

Keep your systems under control





Welcome to Virtual Studio Manager

Keeping control Virtual Studio Manager has become a synonym for the most flexible, robust and powerful broadcast control solution. It is in a class by itself when it comes to the implementation and control of almost every type of broadcast system, such as video routers and switchers, audio systems and peripherals.

Staying flexible Virtual Studio Manager, and its control software vsmStudio, is a customizable system that provides a variety of hardware and software front-ends for an unlimited number of users. Hardware panels and Soft Clients enable flexible integration in a variety of facilities and situations. Seamless integration with the connected broadcast hardware makes it a breeze for user-friendly operation and adaptation to specific workflows.

Getting ahead Virtual Studio Manager gives you extended access to your systems. Control a virtually unlimited amount of routers, physical and logical devices, virtual layers, GP-I/Os, tally and even modular equipment. Attach a video router and manage camera signals, monitors and transmission lines. Add audio routers and control audio sources, feed encoders and even manage your control room monitoring. Connect multi-viewers, color correctors, synchronizers, and control their parameters via the VSM system. Create virtual layers, control UMDs and tally, without needing an external tally system. And, on top of all that, you can monitor every single crosspoint of your router matrices. Get more out of your standard broadcast system and benefit from advanced features and sophisticated control functionality.

Smooth operation VSM provides access for the control of your systems in a number of different ways. For rack-mounting, 19" work areas and desktop use, VSM hardware panels will be your first choice. Fitted with up to 51 multicolor graphical LCD buttons, plus the option to cascade multiple panels, speedy operation is guaranteed, even when integrated with large systems. To enable the effortless alteration of parameters such as audio level, optional incremental encoders can be fitted. Either way, a change of parameters can also be effected by means of pushbuttons. For further flexibility, in combination with PC and web clients, the complete screen area of an attached monitor can be used to represent any individual panel layout.

Open-minded Virtual Studio Manager was designed to be the hub of your broadcast activities. Not only is it the flexible configuration of even special functions, it is also the transparency of the system as a whole that makes VSM so unique. VSM's open architecture, ever ready for new systems and protocols, guarantees future-proof working conditions, with all necessary security issues taken into account. Have a look at the unique features that will dovetail with even your most ambitious applications.



VSM for your applications

Studio Managing productions in TV studio facilities means providing comfortable working conditions and effortless operation. The VSM system is on hand to support technical operators when they need to switch to different vision mixer layouts, monitor wall setups or default tape machine routing assignments. VSM will help you switch seamlessly from SD to HD production, including the pool management of devices such as DTV up/down converters, monitor coders or audio delays. If you need to assign shared resources to multiple studios, even crosspoint elements of, for example, the attached routers, CCUs or audio breakout boxes, these can be stored in and recalled from custom storage groups.

Mobile Short setup times, and a speedy reaction to customer demands on location, are essential to a successful mobile broadcast operation. The VSM system provides a powerful range of tools to handle basic configurations, storage groups and out-board equipment. Challenging projects with simulcast, surround sound, multiple transmission lines or diverse vision controls, become easily manageable. Mobile unit managers receive instant status feedback from every attached router, tally, peripheral equipment and video monitors. The handy VSM Tally and GPI/O interfaces make complex setups a piece of cake. Linked audio and video switching, and the facility to recall multiple crosspoints with just one touch of a button, makes operation, for example, during the transmission line test, effortless and quick. Global name definition for vision mixers, UMDs and multi-viewers helps keep track of signals, and assists the operators. Even the addition of second name labels for UMDs is easy.

MCR Supervision and operation in Master Control Rooms have to be handled under the safest possible conditions. The full redundancy concept of VSM includes a master-less multi-server control network, which remains unaffected by the failure of any individual server machine. From an operational point of view, many advanced features and functions are available for fast and safe working. Timer functions help in the management of recurring line connections. If required, a collision alarm for busy destinations is available. Furthermore, advanced features help to control resources, for example the reservation of transmission lines and peripheral equipment. VSM's virtual signals are useful when you want to bring together technical and operational demands. For example, defining a virtual source as "External source 1" in the MCR, the technical source for "External source 1" may be changed quickly from Downlink 1 to Downlink 2. For all other destinations using "External source 1", no further measures have to be taken, as the VSM system changes all relevant crosspoints to the appropriate destinations, following the configured rules. Furthermore, VSM keeps you informed about the status of your entire system. Keep track of alternative routes and manage critical situations immediately.

Radio Virtual Studio Manager provides special functions for radio applications. In combination with appropriate audio routers, silence detection can be set up. A freely definable rule management system assists in the automatic change of transmission lines, audio sources and peripheral equipment. The handy Apology Rules editor helps to manage even complex fallback and backup scenarios. Transmission line and audio source management is also easy to handle. Use the VSM tieline management to control even decentralized broadcast facilities. Include satellite downlinks and ISDN codecs seamlessly, and simply coordinate the original source and final destination. For daily operations with, for example, recurring studio swaps, even automatic actions are easy to implement. Use VSM Timers and routing management to support operators and editors.

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