

VADIS D.C. II

MODULAR CUSTOMIZABLE AUDIO CONSOLE

KLOTZ DIGITAL





KLOTZ DIGITAL's router based VADIS D.C.II console system provides the ultimate solution in digital audio integration for broadcast, production and live applications. From a single studio to mega broadcasting facilities, VADIS is the most cost-effective and time saving option for traditional analog and digital installations.

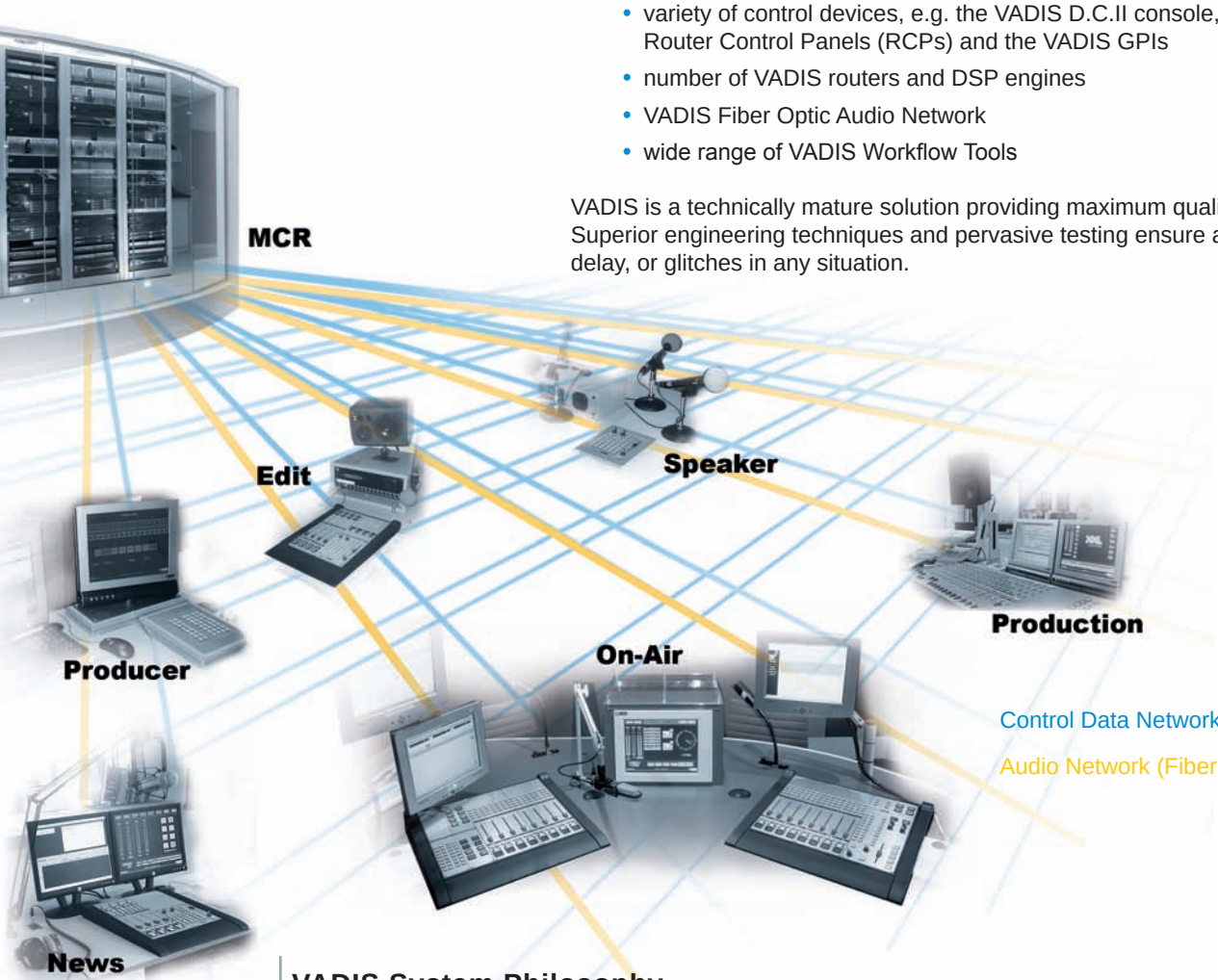
The Secret

Is Behind the Scenes

The KLOTZ DIGITAL VADIS system is a well proven solution which has been installed in countless digital audio facilities around the world. It consists of a:

- variety of control devices, e.g. the VADIS D.C.II console, Router Control Panels (RCPs) and the VADIS GPIs
- number of VADIS routers and DSP engines
- VADIS Fiber Optic Audio Network
- wide range of VADIS Workflow Tools

VADIS is a technically mature solution providing maximum quality and reliability. Superior engineering techniques and pervasive testing ensure absence of latency, delay, or glitches in any situation.



VADIS System Philosophy





The VADIS system was designed with new workflow efficiencies in mind for the audio and media market, improving the business model by reducing installation and operating costs. To accommodate the individuality of our clients VADIS is based on a modular concept and our team of experienced and professional engineers will specifically tailor the VADIS system to meet any customer's challenges.

Giving You Complete Control

VADIS D.C.II Audio Console

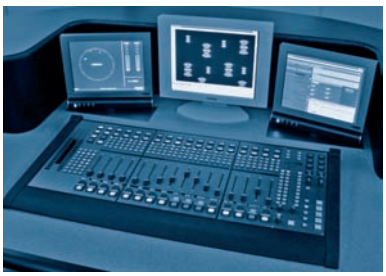
A selection of console modules in different sizes is available. These include an array of fader modules, push button modules, source selection, etc. By placing the most important operational functions exactly where they are required, the operator can be provided with a traditional and familiar console surface layout.

KLOTZ DIGITAL has designed a VADIS D.C.II control surface that is intuitive to operate, and optimal for adaptation to individual ergonomic requirements. The VADIS D.C.II includes a flat screen, or touch screen version, for metering, clock/timer and transmission path indication. It enables the operator to get an immediate system – or channel related overview – including all channel parameters, EQ and DYN settings, as well as source-, preset- and snapshot management. Furthermore, a wide range of specific indicators, buttons, and PPM/VU level meters are provided.

The VADIS D.C.II console surface can be split into multiple surfaces, ranging in size, without any loss in functionality. It is flexible enough to be the best choice for a variety of attractive applications. Choose the surface configuration which suits the specific individual requirements:

- on-air,
- production,
- voice over- or news booth,
- workstation, production areas and talent control











Any Signal Anywhere at Any Time

VADIS Fiber Optic Network

Using the VADIS Fiber Optic Audio Network the VADIS D.C.II control surface provides a perfect way to access the router from any VADIS D.C.II mixing console. Ethernet based control signals interconnect the consoles with each other in addition to the VADIS Fiber Optic Audio Network.

This concept allows the customer to place the control surfaces anywhere in the facility completely independent of the audio processing and routing backbone. Furthermore this decentralized layout allows the optimal sharing of all technical resources between all studios throughout the facility.

Once an audio signal is connected to VADIS, the signal is available anywhere in the system. Sources such as microphones, play-out systems, telephone hybrids and 'CODECS', FM-, AM- and satellite receivers for system wide monitoring and satellite up/downlinks can be managed, edited and used anywhere in the system and from every VADIS D.C.II console, independent from their location, without any additional wiring.

The VADIS method of distribution reduces facility wiring to a minimum, eliminating problems associated with traditional audio cabling. The separation of the audio and control networks guarantees the highest reliability and operational security.

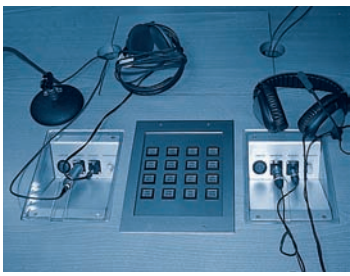
A Real Team Player

VADIS Mainframe

The VADIS D.C.II audio console is based on the VADIS digital audio router and DSP engine family. This acts as a decentralized master router for the studio, placing each frame close to its audio sources and therefore rendering an additional router system unnecessary. DSP cards installed within the frames provide audio processing required for the most basic to the most complex audio processing applications such as dynamics, EQ and or mixing of signals.

The VADIS frame can manage up to 256 real time channels simultaneously each with 32 bit fully linear bandwidth. In combination with additional VADIS frames and by using the very versatile VADIS Fiber Optic Audio Network components, huge router systems with thousands of audio I/Os can be established.







Greater Flexibility than Ever

VADIS Workflow Tools

The complex and individual operational processes in broadcast and production facilities usually present a real challenge to audio and control network systems. That is why KLOTZ DIGITAL enriched the VADIS system with a diverse range of hardware and software modules, forming the VADIS Workflow Toolbox.

These workflow tools enable complex operational processes to be incorporated into the VADIS system, providing human friendly interfaces and workflow efficiencies. VADIS Workflow Tools can be used in almost any combination and guarantee tremendous flexibility of the VADIS system which is essential in meeting the customers' individual requirements.

The VADIS Workflow Toolbox includes solutions for:

- Multiple studios
  - e.g. Shared Control Management
  - e.g. Remote Source Assignment
- Station comfort
  - e.g. Time Switch Software
  - e.g. Central Snapshot and Preset Management
- Safety precautions
  - e.g. User Rights Management
  - e.g. Central Status Monitoring
- 3rd Party interfacing
  - e.g. Hard Disc / Play Out Interface
  - e.g. TCP/IP Interface

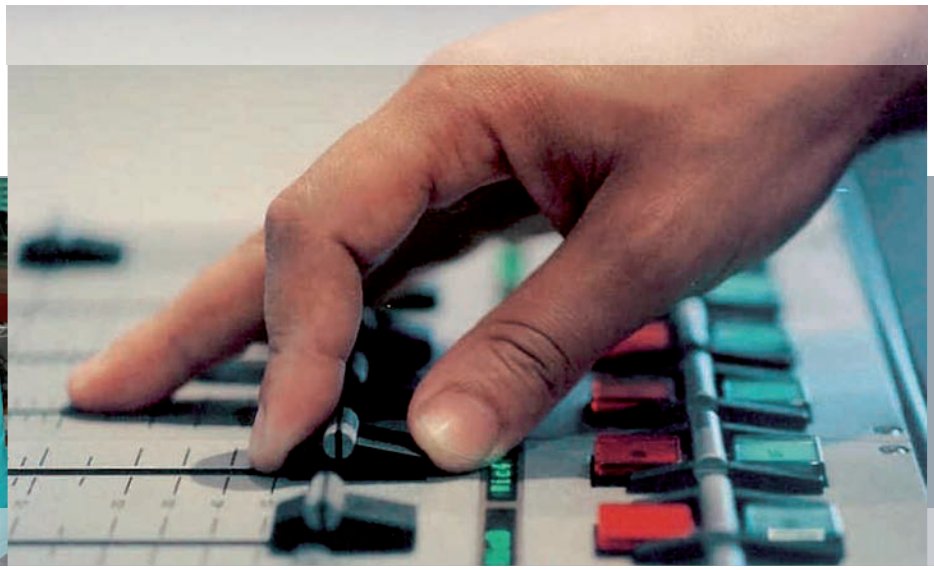












Features & Benefits

In a Nutshell

- The VADIS system is an open architecture:
  - each solution to be tailored to any customer requirement
  - modular layout for applications of any size as well as cost effective and effortless expansion
  - any combination of digital and analog audio I/Os
  - opens up to all KLOTZ DIGITAL radio broadcast products, such as the OCTO-BUS Studio Network or VARIZONE Public Address System and important 3rd party equipment
- Improving efficiency and productivity:
  - optimal sharing of all technical resources between all studios and throughout the whole facility
- Variety in VADIS D.C.II console layout:
  - for aesthetically pleasing applications
  - intelligent ergonomic design and classic surface styling
- Redundant mechanisms providing highest protection against failure:
  - separation of control and audio networks
  - crucial components are fully-redundant
  - automatic cut-over by redundant studio or play out service to maintain on-air continuity
- Reduction of costs:
  - lower investment cost e.g. dramatically reduced wiring and labor costs due to fiber networking
  - reduced maintenance: fewer components, hot swappable technology
  - reduced installation cost as a result of pre-configured components
- Remote control of the central router
- Facility wide intercom built into the platform
- Reduced maintenance and increased productivity as a result of high reliability
- Technically mature solution, well proven in a magnitude of installations worldwide
- Premium product offering best value at a competitive price

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