

HD, SD, analog video & Data routing switchers

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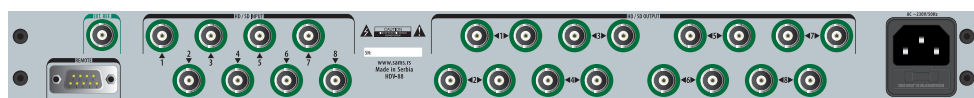
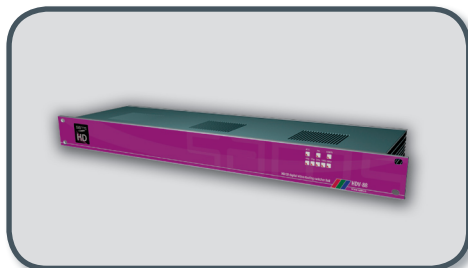
DVM-64K
Digital Video Routing Switcher



Professional and broadcast video/audio equipment

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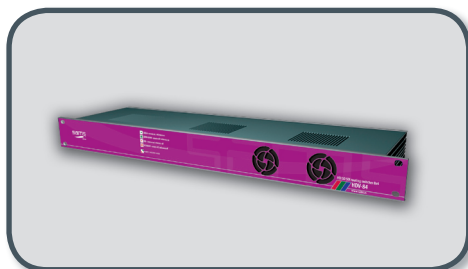
- 2 outputs per destination
- Switching HD / SD signals
- Auto equalization and redocking
- Vertical interval switching per SMPTE RP 168-1993
- Can function independently or be linked with other 8x8 routing switchers
- Power down memory recovery
- Automatic recognition of reference standard signal
- PC control



HDV-88, rear side

HDV-88 is a compact 8x8 HD / SD SDI matrix with two outputs per destination, which allows up to 1.5Gb/sec. HDV series is based on the latest technology that supports HD. Device has LED detection of type of reference signal. It also has automatic relocking and equalization offset length up to 100m of 1694A cable. Uses the standard CP-88 Remote Control, but can also be controlled from web browser over TCP/IP. The device can be combined with analog or digital audio matrix 8x8.

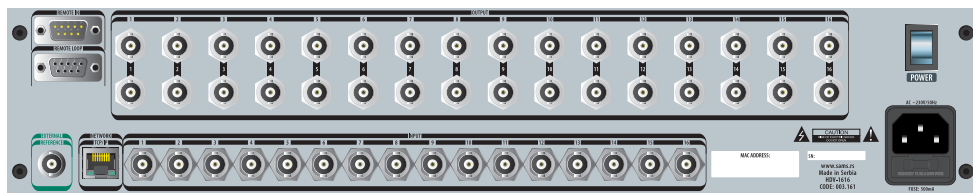
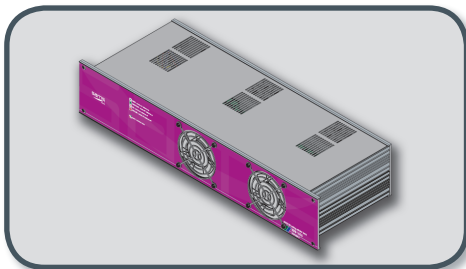
- 2 outputs per destination
- Control via TCP-IP
- Switching HD / SD signals
- Auto equalization and redocking
- Vertical interval switching per SMPTE RP 168-1993
- Can function independently or be linked with other 8x4 routing switchers
- Power down memory recovery
- Automatic recognition of reference standard signal
- PC control
- Built-in fans provide optimum cooling



HDV-84, rear side

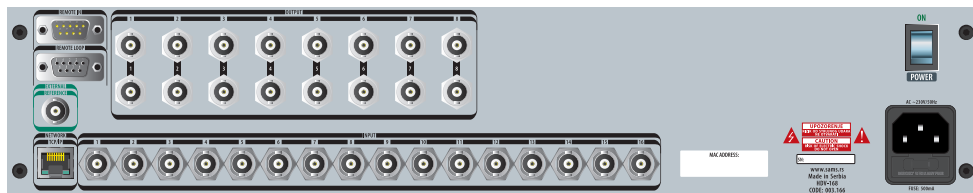
HDV-84 is a compact 8x4 HD / SD SDI matrix with two outputs per destination, which allows up to 1.5Gb/sec. HDV series is based on the latest technology that supports HD. Device has LED detection of type of reference signal. It also has automatic relocking and equalization offset length up to 100m of 1694A cable. Uses the standard CP-84 Remote Control, but can also be controlled from web browser over TCP / IP. The device can be combined with analog or digital audio matrix 8x4.

- 2 outputs per destination
- Control via TCP-IP
- Switching HD / SD signals
- Auto equalization and reclocking
- Vertical interval switching per SMPTE RP 168-1993
- Can function independently or be linked with other 16x16 routing switchers
- Power down memory recovery
- Automatic recognition of reference standard signal
- PC control
- Built-in fans provide optimum cooling

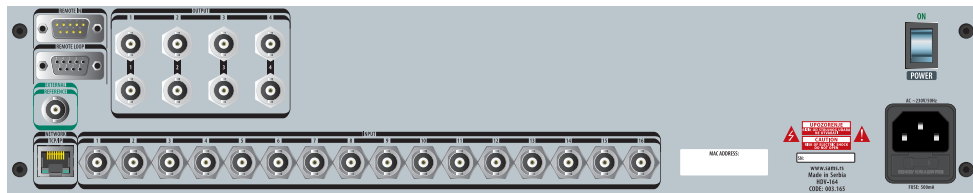


HDV-1616, rear side

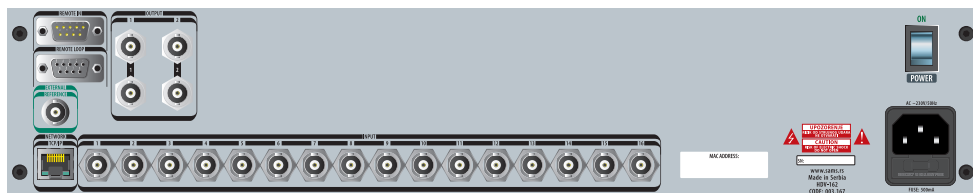
HDV-1616 is a compact 16x16 HD / SD SDI matrix with two outputs per destination, which allows up to 1.5Gb/sec. HDV series is based on the latest technology that supports HD. Device has LED detection of type of reference signal. It also has automatic relocking and equalization offset length up to 100m of 1694A cable. Uses the standard CP-1616 Remote Control, but can also be controlled from web browser over TCP / IP. The device can be combined with analog or digital audio matrix 16x16.



HDV-168, rear side

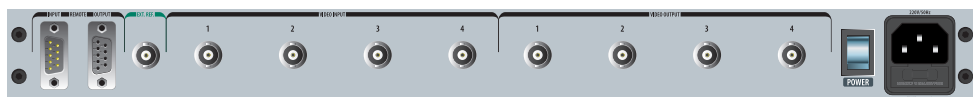
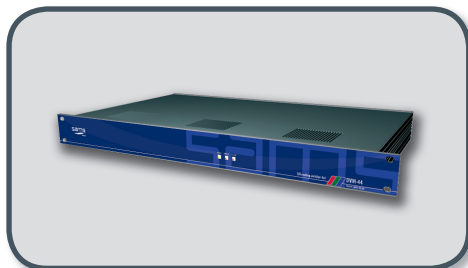


HDV-164, rear side



HDV-162, rear side

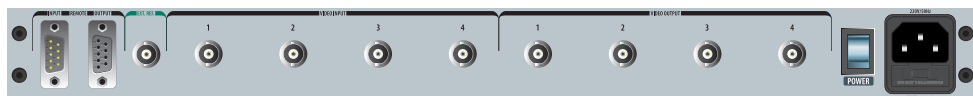
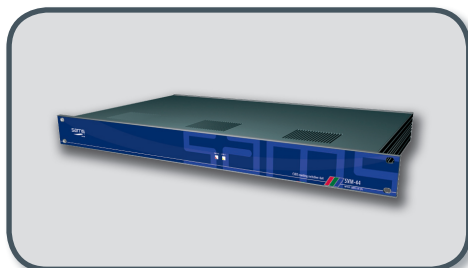
- Switching digital video signals
- 4x4 SDI routing switcher
- Auto equalization and reclocking
- 540, 360, 270, 177, 143 Ms/s data
- Vertical interval switching per SMPTE RP 168-1993
- Can function independently or be linked with other 4x4 routing switchers
- Power down memory recovery
- PC control



DVM-44, rear side

The DVM-44 video routing switcher is a compact 4x4 serial video module. Input conform to all component and composite digital standards signals. The Auto reclocking circuitry is standards independent. Auto equalization circuitry compensates for up to 200 m of 1694A cable.

- High quality
- 4x4 analog video routing switcher
- 200 MHz bandwidth
- Vertical interval switching
- Can function independently or be linked with other 4x4 routing switchers
- Power down memory recovery
- PC control



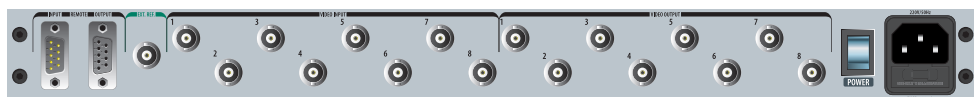
SVM-44, rear side

The SVM-44 is a 4x4 video routing switcher with vertical interval switching. High performance circuits in SMD technology assure undiminished signal quality. The SVM-44 is well suited for all demanding routing tasks in studio or broadcast applications. The built-in RS-232 interface allows the user to control the router via RS-44 PC-Software. The control bus technology allows the linking of the unit with the SAM-44 to create an audio-follow-video router.



CP-44, master remote control for 4x4 routing switchers

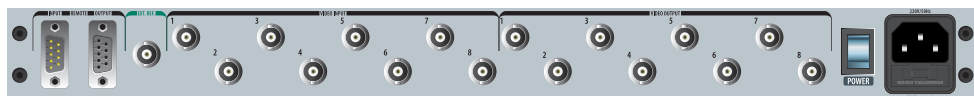
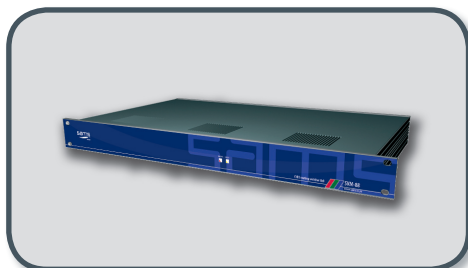
- Switching digital video signals
- 8x8 SDI routing switcher
- Auto equalization and reclocking
- 540, 360, 270, 177, 143 Ms/s data
- Vertical interval switching per SMPTE RP 168-1993
- Can function independently or be linked with other 8x8 routing switchers
- Power down memory recovery
- PC control



DVM-88, rear side

The DVM-88 video routing switcher is a compact 8x8 serial video module. Input conform to all component and composite digital standards signals. The Auto reclocking circuitry is standards independent. Auto equalization circuitry compensates for up to 200 m of 1694A cable.

- High quality
- 8x8 analog video routing switcher
- 200 MHz bandwidth
- Vertical interval switching
- Can function independently or be linked with other 8x8 routing switchers
- Power down memory recovery
- PC control



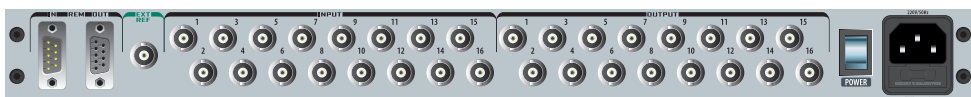
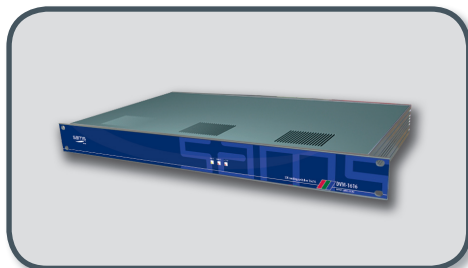
SVM-88, rear side

The SVM-88 is a 8x8 video routing switcher with vertical interval switching. High performance circuits in SMD technology assure undiminished signal quality. The SVM-88 is well suited for all demanding routing tasks in studio or broadcast applications. The built-in RS-232 interface allows the user to control the router via RS-88 PC-Software. The control bus technology allows the linking of the unit with the SAM-88 to create an audio-follow-video router.



CP-88, master remote control for 8x8 routing switchers

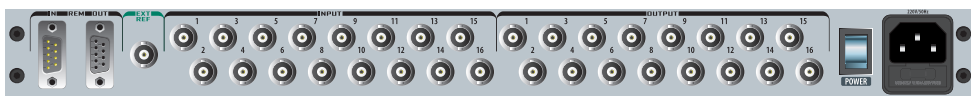
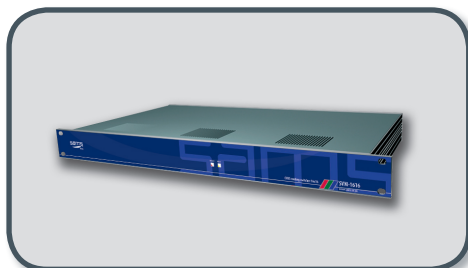
- Switching digital video signals
- 16x16 SDI routing switcher
- Auto equalization and reclocking
- 540, 360, 270, 177, 143 Ms/s data
- Vertical interval switching per SMPTE RP 168-1993
- Can function independently or be linked with other 16x16 routing switchers
- Power down memory recovery
- PC control



DVM-1616, rear side

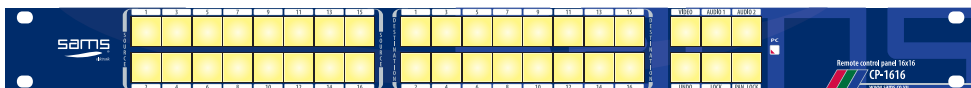
The DVM-1616 video routing switcher is a compact 16x16 serial video module. Input conform to all component and composite digital standards signals. The Auto reclocking circuitry is standards independent. Auto equalization circuitry compensates for up to 200 m of 1694A cable.

- High quality
- 16x16 analog video routing switcher
- 200 MHz bandwidth
- Vertical interval switching
- Can function independently or be linked with other 16x16 routing switchers
- Power down memory recovery
- PC control



SVM-1616, rear side

The SVM-1616 is a 16x16 video routing switcher with vertical interval switching. High performance circuits in SMD technology assure undiminished signal quality. The SVM-1616 is well suited for all demanding routing tasks in studio or broadcast applications. The built-in RS-232 interface allows the user to control the router via RS-1616 PC-Software. The control bus technology allows the linking of the unit with the SAM-1616 to create an audio-follow-video router.



CP-1616, master remote control for 16x16 routing switchers

NOTE: Routing switcher can be created in shortened versions: 16x8 and 16x4

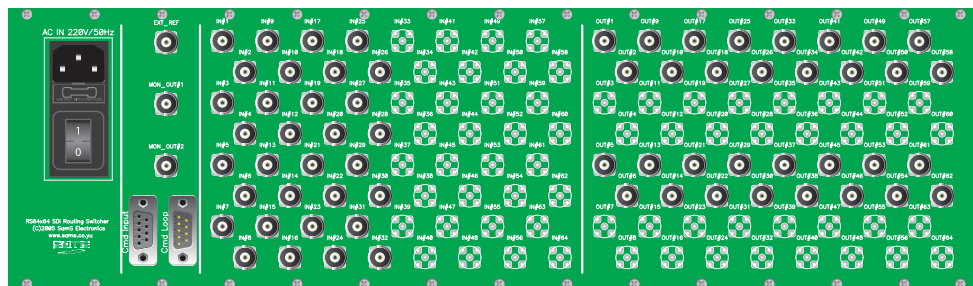
- Switching digital video signals
- 32x32 SDI routing switcher
- Auto equalization and redocking
- 540, 360, 270, 177, 143 Ms/s data
- Vertical interval switching per SMPTE RP 168-1993
- Can function independently or be linked with other 32x32 routing switchers
- Power down memory recovery
- PC control
- Upgradeable to a 64x64 matrix

The DVM-3232 video routing switcher is a compact 32x32 serial video module. Input conform to all component and composite digital standards signals. The Auto reclocking circuitry is standards independent. Auto equalization circuitry compensates for up to 200 m of 1694A cable. Matrix has the ability to upgrade to 64x64.

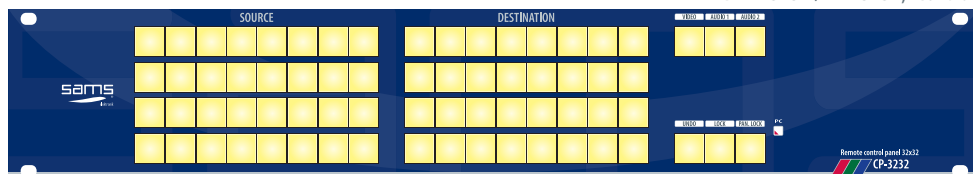


- High quality
- 32x32 analog video routing switcher
- 200 MHz bandwidth
- Vertical interval switching
- Can function independently or be linked with other 32x32 switchers
- Power down memory recovery
- PC control
- Upgradeable to a 64x64 matrix

The VM-3232 is a 32x32 video routing switcher with vertical interval switching. High performance circuits in SMD technology assure undiminished signal quality. The VM-3232 is well suited for all demanding routing tasks in studio or broadcast applications. The built-in RS-232 interface allows the user to control the router via RS-232 PC-Software. The control bus technology allows the linking of the unit with the AM-3232 to create an audio-follow-video router. Matrix has the ability to upgrade to 64x64.



DVM-3232 / VM-3232, rear side



CP-3232, master remote control for 32x32 routing switchers

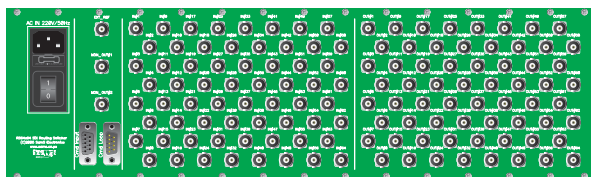
- Switching digital video signals
- 64x64 SDI routing switcher
- Auto equalization and reclocking
- 540, 360, 270, 177, 143 Ms/s data
- Vertical interval switching per SMPTE RP 168-1993
- Can function independently or be linked with other 64x64 routing switchers
- Power down memory recovery
- PC control

The DVM-6464 video routing switcher is a compact 64x64 serial video module. Input conform to all component and composite digital standards signals. The Auto reclocking circuitry is standards independent. Auto equalization circuitry compensates for up to 200 m of 1694A cable.

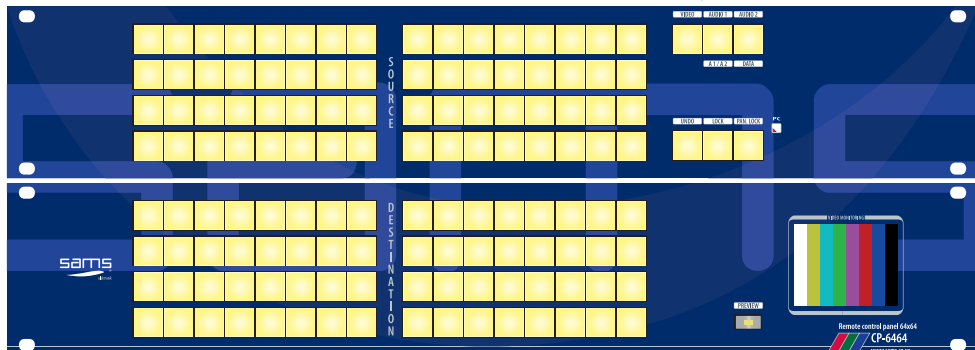


- High quality
- 64x64 analog video routing switcher
- 200 MHz bandwidth
- Vertical interval switching
- Can function independently or be linked with other 64x64 switchers
- Power down memory recovery
- PC control

The VM-6464 is a 64x64 video routing switcher with vertical interval switching. High performance circuits in SMD technology assure undiminished signal quality. The VM-6464 is well suited for all demanding routing tasks in studio or broadcast applications. The built-in RS-232 interface allows the user to control the router via RS-6464 PC-Software. The control bus technology allows the linking of the unit with the AM-6464 to create an audio-follow-video router.



DVM-6464 / VM-6464, rear view



CP-6464, master remote control for 64x64 routing switchers

MASTER REMOTE CONTROLS

- Standard RS-485 port
- Easy to use
- Easy configuration
- Separate routing of audio and video
- Separate routing of audio channels
- Undo function by destination and level
- Locking of individual connections
- Power down memory recovery
- IP 67 keys with a minimum of 5 million switching

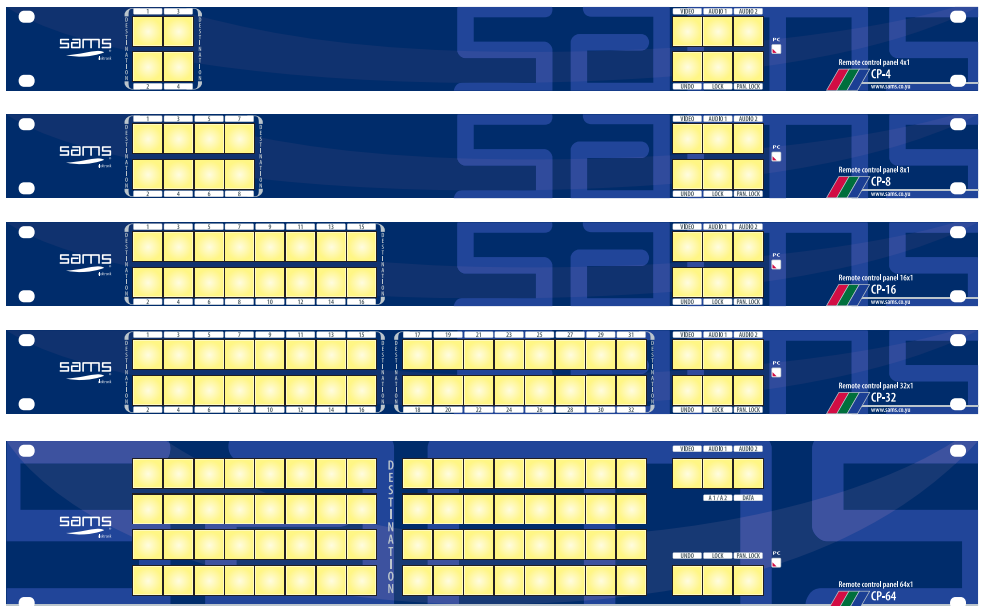
CP remote control allows easy operation on routing switchers and are available as a multidestination (XY) or to one destination. All controls allow independent control of three-level switching. They also have a “undo” button to return to the previous state for all three levels independently. All controls allow individual locking the desired destination, as well as locking the entire panel. The simple way to assign destinations from the master to slave controls through key presses (detailed explanations in user guide). Remote controls for 32x32/64x64 routing switchers have a special PC software through which you can reconfigure any key inputs and outputs in additional commands.

CP-6464 can control even the smart data matrix in the configuration of the video - 2ch audio - data. The master remote control CP-6464 have LCD video monitor. The master control communicate with the matrix via RS-485 serial port and with PC via RS-232.

SLAVE REMOTE CONTROLS

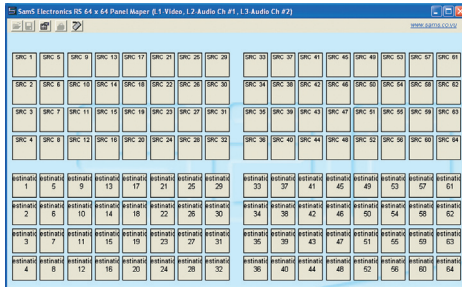
- Link to the master control via RS-485 port
- Easy setup
- Separate routing of audio and video
- Separate routing of audio channels
- Undo function by destination and level
- Locking of individual connections
- Return to the previous state due to power failure
- IP 67 keys with a minimum of 5 million switching

CP slave controls are used in separate studies, where control of multiple destinations is not needed. The most common configuration of slave commands are with a single destination, but also can have more. Remotes makes easy to control the matrix. As well as master remote, all slave controls can control three-level switching, with “undo” button to return to the previous state and can be locked. Through a combination of keys on the main command, destinations can easily be assigned to slave remotes, except 32x32/64x64 matrix, where the assignment is determined using PC software. Slave controls are connected to the master via RS-485 serial port.



Slave remote controls

- Software communicate via RS-232
- Easy to use
- Substitute for master control panel
- Programming of slave remote controls

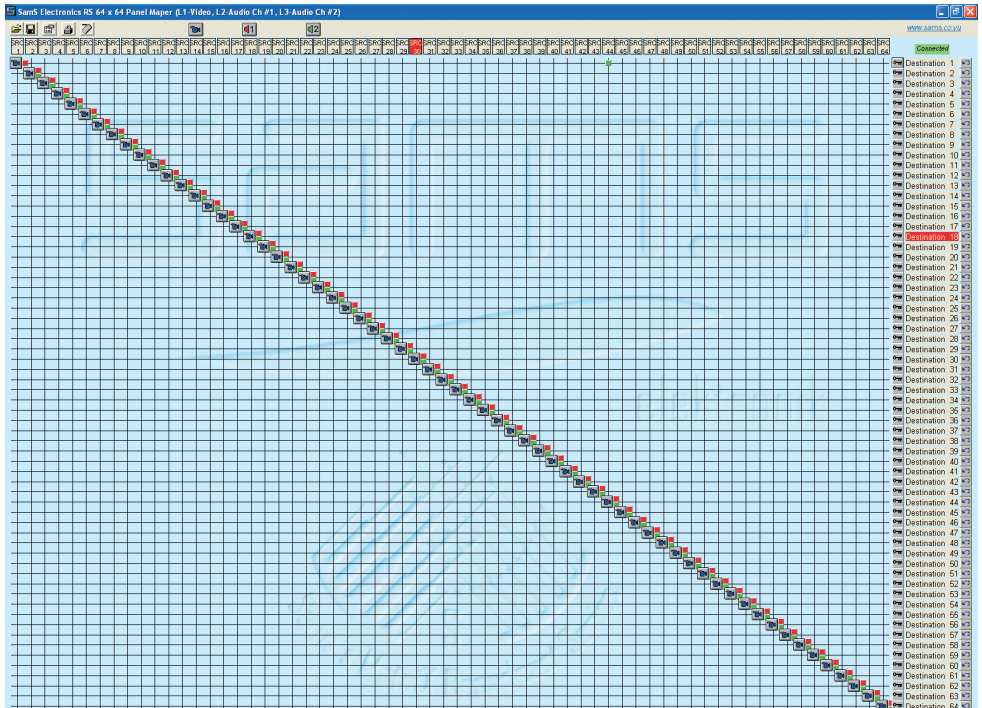


Slave remote control configuration software

This program controls routing switchers. It's designed as replacement and or add on for Master control panel. It can be used as monitoring or for control of routers.

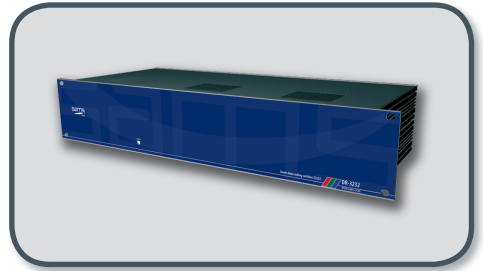
This program is developed only for Windows® OS. It's recommended to use on newer generations of computers. Computer must have one free serial port (RS-232) for communication with routing switchers. Using the program is very simple. Put the mouse on desired cross point (X-Y) and press left mouse button. Parameters for that cross point will show with choice VIDEO-AUDIO 1-AUDIO 2. PC is directly connected to Master control panel.

RS-6464 is upgraded software with much more options. In RS-6464, data routing switcher can be controled also. It is integrated with special application (RS-6464dev) designed for 64x64 routing switchers. RS-6464dev is program for configuration of Slave remote controls. Source and destination can be custom reconfigured for each Slave remote control. Software recognize remote control on which address it is. Reconfiguration can be done during live broadcast without interruption and also can be done offline.

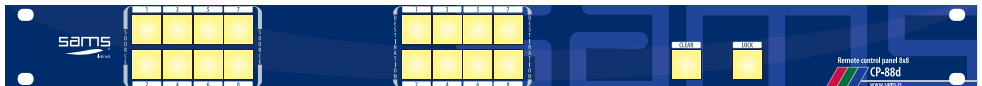
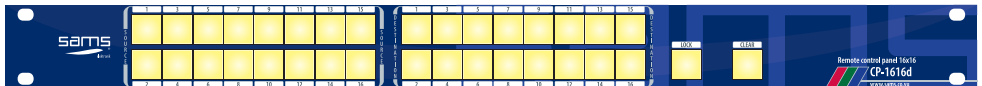
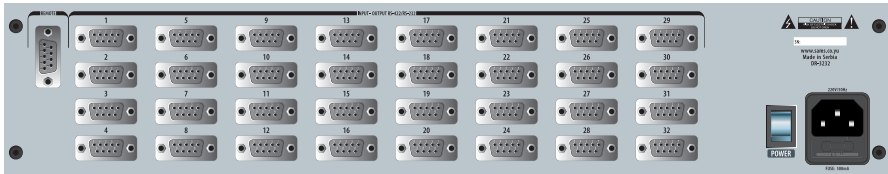


RS-6464, PC control of routing switcher 64x64

- High quality
- 4, 8, 16 or 32 RS-422 data inputs
- 4, 8, 16 or 32 RS-422 data outputs
- Machine and edit control
- For production systems

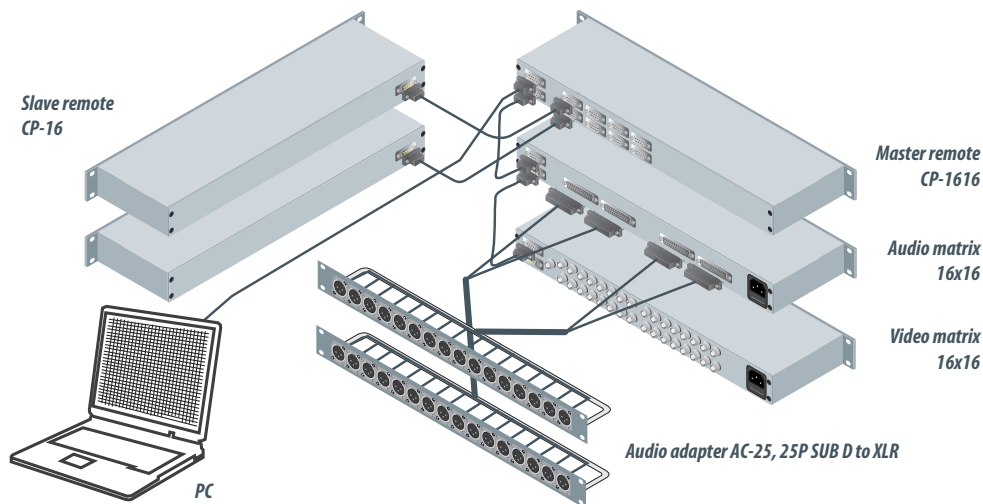


The DR series of smart data router simplifies the installation of any system required machine control. Each ports can be configured as input or output port. Make your studio at the touch of a button. These routers are available in RS-422 format or RS-232 upon request. Router is controlled by smart remote control.



Smart data routing switchers rear view and remote control front view

GRAPHIC EXAMPLE OF CONNECTION BETWEEN ROUTING SWITCHERS AND REMOTE CONTROLS



MASTER REMOTE CONTROL CP^{1616M4}



CP-1616, remote control for 16x16 routing switchers

- Snima / učitava 4 različita statusa veze **NEW!**
- Standard RS-485 port
- Easy to use
- Easy configuration
- Separate routing of audio and video
- Separate routing of audio channels
- Undo function by destination and level
- Locking of individual connections
- Power down memory recovery
- IP 67 keys with a minimum of 5 million switching

CP-1616 remote control allows to easily manage the routing switchers in configuration 16 inputs and 16 outputs. Allows independent control of the three-level switching (VIDEO-AUDIO1-AUDIO2). It also has an "undo" button to return to the previous state, for all 3 levels independently. Remote can lock individual connections on router (DESTINATION LOCK) and to lock the entire panel. A simple way to assign control of destinations to slave remotes through pressing a few keys (detailed explanation on our website under Support). The master remote communicate with the router via an RS-485 serial port and with PC via RS-232.

The new version CP-1616m4 has the ability to save / load 4 different connection status on the matrix, which allows the user to have 4 predefined input and output connections to the router and which can loaded with a single keypress.