

The ABA2-XYp can be installed as a local control panel (LCP-ABA2-XYp) on a 2 RU Xplus frame (FR-Xplus-2RU) (The frame must be of version 3.xx or later - easily identified by the rack-mount ears and removable front panel)

The ABA2-XYp includes a new version of Router MAPPER, the Windows based panel configuration utility used by all programmable series control panels (model numbers end in p). The new version of Router MAPPER features an enhanced database mapping ability to configure the router database in a completely custom fashion ("Wild Mapping"). The new version also improves on the use of visual elements and drag and drop techniques to make panel configuration and downloading even easier. Using the Router MAPPER utility, a database is first defined which describes the routing

switcher (i.e., available sources, destinations and levels). From that database, specific sources and destinations are selected and downloaded to each panel. This enables different panels to be created from one common database. Keycap inserts for each programmed key can be printed after the panel is configured. A sample capture of Router MAPPER appears below.



## SPECIFICATIONS

Specifications and designs are subject to change without notice

### RCP-ABA2-XYp Physical Dimensions

Height	2 RU, 3.5" (4.45 cm)
Width	19" (48.25 cm)
Depth	4.5" (11.53 cm)

### Power Supply

Voltage Range	90-135 or 200-265 (Wire Link Selectable), 50/60 Hz.
Power Consumption	5 Watts Max.

### ORDERING INFORMATION

RCP-ABA2-XYp	Remote Control Panel, 2RU, XY, Alphanumeric Breakaway
LCP-ABA2-XYp	Local Control Panel, 2RU, XY, Alphanumeric Breakaway

## ROUTER CONTROL & STATUS SOFTWARE

## Router WORKS

- **Windows-based Router Control and Status**
- **Intuitive Graphical Router Control Interface**
- **Use with or instead of hardware control panels**
- **Single Bus, Multiple Bus or Matrix Views**
- **Runs on standard IBM compatible PC**
- **Available Touch Screen Interface**
- **Control Remote Routers using standard modems**



Router WORKS is a powerful set of software tools designed to facilitate the control and monitoring of Leitch routing switchers. Router WORKS provides a clear, graphical representation of the switcher and its status.

Router WORKS may be used as the only controlling device or it may be used in parallel with traditional hardware control panels. Multiple Router WORKS control stations may control the same routing system. Router WORKS constantly monitors the routing system and will report the status of the router regardless of who or what initiated the change.

Router WORKS combines the flexibility of the most powerful hardware control panel with the simplicity of a graphical user interface. Router WORKS provides three different views of the routing system. Each "View" presents the router in a different way. The three views are illustrated and described on the facing page.

### Salvos

All three Router WORKS views support the creation and execution of crosspoint salvos. A salvo is a predefined list of crosspoint operations which when executed all occur simultaneously. Salvos can be used to store complex router setups involving multiple destinations for instant recall in the future. Router WORKS allows the user to define any number of salvos. Each salvo is named for easy recognition. The Salvo editor uses a matrix representation of the router to display the crosspoints affected by the salvo. The salvo editor includes a "Capture" function which can be used to capture the current state of the router.

### Simple Connection To Routing System

Router WORKS connects to the routing switcher system using a standard RS-232 or RS-422 serial interface. Multiple control stations may be used

to control the same routing system. Each station talks to the system using a dedicated serial port. The Leitch SPT-1000-XY may be used to add additional serial ports if the ports on router frames are all used.

Remote Operation using Standard Modems For remote router control applications Router WORKS may be configured to control a router via a dial-up phone line using a pair of Hayes compatible modems. One modem is installed at the remote site and connects the phone line directly to the router. The second modem connects the computer running Router WORKS to the phone line. Router WORKS can maintain the databases and dial-up phone number of several remote sites. Each site is assigned an icon in the Window's desktop allowing the user to reach a site simply by clicking on its icon.

### System Requirements

Router WORKS may be used on any IBM compatible computer meeting the following minimum requirements:

<b>CPU:</b>	133 MHz Pentium or better
<b>RAM:</b>	16 MBytes or more
<b>Serial Port:</b>	RS-232 or RS-422 9600 Baud or higher
<b>Hard Disk:</b>	30 MBytes Free
<b>Operating System:</b>	Windows 95 or Windows NT
<b>Display Size:</b>	Minimum 15", 17" recommended
<b>Display Resolution:</b>	Minimum 640x480 1024x768 strongly recommended
<b>Pointing Device:</b>	Mouse, Trackball, Touch Screen



## ORDERING INFORMATION

Router WORKS	Windows-based Router Control and Status Software
<b>Related Products</b>	
Event WORKS	Windows-based Event Automation Software
RCP-TOUCH-17	17" SVGA display monitor with integrated Touch Screen Interface
SPT-1000-XY	Serial Protocol Translator. Use to provide serial port (RS232 or RS422) access to the X-Y bus. Only needed if there are no serial ports available on router frames.

Leitch offers a fully configured Router Control Workstation which includes a suitable computer, SVGA monitor, pointing device and Router WORKS and Event WORKS software pre-installed and configured. Please consult the Router Control Workstation information later in this section for details.

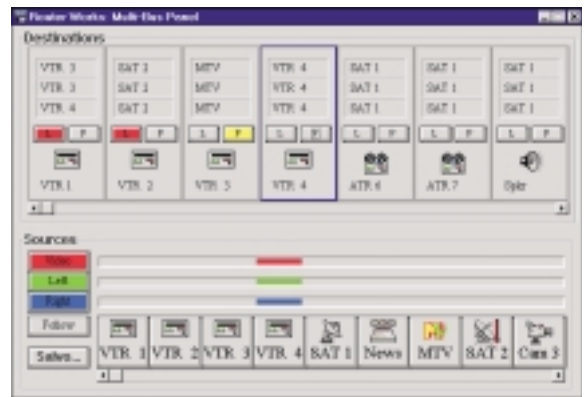
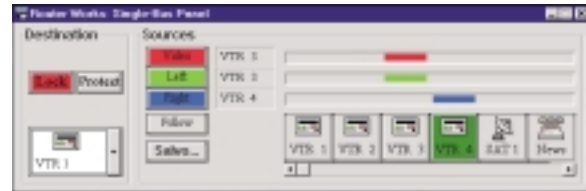
## SINGLE BUS VIEW

The Single Bus view provides control over a single destination at a time. The destination affected is easily changed by choosing from a drop-down list box. It is possible to restrict which destinations a particular user has access to. Source selection is achieved by pressing the corresponding source button. Source buttons are clearly labeled with an 8 character name and may also be described using an icon.

The Single Bus view can be used to select sources in AFV or Breakaway modes. Status on individual levels is clearly indicated by color coded level indicator bars located above the source selection buttons. A destination may be locked or protected to prevent accidental crosspoint selections. A Lock will prevent any panel, whether software or hardware-based from changing a destination. Protect will prevent any panel other than the one that enabled the protect from changing the source connected to the destination.

## MULTI BUS VIEW

The Multi Bus view is identical to the single bus view with the simple exception that multiple destinations are simultaneously displayed allowing a user to quickly monitor and control several router destinations. The user defines how many destinations are displayed. Scroll bars are used to access additional sources and destinations.



## MATRIX VIEW

The matrix view presents the routing switcher as a traditional grid, listing sources horizontally across the top and destinations vertically down the right hand side. If a source is connected to a destination a circle appears at the intersection of the source and destination. Multi-level breakaway status is indicated by using color coded pie shapes at the crosspoint intersection. A fully filled pie indicates an AFV (all levels follow) connection. Broken away levels are displayed as broken away wedges of the pie.

The matrix view may be configured to operate in "Direct Take" or "Preset/Take" modes. In direct Take mode a crosspoint is selected by double clicking on the correct point within the grid. In Preset/Take mode a number of switches may be preset before the TAKE key is pressed to invoke all of the changes simultaneously.

The matrix view includes a convenient Zoom feature allowing the user to Zoom-out to view the status of the entire switcher or to Zoom-in to a particular area to view the connections in more detail. When Zoomed in, scroll bars may be used to view other portions of the matrix.

The Matrix View is an ideal status monitoring tool, providing the user with a quick visual reference to the status of the entire router. To complete the status monitoring function the matrix view may also be configured to indicate power supply and fan failure alarms as reported by the router frames.

