UCP-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 UCP-series – for information on the other panel families, refer to their product information sheets.

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.

UCP-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.
- Flexible Connection Options - Ethernet or U-Net, both using CAT-5 cabling.
- 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.

Utah Scientific's UCP-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 UCP series control panels can control up to 16 matrix levels with simultaneous breakaway switching on 8 or 16 levels depending on the model.

The UCP-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 UCP series panels the most powerful and flexible panels in the Utah range.

UCP control panels connect to Utah SC-4 or SC-400 controllers over the high speed U-Net control LAN using standard CAT-5 cables. The panels can optionally be connected over a TCP/IP Ethernet LAN. UCP panels are easily reprogrammed over the network connection without the need to interrupt system operations or remove the panel from service.

Most UCP-series panels come with an internal power supply that works from 110 to 240VAC at 50 or 60 Hz. The UCP-DT Desktop Panel uses an external power supply.

UCP-MM · Multi-Mode Full Matrix Control Panel

The UCP-MM 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 switch modes between Category/Number and Direct Select modes depending on operator preference.

The panel's four touch-screen LCD display panels offer highly legible read-out of levels, sources, destinations, or router status. The UCP-MM panel is available in two versions, both offering four high-resolution LCD displays with touch-sceen capabilities. The UCP-MM/A provides 16 input selector buttons each having an 8-character LCD display. The UCP-MM/B has fixed-label buttons.

UCP-1 · Full Matrix Control Panel

The UCP-1 Full-Matrix Control Panel provides fast, flexible X-Y control of any size routing switcher in just one rack unit of space. The UCP-1 can be programmed to operate as a full-matrix control panel with access to all sources and destinations. Alternatively, the panel's input and output lists can be customized to restrict access to certain sources and/or destinations. As an added feature the panel offers programmable buttons that can be used to provide direct access to certain frequently used sources and/or destinations.

UCP-2 · Single / Dual Bus Control Panel

The UCP-2 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.

UCP-XY · Full Matrix Control Panel

The UCP-XY 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 SC-4 controller and control output attributes.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.

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.

UCP-SX · Full Matrix Control Panel

The UCP-SX panel is a full matrix control panel with additional “Direct Take” features. As an X-Y panel, the UCP-SX 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. Source buttons can be programmed to perform multi-level “Split Takes”.

UCP MX · Full Matrix Control Panel

The UCP-MX is a sixteen-level XY panel that includes the core features and button layout of the UCP-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.

UCP-48 · Multi-Bus Control Panel

The UCP-48 provides 32 input selectors each having a 4-character LCD display to show the source ID name. This panel can be configured to control up to four router destinations and has 8 level-select buttons for breakaway switching. Sixteen page-select buttons allow the panel to access a total of 512 separate sources. The contents of the pages are completely user-definable, allowing them to be set up to show sources by category, by functional groups, sequentially, or in any other method that may be appropriate to the application.

The active source selection is indicated by a contrasting backlight color on the LCD display and by changing the source ID label to a block display with the characters reversed out. This results in a high-visibility indication of the router status.

UCP-64 · Fully Programmable Control Panel

The UCP-64 provides 64 keys, typically configured as a button-per-source panel for direct switching to a single destination. This panel is generally used where fast, simple access is required to a limited number of sources. For special applications, the UCP-64's keys can be programmed through the U-Con configuration tool to be source, destination, or level-select buttons. This allows the panel to be set up as a 32x32 panel, a single-level, single-bus 64 input panel, or any other combination of 64 selections. The UCP-64 offers removable legend strips for quickly and easily labeling the buttons – a big advantage in applications where the panel configuration changes frequently. An extender panel, CX-64, is available to add 64 more buttons if required.

UCP-36 · Single Bus Control Panel

UCP-72 · Single / Dual Bus Control Panel

The UCP-36 provides 36 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 UCP-72 uses the same hardware platform with a SHIFT key added to double the number of sources available on the panel. Both of these panels can be reprogrammed through the U-Con configuration tool for special applications as described for the UCP-64 panel – any of the 44 buttons can be assigned source, destination, or level-select functions. Extender panels, CX-36 and CX-72, are available to add 44 more buttons if required.

UCP-DT · Desk-Top Control Panel

The UCP-DT is a desk-top version of the UCP-MM Multi-Mode Control Panel, designed for placement on a desk-top or condole where rack-mount space is not available. Like the UCP-MM, the UCP-DT is available in two versions. The UCP-DT/A provides 16 input selector buttons each having an 8-character LCD display and two high-resolution LCD displays with touch-sceen capabilities. The 16 LCD buttons are dynamically re-legendable, allowing them to be used for menu-style selections as well as for direct access to sources and destinations. The panel's two touch-screen LCD display panels offer highly legible read-out of levels, sources, destinations, or router status. The UCP-DT/B has fixed-label buttons.

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