DIGIMIC ®
The all-rounder. For small discussions or big conferences.

DIGIMIC is the multitalented solution for all kinds of applications.
DIGIMIC mini is intended for small discussions with a minimum of preparation and ready to use out-of-the-box. DIGIMIC classic, with its language selectors, promotes global understanding and brings people together for experience exchanges. DIGIMIC pro provides reliable wireless control – all available from one and the same product family.

Simple, versatile, DIGIMIC!

Wired or wireless. Or both together! Ease-of-use guaranteed for all scenarios.

Past and present

DIGIMIC stands for digitally controlled microphone management. With DIGIMIC, the digital age of conference technology began. Based on this technical advancement and the related customer benefits, Brähler ICS soon lead the market with DIGIMIC.

Today, DIGIMIC is used in conferences throughout the world setting the standard for transmission quality, reliability and compatibility.

DIGIMIC continues to lead, consolidating its edge with the introduction of the new, digital DIGIMIC. Our new platform for conferencing encompasses over 50 years of experience and extraordinary innovations.

As secure, reliable and easy to use as wired systems

The main focus in developing the DIGIMIC system was on remaining strictly faithful to the four key principles which strongly characterised its analogous predecessor over a period of some three decades: ease of use, flexibility, reliability, and top-notch quality.

DIGIMIC

DIGIMIC works 100% as a stand-alone solution and is completely self-configuring. With DIGIMIC, it is easier than ever before to set up even the most complex conference system. With DIGIMIC, plug & play promises exactly what it says: microphone unit and central unit are quickly connected and ready for conferencing. The system meets studio technology requirements to perform well above the actual standard of conference technology. With DMicControl software, DIGIMIC can also be controlled at any time via the PC. TCP/IP communication is utilized to offer microphone control with geographic interface and name handling as well as various other conference requirements. The DIGIMIC microphone unit is simple and easy to use enabling the delegates to concentrate on one thing – their discussion.

DIGIMIC is made for Conferences

Ease of Use
Setting up a DIGIMIC system was never easier. Once connected each microphone unit is immediately operational without requiring additional configuration. Wired or wireless.

Flexibility
DIGIMIC was developed for all imaginable system sizes and allows up to several thousand microphone units to be used within one and the same system configuration. All functions and settings can also be steered by external systems such as media controllers and computer software.

Reliability
DIGIMIC can be operated completely independently of any computer software. The microphone units are connectable via robust and lockable male and female connectors. In wireless operation mode, the DIGIMIC transmission protocol guarantees interference-free communications.

Quality
DIGIMIC raises the bar for performance and efficiency in conference technology. In addition to the integrated digital audio matrix for intelligent PA system variants, professional analogue and digital interfaces are also available, all in studio quality.

classic

+ **Ultra slim housing and timeless design**
+ **Easy to combine with DIGIMIC pro**
+ **Simple plug & play**
+ **Remote control via DMicControl**
+ **Voting function**
+ **Combinable with DIGIMIC mini com pact control console**
+ **Voice activation**

pro

+ **Ultra flexible: works both wired or wireless**
+ **Proven in tough rental situations, quick and easy to use**
+ **Switchable from wired to wireless operation in only seconds**
+ **Permits parallel operation with other wireless systems**
+ **Full stand-alone operatability**
+ **Protects your conference through maximum security against eavesdropping**
+ **Voice activation**

DIGIMIC mini Compact Control Console

A compact control console which fears no comparison. Together with the microphone units, the DCen mini can be placed in the middle of the conference table and, thanks to its small dimensions and elegant outward appearance, blends harmoniously into the ambient surroundings. The solid plexiglass cover has a black high-gloss finish. However, on request it can be specifically customised to exactly blend in with the ambient surroundings.

Despite its small size, the mini console can control up to 25 microphone units. Or even more if required. It can of course be operated as a stand-alone solution, providing plug-and-play microphone management functions.

Versatile Operating Modes
Various operating modes can be used to support the debate. All microphone units can be turned on at the push of a button or purely via voice activation. In fully automated mode, it allows three participants to engage in debate simultaneously, all other participants must

request the floor. In Float mode, when the maximum number of activated microphone units has been reached, the first speaker is replaced by the last speaker. This all helps you structure the debate.

Absolute Peace and Quiet
The mini console is designed to operate without a cooling system. Nothing is to be heard which might interfere with your conference. DIGIMIC works entirely noiselessly in the background.

All Key Connections
DIGIMIC provides all the required key interfaces – an analogue XLR out (switchable) to connect an external PA system, a line-in enabling combination with video-conferencing technology, a line-out for recording, and a LAN connection for remote control of the conference system via touch panel.

Put It to the Vote
Combined with a CMic CSV microphone unit, you can include your discussion partners in the decision-making process or obtain constructive feedback which can then be analysed and evaluated after the conference is over. The high-performance DIGIVOTE basic interactive voting software enables all voting functions to be very easily steered from within PowerPoint™. This allows you to set up your existing presentations interactively, with the full range of graphic options provided by PowerPoint™. Additionally you may choose to integrate wireless DIGIVOTE III voting units into the system.

System Expansion Made Easy
If you wish to extend the scope of your new DIGIMIC microphone management system, you can use all products from the DIGIMIC line without needing to give up your existing system. Everything is compatible. If your system setup needs to be expanded, if your conferences are held in an international setting involving many languages, or if your microphone stands need to be wirelessly operated – then everything can be managed using one and the same system.

iF product design award

2011 ■

Design

We want the speaker to be the main focus, not the microphone management system. We see our technology as a help towards better understanding. Together with many conference organisers, we feel microphone stands and delegate units should be as inconspicuous as possible. This is why we have designed and built the flattest microphone stand there is, without any loss of performance or functional diversity.

DIGIMIC's CMic – efficient and ultra slim

The fully digital, wired microphone unit CMic in the DIGIMIC system serves as the front-end for verbal communication. The ultra slim and clearly arranged CMic has one button for switching the microphone on and off and for request-to-speak function, lighting up red when activated. The two integrated loudspeakers provide even decentralized voice amplification to increase speech intelligibility where necessary, especially in smaller conference areas without a PA system. In addition, the microphone unit is equipped with a headphone socket and volume control.

CMic features cutting-edge technology in an ultra slim housing, with a height of just 22 mm. And yet it provides all the wired options of its big brother, DMic, with the exception of the data interface for connecting the docking unit DDoc for wireless operation. It easily integrates into the DIGIMIC range, alone or in combination with wireless and/or wired DMics.

DIGIMIC's DMic – unique flexibility

The new frontend of the DIGIMIC system is elegantly designed and the microphone units are reliable, flexible, and provide superior audio quality. Once connected to the system all units are ready to use instantly without any configuration required. Connected chairman units will automatically offer the standard chairman's priority functions and special delegates can be assigned as so-called VIPs.

DCen – intelligent operating system, fully automatically

The central control unit DCen, the heart of the DIGIMIC system, provides a variety of connections insuring a flexible and reliable integration of DIGIMIC into your conference environment. All DIGIMIC conference units are connected using up to four buses using the D9 system cable with robust locking connectors.

General
- 100% stand-alone
- Self-configuration
- 19" housing – 2 HE
- Independent power supplies for each bus
- Flexible and stable system cable and connector

Control
- Menu driven system control
- Remote control via network
- All common conference operation modes: automatic and manual (request) modes, VIP assignment

Common audio device interfaces
(e.g. digital mixing consoles)
- ADAT input and output
  (separate digital output for each bus)
- AES/EBU input and output
- 1 x analogue input XLR balanced
- 5 x analogue outputs XLR balanced
  (1 Master/1 for each bus)

Control input and output
- Two RS232 interfaces for microphone keyboard, media control, camera systems
- Wordclock input
- LAN connection for network control

Connection of units
- Up to 100 delegate units on four branches
- Expandable up to thousands of units

Digital audio
- 48 kHz sample rate
- 24-bit resolution
- 20 to 20,000 Hz frequency response
- 1.1 ms latency time
- Low susceptibility to RF/cell phone/Bluetooth/ UMTS/WiFi etc.

Central Unit DCen 19"

DIGIMIC – Channel selector and Voting

Same Size — More Functions
Our ultra-slim DIGIMIC CMic microphone stand now also houses a channel selector and voting functions. The stand's 5 push-button keys make voting procedures with more than just 3 options possible.

Crystal Clear Display
A high-resolution graphical OLED display shows the selected channel in the respective language, including Cyrillic, Arabic, or Chinese, in pin-sharp detail. The display automatically adjusts to ambient light and is glare-free even in darkened conference rooms.

Tried and Tested Functionality
The tried and tested operating concept of the interpreter console from the high-end CDSVAN series, developed in cooperation with interpreters, also features in the DIGIMIC DDol. Up to 3 selectable output channels and 5 preselectable monitoring languages are just as self-understood as separate speech channels providing a link to the technical team or the chairperson.

Ease of Use
The interpretation system now functions as easily as a microphone management system. Connect the interpreter consoles to the microphone console, set the languages, done. All functions can be used without the need for complicated configurations or a computer.

Making Voting Easy
All voting functions are easily steered via PowerPoint™. This allows you to easily set up your existing presentations interactively, with the full range of graphic options provided by PowerPoint™. Additionally you may choose to integrate wireless DIGIVOTE III voting units into the system.
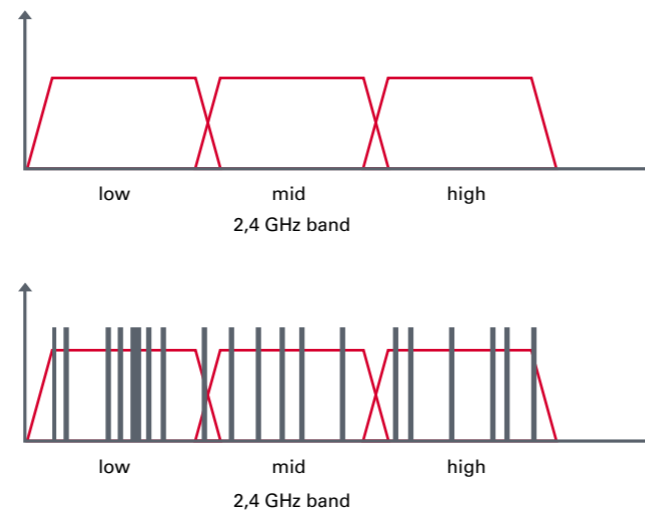
Wireless preferred? ... no problem.

DIGIMIC microphone units can be used in either wired or wireless mode! To make a wired unit wireless, simply replace the wire with the docking station which ensures reliable communication with the DSpark transmission console.

Once the microphone button is pressed, the unit will be recognised and configured fully automatically. The integrated rechargeable lithium-polymer battery ensures continuous operation for over 20 hours. A low battery pack power level is indicated on the DDoc and within the DCen Control software.

Secure and Reliable Wireless Operation

Thanks to narrowband frequency hopping and by automatically searching for suitable wireless channels, the DIGIMIC system continues to function wirelessly even if the frequency band in question is being used by WLAN. 256-bit encryption with continually changing keys provides a high degree of security against eavesdropping. Several wireless systems can be operated in physical proximity to each other.

low   mid   high
2,4 GHz band

low   mid   high
2,4 GHz band

DSpark ... alone or in a team

The DSpark radio transmitter unit ensures problem-free communication within the wireless DIGIMIC system. Its reliability more than matches that of a conventional, wired unit. The DSpark unit is integrated into the system using the D9 system cable, similar to a microphone unit, so it can be used and simultaneously controlled together with wired units, or autonomously, as a wired stand-alone version. This gives you two transmission options in one and the same system.

In today's conference world, mobile phones, Bluetooth functions, and WLAN technology for Internet use are not only nice-to-have but are sometimes an essential part of the conference. The RF radio protocol (APRON) is based on a unique and intelligent adaptive narrowband protocol, ensuring problem-free co-existence of the DIGIMIC conference system with several other wireless systems. Even under heavy use of the frequency band, DIGIMIC always leaves enough room for other applications to function by use of intelligent and adaptive frequency hopping to find unused bands. But even if a band's capacity is exhausted, DIGIMIC proves a fully reliable operatability. The spoken word will always reach the addressee!

For easy configuration, the DSpark can be used fully autonomously (without DCen), offering the most common discussion system functions. This solution offers an inexpensive first step into the wireless world of conferencing, with the added advantage of system upgrading and expansion (wired/ wireless) at a later stage.

General
- Two operation modes: slave mode (connected to DCen), autonomous mode (w/o DCen)
- Wall, ceiling, table and tripod installation
- Continuous operation time of over 20 hours

Transmission protocol
- Adaptive Frequency Hopping
- Dynamic Frequency Diversity System (DFDS)
- Forward Error Correction (FEC)
- Spread Spectrum Method (SSM)

Ensures
- Co-existence with all fixed frequencies such as Wi-Fi
- Self-adjustment to on-site frequency usage conditions
- Continuous audio flow w/o interruption
- Secure audio transmission w/o interception
- Low susceptibility to simultaneous use of cell phones, Bluetooth, UMTS, Wi-Fi, etc.

Autonomous mode
- Complete basic stand-alone functionality
- One analogue input and output
- External power supply (only in autonomous mode)
- Chairman Priority function
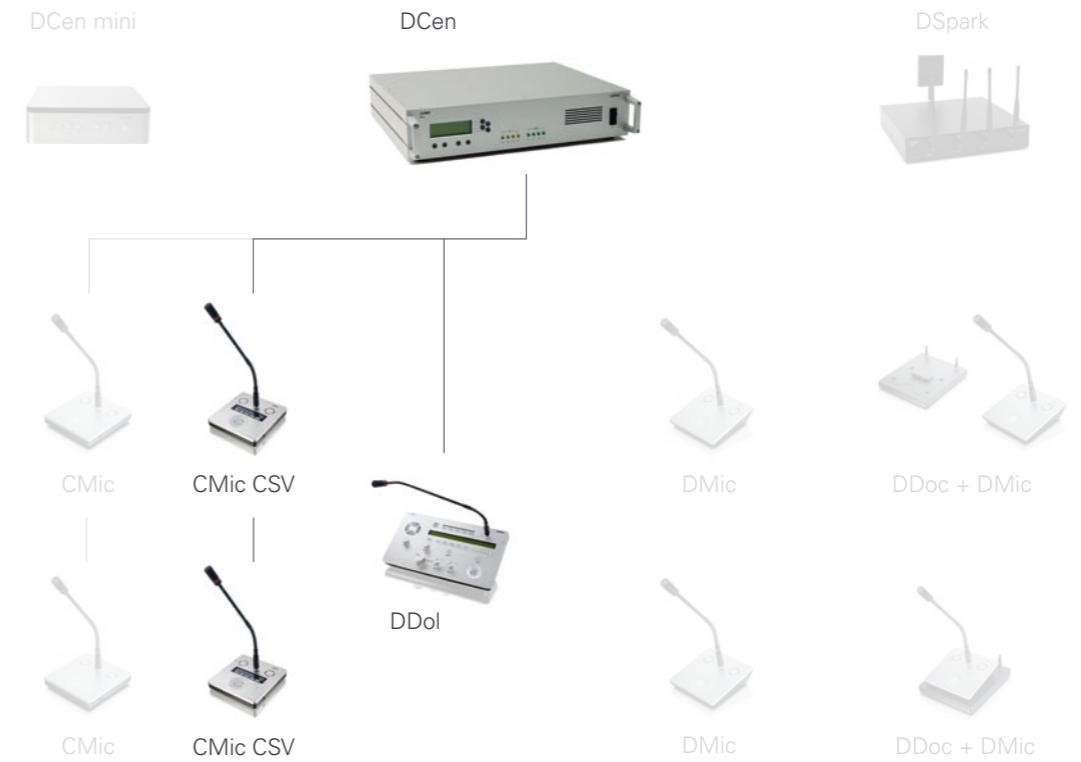- Automatic registration of wireless delegate units

Digital audio
- 48 kHz sample rate
- 24-bit resolution
- 20 to 20,000 Hz frequency response
- 6ms latency time microphone signal

The DIGIMIC Family. Everything you need for a conference – whether big or small.

DIGIMIC mini for an easily operable, small-size discussion system. Operated via voice control or manually at the press of a button. DIGIMIC classic with simultaneous interpreter functionality, microphone stands with a channel selector, and interpreter console, directly connectable to the central DCen console. Stand-alone operability without additional technology. Last but not least, voting functionality via DIGIVOTE, operable via PowerPoint™. DIGIMIC pro for wired or wireless conferencing. Or combine the two. Basically all our units can be used together. Our systems can be freely expanded and adjusted to meet your every requirements. We enable you to cover your current and future requirements without having to make direct investments in something new. **We give you a conference system for life.**
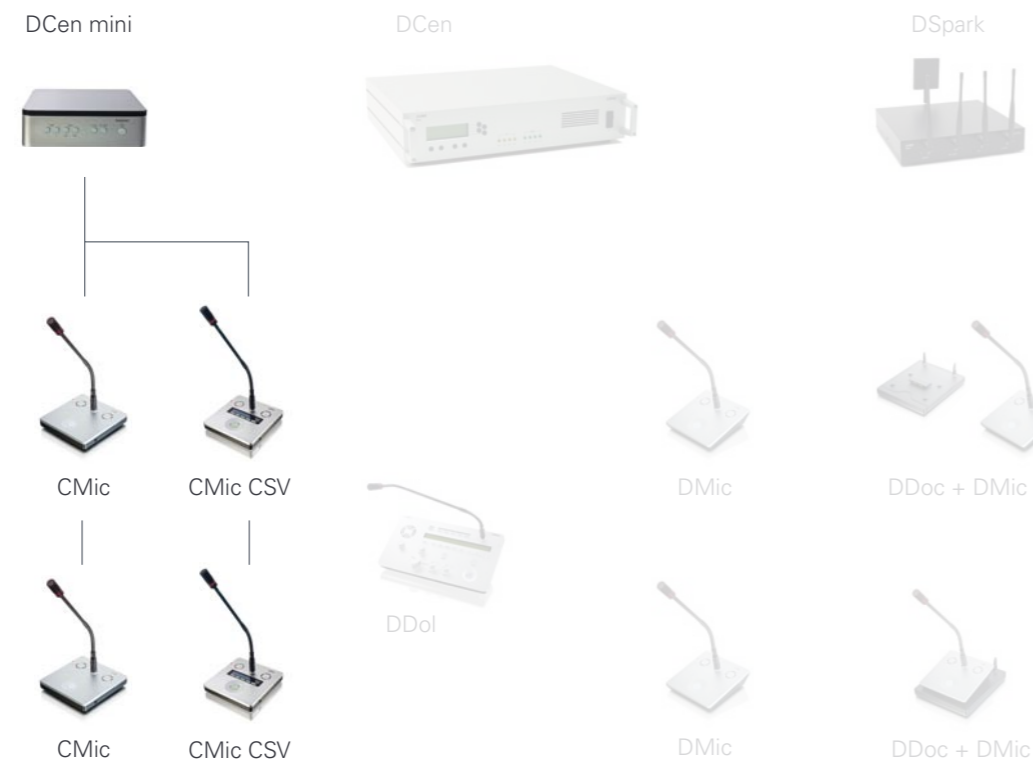
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Classic applications with interpreter functionality

DCen mini   DCen   DSpark

CMic   CMic CSV   DMic   DDoc + DMic

DDol

CMic   CMic CSV   DMic   DDoc + DMic

1

For small conferences

DCen mini   DCen   DSpark

CMic   CMic CSV   DMic   DDoc + DMic

DDol

CMic   CMic CSV   DMic   DDoc + DMic

3

Pro applications – wired or wireless, or both together

DCen mini   DCen   DSpark

CMic   CMic CSV   DMic   DDoc + DMic

DDol

CMic   CMic CSV   DMic   DDoc + DMic