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# CONTROL SYSTEMS

## TyLinxPro™

Router Control Software

## TyLinxProNet™

Router Control Software

www.sierravideo.com

TyLinx Pro is Sierra Video's free router setup and control software, unique in that it has three distinct levels of functionality for different classes of user. With TyLinx Pro, administrators, workflow designers, and end users each have a distinct interface (or "console") tailored to their specific needs. The software allows administrators to create a limitless number of unique profiles for system users, guiding signal routing options on a user-by user basis. An intuitive, graphics-rich interface makes TyLinx Pro incredibly easy to use.

TyLinx Pro supports setup and configuration of multiple routing switchers in a system. The software automatically synchronizes with routing switchers to retrieve their configuration information, including source and destination names. TyLinx Pro programs and fires salvos, performs multi-destination takes and break-away switching, and implements destination locks with optional password protection. TyLinx Pro supports TCP/IP and RS-232 serial control.

## TyLinx Pro Router Control Software

908340

### Features:

- A no-charge download or available from the factory
- Compatible with Windows® XP SP2, XP Pro x64 SP1, Windows Server® 2003
- Also compatible with Windows Vista® x86 & x64 editions
- Supports multiple Sierra Video routing switchers
- Automatically retrieves source and destination data from the router
- Records and stores salvos for routine routing requirements
- Admin Console allows Administrator level control over system, users
- Console Designer allows custom Player Consoles to be created
- Control panel programming
- Level mapping
- Administration utilities
- Supports TCP/IP protocol and RS-232 serial communication

## ADMIN CONSOLE

The Admin Console is designed for Administrative-level users who have authority over system set-up and user permissions. The Admin Console provides an intuitive interface for Administrators to configure the system including all routing switchers and remote control panels. An Administrator also uses the Admin Panel to setup additional users and grant them "Design" or "Player" level access within the system. The Administrator can choose which equipment or which functions users will be able to access.

### Configuration Features:

- Name sources, destinations and router levels
- Matrix mapping for splitting up levels within a single input/output channel
- Activity ("active") status of routers, levels and control panels
- Programming and saving salvos
- Signal equalization
- Graphic rich audio table for intuitive gain adjustment
- Programming SCP control panels

### User Access Features:

- Create unlimited accounts with username and password protection
- Grant any of three levels of system access: Admin, Design, or Player
- Select specific equipment each user may access

## CONSOLE DESIGNER

The Console Designer feature allows for complete customization of the Player Console, actually personalizing Console interaction. In creating custom consoles, the Console Designer allows each user (or "Player") to work in his or her own version of the routing system, seeing and interacting only with the equipment and options relevant to that specific Player. With the Console Designer, authorized users create custom panels and assign them to selected groups of users, or create unique panels for each individual user.

The Console Designer shares some abilities with the Admin Console. The Console Designer can be used to assign user names & passwords, user and equipment permissions, and levels of authorization.

### Designer Features:

- Assign basic properties
- Select available sources & destinations
- Create salvos or select pre-programmed salvos
- Assign user names & passwords
- Assign user and equipment permissions, levels of authorization

## CONSOLE PLAYER

The Console Player is for the everyday video user in the system: from video editors to command and control center operators. “Players” log into TyLinx Pro with their own user names and passwords (established by the Admin Console operator) and have custom access and views of the system (established through the Console Designer).

The Console Player offers simple tabs that can be switched between Button Per Source and XY views of the routing switcher. These features simplify the interface for the Player while providing the facility manager or Administrator a high degree of control and oversight. While the Player’s access to the system may be limited through the Admin Console, the Player works in a seamless environment where routing choices are clearly displayed and off-limit equipment is invisible.

### Features:

- Personal user name and password
- Custom view limited to relevant equipment
- Animated indicator for corresponding sources & destinations
- Switch between Button Per Source and XY views of system

## Mapping

TyLinx Pro's Mapping feature creates a virtual matrix from the physical routing switchers in the system. With this advanced utility, users can change the virtual source, destination, and level size of the routing switcher. They can setup, add, and delete salvos. Mapping also allows Administrators to manipulate not only each input and output in the system, but also the individual layers in each signal. The layers in each signal path in the physical routing switcher are recreated in TyLinx Pro as virtual levels. Those virtual levels then function independently. They can be switched alone or in groups and can be adjusted independently of their companion layers in the physical routing switcher.

## Gains

Audio gains can be balanced in the Advanced Setup screen utilizing a slide bar-style tool designed specifically for audio adjustment. This gain adjustment tool permits Administrators to access the audio channels from different sources and balance them where the incoming audio levels are unequal. This feature is especially useful in facilities where different types of audio devices are employed in a single presentation environment.

## Output Slew Rates

On signal levels that support changeable output slew rates, a simple check-box selection screen identifies each output, or "destination", and its corresponding signal type. The screen allows the user to select individual destinations and choose either SD or HD output.

## Input Equalizers

TyLinx Pro identifies levels that support input equalization and displays each level, or "source", in a check-box selection screen. Toggle switches in this advanced setup menu allow Administrators to turn input equalizers on or off on a source-by-source basis.

SCP Series programmable remote control panels from from Sierra Video (see page 7) can be programmed using TyLinx Pro. SCP remote control panels automatically appear in the network overview diagram attached to their respective routing switchers. Clicking on the control panel icon brings up a virtual view of the control panel that displays the panel's current settings.

Administrators may edit general information such as the panel name and location, select controllable destinations on the routing switcher, or view the control panel's identifying information such as panel ID number, part number or software version.

SCP remote control panel programming options with TyLinx Pro include:

- Button programming
- Salvo selection
- Display/luminosity control
- Copy-and-paste-settings function for like panels
- Panel settings reset
- Software updates

# TyLinxProNet™

TyLinx Pro Net is a Client/Server-based program for routing switcher operation and configuration within a network environment. With TyLinx Pro Net, an unlimited number of users can connect to and control the routing system's configuration, control panels, and user profiles, manage alarms or GPIs over the network.

TyLinx Pro Net utilizes a PC server at its foundation, using MSNetwork2008 as the server's operation system. In a mixed PC/Mac or Mac-only environment, Mac users can control the routing system using the TyLinx Pro Player Console served via a standard web browser.

All of the features and benefits of TyLinx Pro standard edition are included with TyLinx Pro Net including the Admin Console for Administration-level configuration (see page 1), the Console Designer for custom console design, offline configuration and setup functions, and password protection for Administrators, Designers and Players. The software offers a shared and savable database that allows administrators to ensure the safety of configuration files by storing them in an off-site location using SQL backup utility.

**TyLinx Pro Net Router Control Software** 908350

Features:

- Provides all features of TyLinx Pro standard edition, including retrieval of source and destination names, level mapping, and recording and storing salvos
- Network-enabled with unlimited client workstations
- Provides complete administrative, configuration, and control functions
- Shared/savable database for off-site data storage
- Windows & Mac OS® compatible routing
- Secure web browser-based routing switcher control
- Supports multiple Sierra Video routing switchers
- Supports TCP/IP protocol and RS-232 serial communication

# SCP Series Programmable Control Panels

## SCP Series Programmable Control Panels

The SCP Series of control panels offer unlimited flexibility in design. Our line of programmable panels takes advantage of a powerful micro-processor capable of handling the largest routing switcher database any facility can imagine. This elegant design manages fast, error-free serial communication with the routing switcher and up to 99 Sierra Video control panels. Combined with a very cost effective $I^2C$ buss architecture, customers are offered a multitude of button configurations resulting in the most powerful user definable line of control panels the industry has to offer.

SCP Series panels are programmed using a free, easy to operate Windows™ program. Our TyLinx Pro Router Control Software lets you choose your panel, select control functions and assign them to any button on the panel. These settings can be stored in memory and copied to multiple panels of the same type. Additionally, SCP Series panels automatically retrieve location names already programmed into your routing switcher facilitating quick, intuitive setup.

The SCP Series utilizes buttons that are easily customized and labeled to match the setup of your facility. For more powerful, flexible and custom defined control panels, the SCP Series is the answer.

### Features:

- Alpha/numeric labeling and display
- Virtual or physical status
- Programmable buttons, field-configurable
- Button label utility
- Programming software, field-upgradable
- Category routing
- Routing switcher I/O names
- Large LCD displays (most models)
- Locks and protects
- Passwords and administration
- Program and execute salvos
- Paging and scrolling
- Shift keys
- Multiple level control
- A/V breakaway
- Re-legendable backlit buttons

## SCP-20

Programmable desktop control panel 804020

Using the advanced SCP processor this mobile control panel allows for reliable switching from workstations and control rooms. This trim solution features alphanumeric naming, display and programmable buttons in a 8 x 4 inch chassis. The backlit LCD display offers easy to read system information including: input/output names, locks, protects, paging, scrolling, and multiple level control. The SCP-20 will execute salvos. The slender answer to confined tabletop spaces, the SCP-20 offers many of the SCP features in a non-rack mounted, compact control panel.

## SCP-112

Basic programmable LCD keypad control panel 804112-00

The SCP-112 design has improved upon a Sierra Video Systems workhorse standard. Enhanced by re-designing its large LCD display and upgrading its software, this panel gives users more readability and functionality. We added programmable buttons, salvo execution, category routing, locks and protects, and alpha/numeric labeling to its feature set. Our most popular control panel is improved while remaining easy to use and extremely affordable.

## SCP-132

Push button with rotary control panel 804132-01

This programmable push button panel features a high quality rotary encoder for effortless scrolling through an LCD display of router status and information. Seamless selection of sources and destinations and other functions using the elegant rotary dial is this panel's forte. Each of the panel's 32 button is programmable. The LCD readout and fluid feel of the rotary knob will make the SCP-132 an engineer's favorite. This control panel is fast, intuitive, and user-friendly plus has a very good performance to price ratio.

## SCP-150

Push button control panel 804150-01

With 48 user-definable buttons, the SCP-150 is the most versatile of all our panels. The panel can work as an XY, single-bus or any combination of I/Os. Programming software can be used to assign a custom set of sources or destinations to each button. Salvos, categories, and breakaway (level assign) are also programmable on the SCP-150. By combining two of these panels together, the operator can have single button access to 64 sources or destinations. A must in any truck or studio.

## SCP-224

Advanced programmable LCD keypad control panel 804224-00

The SCP-224 operates much like the SCP-112 with twelve additional buttons for more programming capacity. The twelve programmable buttons provide users more flexibility and functionality for programming specific actions or series of dynamic buttons like hotkeys, salvos, and single button takes. This panel can also be set up for One Button Take operation. Ideally suited to dub stations and edit suites.

## SCP-240

Multi-level control panel 804240-00

Designed to be an industry standard, the SCP-240 offers the best of flexibility and functionality. This multi-level control panel has up to eight levels of status and routing information displayed on a large 2x80 character LCD display. Programmable category buttons surround a 10-key array. A second "destination" LCD shows current output status along with a detailed message center for user feedback such as lock & protect warnings and salvo register selections.

## SCP-464

**Fully programmable 128 XY button panel (4RU)** 804464-00

Designed for maximum control configurations for routing switchers that can be 128x128. All 128 buttons are programmable using Sierra Video's own Tylinx Pro Router Control Software. The SCP-464 control panel allows for up to 128 sources or destinations, salvos or categories to be available for convenient switching.

## SCW-116

Wall plate control panel 8041166-00

The SCW-116 Wall Plate Control Panel is ideal for command and control vehicles, classrooms and other installations where a simple, easy to use video selection option is needed. The membrane button panel operates simply by either entering your source number, or by using the UP/DOWN arrow buttons to get to the desired source. Using the AUTO TAKE mode, the router switches to each valid input selection automatically. In the PRESET mode, the red TAKE button can be used for preset selection prior to routing.

## BUTTON PER SOURCE CONTROL PANELS

Our standard control panels come in a variety of configurations. A general description of the types of panels available follows. Illustrations for the 16, 20, 32 and 64 input variations of button per source control panels appear after the corresponding listing of each size routing switcher. For 8 or 12 input control panels, please contact Sierra Video for customizable panels or use 16 input variations.

### Single Bus (Button Per Source)

Assignable to one output and any combination of levels (as with all button per input control panels), the single operation of pressing a switch selects the desired input.

### XY

These panels feature two groups of switches: first press an OUT button to enable the desired output, then use the row of IN switches, the same as you would with a single bus control panel.

### Standard Control Panels

16 Input Control Panels

| | |
|---|---|
| 16 x 1 Single bus LED remote control panel | 804047 |
| 16 x 1 Single bus LED remote control panel with with joystick/chop | 804647 |

| | |
|---|---|
| 16 x 16 XY LED remote control panel | 804048 |

| | |
|---|---|
| 16 x 16 2RU XY LED remote control panel | 804148 |

32 x 1 Single bus LED remote control panel 804014

32 x 1 2RU single bus LED remote control panel 804348

32 x 32 XY LED remote control panel 804015

48 x 1 2RU single bus LED remote control panel 804084

48 x 48 3RU XY LED remote control panel 804085

64 x 1 Single bus LED remote control panel 804715

96 x 1 Single bus LED remote control 804785

Manage Users
X
Users
admin
User
Login Name: admin
First Name: System
Last Name: Administrator
Designer
Can Simple Lock
Can Change Volume
Prompt for Unlock
Can Protect
Available Consoles
Users Consoles
Default GRID
Default Panel
Status GRID
Delete User
Add User
TyLinx Pro - Console Player - localhost
File Account View Launch Help
Default GRID
Default Panel
Router: Lassen 1616DS - 16x16x3
Sources
Destination
Levels
SDI
AudLft
AudRgt

# SIERRA VIDEO HEADQUARTERS

**PO Box 2462, Grass Valley, CA, 95945, USA**
Toll-free: (888) 886-8875
Tel: (530) 478-1000
Fax: (530) 478-1105
E-mail: info@sierravideo.com

**Tech Support – Worldwide:**
Tel: (530) 478-1000
After Hours: (530) 888-3195
E-mail: service@sierravideo.com
Web: www.sierravideo.com

**KRAMER ELECTRONICS, Ltd.**
3 Am VeOlamo St.
Jerusalem, Israel, 95463
Tel: + 972 2 654 4000
Fax: + 972 2 653 5369
E-mail: info@kramerel.com
Web: www.kramerelectronics.com

**KRAMER ELECTRONICS USA, INC. HEADQUARTERS**
96 Route 173 West Suite 1
Hampton, NJ 08827
Tel: (908) 735 0018
(888) 275 6311
Fax: (908) 735 0515
Tech Support after 6pm EST:
(888) 275 6311
E-mail: info@kramerus.com
Web: www.kramermatrix.com

**KRAMER ELECTRONICS EUROPE SA**
Rue du Bosquet 12 B
B-1400 Nivelles, Belgium
Tel: + 32 67 49 34 10
Fax: + 32 67 49 34 29
E-mail: info.kramee@skynet.be

**KRAMER ELECTRONICS UK, Ltd.**
2 Premus, Coldharbour Way,
Aylesbury, Bucks. HP19 8AP
Tel: + 44 1296 330011
Fax: + 44 1296 330055
E-mail: info@kramerelectronics.co.uk
Web: www.kramerelectronics.co.uk

**KRAMER ELECTRONICS FRANCE S.A.R.L.**
Z.I de la Bonde - Parc de la Roseraie - Bat F
15 rue du Buisson aux Fraises,
91300 Massy
Tel: + 33 (0)1 69 75 29 80
Fax: + 33 (0)1 60 11 76 94
E-mail: info@kramerfrance.com
Web: www.kramerfrance.com

**KRAMER ELECTRONICS ITALIA S.R.L.**
Via Cesare Cantù, 25
20092 Cinisello Balsamo (MI)
Tel: + 39 02 66594771
Fax: + 39 02 61296221
Cell: + 39 3387999739
E-mail: info@krameritalia.com
Web: www.krameritalia.com

**KRAMER ELECTRONICS ESPAÑA S.L.**
Av. De Aragón 334
28022 Madrid
Tel: + 34 917478410
Fax: + 34 917473409
E-mail: info@kramerspain.com
Web: www.kramerspain.com

**KRAMER GERMANY GMBH**
An Fürthenrode 59
52511 Geilenkirchen
Tel: + 49 (0) 2451 91161 0
Fax: + 49 (0) 2451 91161 10
E-mail: info@kramergermany.com
Web: www.kramergermany.com

**KRAMER ELECTRONICS SWEDEN AB**
Energigatan 4,
Kungsbacka 43437
Tel: + 46 300 43 18 10
Fax: + 46 300 43 17 19
E-mail: info@kramersweden.com
Web: www.kramersweden.com

**KRAMER ELECTRONICS POLSKA SP. Z O.O.**
ul.Okrzei 1 A
03 -715 Warszawa, Poland
Tel: + 48 22 333 80 31
Fax: + 48 22 333 80 30
E-mail: info@kramerpoland.com
Web: www.kramerpoland.com

**KRAMER ELECTRONICS CANADA**
3465 Mainway, Unit #3
Burlington, Ontario
L7M 1A9
Tel: 1 866 726 9921
(905) 592 9739
Fax: (905) 592 9762
E-mail: info@kramercanada.ca
Web: www.kramercanada.ca

**KRAMER ELECTRONICS RUSSIA**
Moscow, Russia
Tel/Fax: + 7 495 7800302
E-mail: info@kramer.ru
Web: www.kramer.ru

**KRAMER ELECTRONICS MEXICO**
Heriberto Frías # 918
Col. Del Valle, C.P. 03100
Ciudad de México
Tel: + 52 (55) 5523-0604
+ 52 (55) 5523-0629
Fax: + 52 (55) 5543-5945
E-mail: rsanchez@kramermexico.com
Web: www.kramermexico.com

**KRAMER LATIN AMERICA**
Tel: + 1-305-600-4726
E-mail: info@kramerlatinamerica.com
Web: www.kramerlatinamerica.com

**KRAMER DO BRASIL COMÉRCIO DE ELETRÔNICOS LTDA**
Av. Lacerda Franco, 1550, Cambuci
São Paulo, SP, 01536-001, Brasil
Tel: + 55-11-3926-9435
E-mail: info@kramerbrazil.com
Web: www.kramerbrazil.com

**KRAMER ELECTRONICS ARGENTINA**
Tel: + 54 (11) 4554 4621
Cel: + 54 (911) 647 6038
Local: 011 15 6398 7576
E-mail: info@kramerargentina.com
Web: www.kramerargentina.com

**KRAMER ELECTRONICS COLOMBIA**
Comcel: (+57) 310 245 8036
Bogota: (+57-1) 647 6038
E-mail: info@kramercolombia.com
Web: www.kramercolombia.com

**KRAMER ASIA PACIFIC Pte, Ltd.**
69 Ubi Crescent,
#03-06/07 CES Building
Singapore 408561
Tel: + 65 6274 4474
Fax: + 65 6274 4414
E-mail: kap@kramerasia.com
Web: www.kramerasia.com

**KRAMER ELECTRONICS AUSTRALIA Pty, Ltd.**
Unit 4/42 Clinker St.
QCL Industrial Park DARRA QLD 4078,
Brisbane, Australia
Tel: + 61 7 38 06 4290
Fax: + 61 7 38 06 4295
E-mail: sales@krameraustralia.com.au
Web: www.krameraustralia.com.au

**KRAMER ELECTRONICS CHINA**
1204, Kuenyang International
Business Plaza
798 Zhaojiabang Road,
Shanghai 200030, China
Tel: + 86 21 64453139,
+ 86 21 64453136
Fax: + 86 21 64455934
E-mail: info@kramerchina.com
Web: www.kramerchina.com

**KRAMER ELECTRONICS KOREA**
#201 HyeopSung Bldg
309-148, Seongsu-dong 2Ga,
Seongdong-gu
Seoul, Korea
Tel: + 82 2 467 4747
Fax: + 82 2 467 4750
E-mail: info@kramerkorea.com
Web: www.kramerkorea.com

**KRAMER ELECTRONICS INDIA PVT. LTD.**
Unit 205, Saleh Centre;
18/10, Cunningham Road;
Bangalore-560052.
Karnataka, India.
Tel: + 91 80 4148 5388
Fax: + 91 80 4148 5387
E-mail: sales@kramerindia.com
Web: www.kramerindia.com

**KRAMER ELECTRONICS JAPAN**
Koike Building 2F
1-1-17 Kita-Shinagawa
Shinagawa-ku, Tokyo 140-0001, Japan
Tel: + 81 3 3471 6149
Cell: + 81 3 3405 6149
Fax: + 81 3 3471 6149
E-mail: S.nakanishi@kramerjapan.com
Web: www.kramerjapan.com

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