Digitization improves the world of communication

KLOTZ – the leader of the digital audio revolution

KLOTZ

VZ5000 Conference Discussion System

......a paradigm shift in conference systems

VZ5000 state-of-the-art technology

...Flexible and efficient at unbeatable cost

➢ **Modern digital conference system for small, mid-size and large conferences**

➢ **Modular hence flexible and cost-efficient**

➢ **Available in two versions for both permanent and mobile installation**

➢ **Customizable with up to 100 microphone stations per controller**

➢ **Up to 10 controllers can be cascaded in one system**

➢ **Up to 999 channels can be operated within a system**

➢ **Automatic test procedure for the complete system**

➢ **Easy system control by PC-based control software**

➢ **Future-safe framework allows upgrade for extensions**

➢ **Connectivity of external control equipment and camera by integrated RS 232 or RS 485 interface**

➢ **Easy recording and playback with KLOTZ digital MP3 recorder**

➢ **Complete discussion control by most various management modes**

➢ **Unique calendar and speaking time control**

➢ **Feedback suppression by separate gain adjustment for each input channel**

➢ **Ambient noise isolation of microphone capsule**

➢ **Earphone connection by USB port on each microphone station**

➢ **Superior German design quality**

Unique features for perfect and successful conferences and discussion meetings

Active since more than 30 years in the professional audio industry, the brand KLOTZ is worldwide respected for its innovative product design and highest manufacturing quality. The VZ5000 conference and discussion system is equipped with outstanding audio compression and signal processing technology and integrates all important functions within one controller. The system can simultaneously control up to 999 discussion units and is due to its modular design a perfect solution for small and large conferences.

The VZ5000 is the optimum solution for government summits, conference rooms, conference centers, press centers, court rooms and all other conference and discussion applications. With many exclusive functions, VZ5000 helps substantially to make conferences more efficient and successful.

German technology and decades of know-how in digital studio technology

KLOTZ is internationally highly acknowledged for its innovative designs of outstanding equipment for the professional audio industry. Like the other products developed and manufactured by KLOTZ in Germany, the VZ5000 offers state-of-the-art operational features and highest system reliability in a stylish and elegant enclosure. Each component used in the VZ5000 is carefully selected. Even details like pins of connectors made of special gold-plated copper guarantee best possible durability.

Many features unseen in conference systems of that price category like the multi discussion mode and complete conference process control combined with most reliable technology and German style production make the Digital Conference System VZ5000 the best choice!

1. Central Controller
2. Control Interface Card
   (selectable extension)
3. Portable chairman microphone
4. Portable delegate microphone
5. Flush-mounted chairman panel
6. Flush-mounted delegate panel
7. Flush-mounted microphone box
8. Gooseneck microphone
9. Cables

The fully modular design of the VZ5000 system allows easy adaptation of the VZ5000 to small systems with only a few participants as well as creating very large conference systems with up to 999 discussion units.

The VZ5000 can comfortably be expanded by interpretation and language distribution, voting system, video tracing system and Public Address systems which makes it suitable for meetings of any size and complexity.
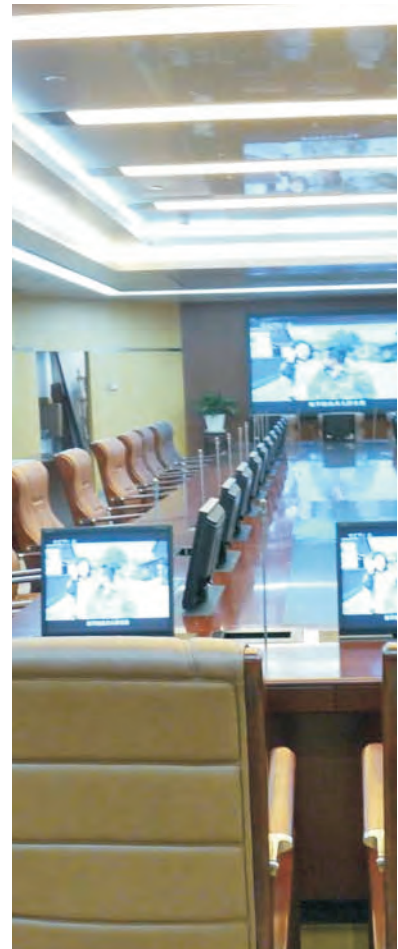
Small-size conferences

...Easy to operate with perfect sound

The ergonomic design of the VZ5000 control units makes operation as simple as possible. All conference participants, chairman as well as delegates, only have to press defined push-buttons to control requested operational functions.

The daisy-chain structure of VZ5000 systems makes installation and operation more than easy: just one cable ring starting at the main controller and ending at the last delegate station connects all control units.

After booting the system, all control units are automatically checked and non-connecting units are reported to the system administrator. Three different conference modes – AUTO mode, FIFO mode or MANUAL mode – make the system easily adaptable to any conference. The implemented automatic timing function computes and displays speaking time for participants' reference (at participant control unit or chairman unit) and the priority function of the chairman microphone allows muting of delegate microphones at any time.

Highest quality microphone capsules together with ambient noise reduction and the shock-absorbing design of the VZ5000 control units guarantee crystal-clear sound of the entire system.

Individual gain control of each microphone suppresses feedback at the microphone stations and fully digital signal processing brings audio quality and intelligibility to perfection.

Mid-size conferences and rental systems

...Flexibly expandable and compatible with other audio systems

Up to 10 VZ5100CU central control units of the VZ5000 system can be cascaded to control up to 999 discussion units. Just connecting the required number of discussions units to central control units make a VZ5000 system a small or large conference system and make it perfect for most flexible rental applications.

The VZ-RS4232 interface card allows connecting external equipment like AMX controllers or PCs to the VZ5000 system and the open control protocol supports many different control systems as well as the powerful VZ5000 control software.

The VZ5000 system can manage up to 10 independent chairman microphone and control units which can be connected at any location within the VZ5000 daisy-chain network. The VZ5000 is equipped with many audio inputs and outputs to connect the VZ5000 to other audio systems. In combination with sound reinforcement systems, recorders, players and public address systems the KLOTZ VZ5000 is the most flexible and cost-efficient solution for mid-size conferences and for AV-rental companies.

Business and conference centers

...Seamless interfacing with all other KLOTZ conference products

All KLOTZ conference products are designed to complement each other. The VZ5000 digital conference system, therefore, can be combined with the KLOTZ VZ6300 Interpretation and Language Distribution System, KLOTZ VZ6500 Voting System, KLOTZ VZ6600 Video Tracing System and the KLOTZ PA System.This makes VZ5000 the ideal building block for all applications in mid-size and large business centers, conference centers and government buildings.

Ergonomically designed configuration software helps system administrators to configure small and large VZ5000 systems with a few mouse clicks.

Automatic boot-up and test procedures guarantee for quick set-up of even complex conferences, whilst ergonomic control and supervising control software manages efficiently any conference, stores conference and delegates data and simulates the layout of the conference room.

Using the integrated audio outputs of the VZ5100CU central controller, administrators can record the entire proceeding. In addition, each delegate can use the VZ5160RD to record the conference comfortably via the integrated USB port of the microphone unit.
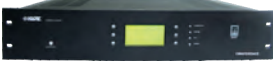
The experience of KLOTZ gathered in 25 years of digital audio design works guarantees administrators and users of VZ5000 systems a reliable system operation regardless if the VZ5000 is used in a small application or in a most complex system.

Unmatched conference solution

The VZ5000 Conference System makes small meetings an easy and efficient event and fulfills at the same time the requirements of large and complex conferences with many delegates.Like the other products developed and manufactured by Klotz in Germany, The VZ5000 offers state-of-the-art operational features and highest system reliability in a stylish and elegant enclosure like the other products designed and manufactured by the German company KLOTZ.

The VZ5000 Conference System offers all necessary components for mobile or temporary set-ups and for fixed installations. On special request, chairman and delegate panels are available with customized panel surfaces and individual printing.

Central controller unit **VZ5100CU**	➢ Up to 100 microphone units can be managed by each single central controller ➢ Up to 10 cascaded controllers control up to 999 discussion units ➢ Up to 10 chairman microphone units can be connected at any location ➢ RS232/422 interfaces for external control PC or other automation systems such as AMX or Crestron ➢ Comfortable and ergonomic system configuration software for system administrator ➢ Many pre-programmed workflow modes including Auto mode and FIFO mode ➢ Interfaces for connection of external devices such as digital recorder ➢ Integrated auto test function ➢ Central volume control ➢ LC status display ➢ Feedback suppression
Portable delegate microphone **VZ5120DM**	➢ Integrated microphone ➢ Integrated monitor loudspeaker ➢ Ultra-bright LED indicates request or speech status ➢ Automatic speech timer ➢ Calendar display ➢ USB port for digital recorder or headphone connection ➢ Available with several kinds of gooseneck microphones
Portable chairman microphone **VZ5110CM**	➢ All features of the delegate microphone and monitor unit as listed above ➢ Management of delegate units ➢ Chairman priority function
Flush-mounted panel **VZ5210CM/ VZ5220DM**	➢ Chairman panel with ON and MUTE button, delegate panel with ON button ➢ Ultra-bright status LED ➢ Can be combined with VZ51xxGM gooseneck microphones ➢ Can be combined with VZ5230MU flush-mounted electronic box ➢ Custom-made panels and symbols
Gooseneck microphone **VZ51xxGM**	➢ Unidirectional polar pattern for high directivity ➢ High quality microphone capsule for perfect intelligibility ➢ Red LED ring on the top of the microphone
Flush-mounted microphone unit **VZ5230MU**	➢ Can be combined with flush-mounted chairman/ delegate microphone ➢ Single cable connection ➢ Available with several operation modes ➢ Configuration of the microphone unit as chairman unit or delegate unit by pushing a button
Accessories	➢ Control interface card for external control ➢ Earphone for conference monitoring ➢ Recorder for storage of proceedings ➢ Extension cable ➢ Cascade cable for central controller ➢ Connectors with gold-plated copper pins

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Specifications are subject to change without notice