

SCP and CSP-Series

ROUTER CONTROL PANELS

Utah Scientific offers a wide range of control panels to suit any type of routing switcher application. Whether you need a simple single-bus panel where you select a source by pushing a single button or a very sophisticated multi-bus / multi-level control panel that can operate the entire system, Utah has the panel that will exactly fit your requirement.

There are three main families of Utah control panels: the UCP-Series, our most powerful and cost-effective panels; the SCP-Series panels, our earlier series of reprogrammable panels; and the lower-cost CSP-Series panels which offer a more limited set of features. This brochure describes the panels in the SCP and CSP-series – for information on the UCP panel family, refer to the UCP-Series product information sheet.

All of the Utah Scientific control panels are fully compatible with any Utah Scientific Routing Switcher, from the first AVS-1 switchers to the current Utah 200, 300, and 400 Series routers. In some cases, there are control system modifications or updates that will be required to add the newer panels to an older system. Please contact your Utah Scientific representative or our Technical Support department with details of your particular requirements.

SCP-SERIES FEATURES

- **Field Programmable** - Customize panels to suit each specific application or location.
- **Re-legendable Buttons** - Print your own custom legends and change as needed.
- **8 Character Alphanumeric LED Status Displays** - Flexible source and destination labeling system.
- **16 Level Switching Capability** – Enhanced flexibility for mixed analog and digital environments.
- **Output Protect / Lock** - Disable switching of an output by any other control panel.
- **Source and Destination Color Displays** – Different colors for easy visual cues and recognition.
- **Audio Attribute Switching and Status** – Monitor and change audio attributes directly from the panel.
- **Salvo Execution** – Execute multi-bus salvos just like making a single source selection.

CSP-SERIES FEATURES

- **Sixteen group names and up to sixteen hundred possible source and destination names**
- **Four-character alphanumeric displays**
- **Full matrix/maintenance panels perform various control system diagnostics**
- **Reprogramming requires no system or panel downtime**

Utah Scientific's SCP-series control panels are designed to offer a straightforward yet powerful way to control multi-level routing switcher systems with a minimum number of keystrokes. All SCP series control panels can control up to 16 matrix levels with simultaneous breakaway switching on 8 or 16 levels depending on the model.

SCP control panels connect to the Utah SC-4, SC-400, or SC-3 controllers over the high speed U-Net control LAN using RJ-45 connectors. The panels can optionally be connected over a TCP/IP Ethernet LAN. The SCP panels are easily reprogrammed over the LAN without the need to interrupt system operations or remove the panel from service.

SCP-series panels use external power supplies.

The SCP-series control panels provide solutions to the most demanding control and switching requirements. Eight-character displays provide the operator with the ability to monitor the real-time status of all matrix levels. The ability to control and breakaway multiple levels make the SCP series panels the most powerful and flexible panels for all applications.

SCP-XY/16 · Full Matrix Control Panel



The SCP-XY/16 control panel is a full matrix X-Y panel that can be used to select any source to any destination. With this panel, the user can make breakaway takes and display the status of up to sixteen matrix levels. This panel can also execute salvos programmed in the controller and control output attributes.

The panel includes eight alphanumeric displays, each with 8 characters, providing direct indication of status on 8 levels and allowing breakaway of up to 16 levels. A ninth display shows the active destination. The 20-button keypad provides the ability to select sources and destinations by name or numerical value.

Dedicated buttons are provided to allow the user direct access to 4 user-programmable destinations and up to 12 user-defined sources. This allows the user to switch the most commonly used source / destination combinations by pushing just two buttons.

SCP-SX/16 · Full Matrix Control Panel



The SCP-SX/16 panel is a full matrix control panel with additional “Direct Take” features. As an X-Y panel, the SCP-SX/16 allows full access to all sources and destinations including the output monitor bus of the Utah matrix.

The panel also allows the user to store and select direct sources, destinations, protect modes and attributes directly on the panel - without having to program them on the controller.



SCP MX/16 · Full Matrix Control Panel

The SCP-MX/16 is a sixteen-level XY panel that includes the core features and button layout of the SCP-SX, plus the ability to operate in a single or multi-destination mode.

The multi-destination mode allows up to sixteen destinations to be programmed and controlled from the panel. Status for up to eight of those destinations is displayed at any given time.

The panel's range of access to sources and destinations can be programmed in the field to customize it for a particular application. The panel offers eight alphanumeric displays, each with 8 characters, providing direct status of 8 levels and allowing breakaway control of up to 16 levels. The 20 button keypad provides the ability to select sources and destinations by name or numerical value. A ninth alphanumeric display indicates the destination currently being controlled.



SCP-2/8 · Single / Dual Bus Control Panel

The SCP-2/8 can be operated as a single or dual bus control panel with full access to all sources for the panel's destination(s). The panel's input and output list can be customized in the field to limit or change the sources and/or destinations. As an added feature the panel includes dedicated push buttons providing direct take of 4 frequently used sources.



SCP-32/8 · Single Bus Control Panel



SCP-64/8 · Single / Dual Bus Control Panel

The SCP-32 provides 32 button-per-source keys for direct switching to a single destination. The push button switches are re-legendable and back lit to indicate the currently selected source. Sources can be randomly assigned to buttons on a panel-by-panel basis.

The SCP-64/8 uses the same hardware platform with a SHIFT key added to double the number of sources available on the panel.

Utah Scientific's CSP-Series Control Panels offer a cost-effective alternative to the more sophisticated SCP Series for systems that do not have extensive multi-level control requirements. CSP series control panels can control eight matrix levels with four or eight level breakaway depending on the model.

CSP control panels connect to the Utah system controller over a coax party-line arrangement which offers a very flexible means of connecting multiple panels to the controller. CSP panels are easily reprogrammed over the party-line connection without the need to interrupt system operations or remove the panel from service.

The CSP-series control panels provide solutions for all control and switching requirements. Four character displays provide the operator with the ability to monitor the real-time status of multiple matrix levels through the use of alphanumeric labels for inputs and outputs.

CSP - 16160/8 · Full Matrix Control Panel

Designed to operate either as a full matrix controller or as a maintenance or diagnostic panel, this unit is software-enhanced to provide a significantly higher level of sophistication than the other four-level panels.



A front panel switch permits operation in either numeric (matrix input and output numbers) or mnemonic (source and destination names) mode while its various diagnostic routines allow numerous party line events to be captured and displayed. The numeric/mnemonic switch also provides crossreference listings between device names and matrix input and output connections.

The panel's default operation mode is for all-level switching, but the eight separate level displays and the associated CLEAR buttons provide a simple, fool-proof way to make breakaway or split switches to any or all of the matrix levels.

CSP-30/4 · 30 Button Single Bus Control Panel

The CSP-30/4 provides 30 button-per-source keys for selecting the sources to a



single destination, 3 breakaway keys permit switching of a selected level. Source names are identified on the label strip and may be reassigned via the system reprogramming capability.

A source expansion panel (CX-30), can be added to extend the number of sources to a total of 60.

CSP - 1602/4 · Single / Dual Bus Control Panel

The CSP-1602/4 is a single / dual bus, eight-level control



and status panel with four-level breakaway control. A toggle switch allows the panel to be switched between two destinations. The active destination is indicated in the four-character alphanumeric display. The panel operates in a Preset/Take mode, allowing the operator to set up split-level switching commands. Two direct take buttons are provided to support single-button selection of commonly used sources.