upgradeable 'flash' memory



**Sur-Gard's new System III virtual receiver responds faster than any other system to incoming phone signals.** A scaled down version of the popular MLR-2000 receiver, System III is a compact powerhouse at a fraction of the price. It features patented Automatic Handshake Selection (AHS) technology that responds faster to incoming signals; a vast improvement over conventional receivers. System III's built-in virtual technology learns where a call is coming from and where it's calling to, so the first available line card can answer the call. This process eliminates fixed-line hunt groups and maximizes line card use, so fewer are needed. System III recognizes Caller ID, dialed number (DNIS) and originating numbers (ANI) instantaneously – before the call is picked up. Less time on-line means lower phone costs and the convenience of being able to trace telephone line interference, ghost calls, and misprogrammed or malfunctioning dialers. **Loaded with dynamic features System III is the ultimate central station receiver solution.**

### ***Easily and economically expandable***

System III is designed for growth. The receiver can be expanded from 1 to 12 virtual line cards. Add a second unit to expand up to 24 lines. Unlike other receivers, System III secondary units do not sit idle; they are actively monitored while they backup other line cards. The combination of increased signal processing capability and active redundant systems gives System III two to three times the account volume of a conventional receiver at a significantly lower cost.



### ***Improved handling of incoming and internal data***

System III features Digital Signal Processing (DSP), which increases the speed, accuracy and flexibility of each line card allowing the processing of a greater number of reporting formats. This feature also enhances the receiver's capability to process weak or noisy signals caused by TELCO network interference.

### ***Self diagnostics detect automation and component problems instantly***

The System III Central Processing Module (CPM3) provides continual supervision for automation software, ensuring immediate automatic backup to a redundant port. For example, if the automation system goes off-line the CPM3 switches from the primary Ethernet port to a secondary one, or to one of two serial ports before going into manual mode. Additionally, the CPM3 polls each line card and, in turn, the line cards supervise the CPM3 enabling the receiver to automatically switch to hot redundant hardware in the event of failure.

# The **pinnacle** of digital receiver technology is here: **Sur-Gard's System III receiver**



**SG-DRL3 DSP virtual line-card**

### ***Hot switching and hot swappable components add integral redundancy***

Central station certification has never been easier with the System III. Simply add a second central processor and power supply to create a "hot" switching backup system. In the event of a failure, the System III automatically switches from an inactive component or line card to a "hot" equivalent while the system continues to operate. Replace inactive components while the system continues to operate, no powering down and no interruptions in service.

### ***Integrated line testing***

System III offers integrated end-to-end testing of up to 60 telephone numbers. Line tests can be initiated on demand, or automatically using daily or weekly schedules. A unique test signal using SIA or Contact ID format is programmed for each phone number and results are individually logged via the Console Software. System III can send test signals to any existing receivers in a central station.

S E C U R I T Y   C O M M U N I C A T I O N S