

MCW-D 50

Digital
Wireless Conference System

MCW-D 50





The Mobile Microphone Units

are characterized by their mobility, that is the simplicity of mounting and dismounting. They are the communication tool of all participants for talking or registering their request-to-talk. The well-designed housing with integrated aerial guarantees steadiness and a noise-free transmission. The flexible gooseneck microphone guarantees the perfect adjustment. The illuminated ring below the microphone and an LED in the housing indicate the ready-to-speak condition. The illuminated ring also shows the battery status inside the charging and transport case. The latest in storage battery technology allows for working runs of 20 to 30 hours, depending on the participation in the discussion. The MCW-D 50 microphone unit works entirely wireless and is therefore quickly installed. They are the perfect tool for conferences in historical buildings where no architectural alterations are allowed. Simultaneously the MCW-D 50 provides maximum security.

The Function

By pressing the microphone button the participant can switch on his microphone unit or register in the system. When the microphone unit is activated the green LED and the illuminated ring around the gooseneck indicate the ready-to-talk condition. If the participant is registered in the system, the LED of the housing is illuminated red and indicates the request-to-talk condition.

When permitted by the chairman, the ready-to-talk condition of his microphone is indicated by a change of colours of the housing LED from red to green and the red illuminated gooseneck ring.

The chairman microphone units are equipped with three buttons unlike the delegate microphone units. Apart from the microphone button they have a clear and a priority button. With clear button all active microphone units can be switched off. With the priority button the chairman can join the discussion at any time. Depending on the configuration, all active delegate units are temporarily muted or switched off completely.

Moreover, each delegate microphone unit can be re-programmed internally to a single button chairman microphone unit.

The Operation

„Place it – switch it on – go ahead!“ Abiding by this motto the MCW-D works without any service staff. First configuration and programming is done wirelessly. As an option it can be controlled and monitored via PC or touchscreen with the easy-to-operate MCW-D 50 conference software running under Windows®, or with a media control unit. The Designer program which is integrated into the MCW-D 50 conference software makes it possible to create an individual arrangement of microphone units, so each microphone unit can be remotely enabled and assigned.

The Control Unit

The MCW-D 50 control unit is the nerve center of the system. It can control up to 4096 microphone units (depending on the version) in different operating modes. Control by the participant him/herself – autonomy mode or request-to-talk mode with PC or media control system.

The configuration of the entire system can be conducted simply with the Editor software integrated into the MCW-D 50 conference software. For a larger span of application it is possible to integrate external systems like mixers and recorders.

Of course it is possible to connect the conference & recording software steno-s™.

Would you like wireless voting function and interpreters' channels?

We will be glad to supply the MCW-D 200 series. If you have any questions do not hesitate to contact us!

Digital Wireless Conference System

At A Glance

- unique beyerdynamic microphone quality
- as flexible as the different spheres of application in your conference require
- wireless, easily and quickly installed
- mobile – ready to operate at any time – handy in storing – easy to transport
- programs itself wirelessly
- top safety due to digital control and DSSS-transmission
- approved worldwide for use in the 2.4 GHz range
- limitation of signal range
- up to 9 bi-directional data channels – simultaneous sending and receiving of audio data
- self-explanatory and comfortable operation of up to 4096 microphone units
- future-proof due to possible network connection with TCP/IP and RS 232 interface
- can be integrated into existing media devices
- compatibility to PC and media controls via touchpanel
- individual operator interface of the control software
- harddisk-recording with connection of the unique steno-s™ conference & recording software
- freely adjustable gooseneck with ready-to-talk indicator as microphone support
- high-quality, stable housing with high-end Nextel® finish with integrated aerial
- rechargeable battery without memory effect, 20-30 hrs. operating time, depending on the participation in the conference
- **top price-performance ratio guarantees a safe investment**

Like this you can organize conferences and discussions efficiently and safe from unauthorized listening.

Conveying information via verbal communication is the point of all congresses, seminars or conferences. This is only possible if you can make yourself clear. For more than eighty

years now, beyerdynamic has made exactly this its business. Uttermost precision in fabrication and a rigid quality control guarantee the reliability and longevity of our products.

We permanently monitor and improve each step from development to manufacture.

The wish to get even better is what urges us on every day.

Our challenge is a permanent world-wide use of our products.

The MCW-D 50 is a result of it.

Simple And Safe

A prerequisite for a fruitful discussion is the simple and faultless usability of the conference system, that's clear. Just as clear is the dateless design of MCW-D 50.

Its haptics inspire with a glare-free Nextel® surface finish offered in a multitude of colours. The housing guarantees a firm stand and good shielding.

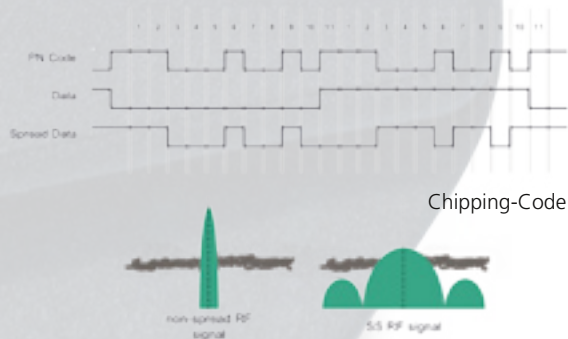
The gracile gooseneck does not get in your way, provides the perfect speaking angle and indicates the ready-to-talk condition with the illuminated ring. Faulty operation is prevented by a simple single or three button control.

8 Arguments For Your Safety

- DSSS is the safest transmission technology. The signals are transmitted over a complete wide-band spectrum in low intensity. No reception outside the room/building possible.
- 11 bit chipping code – additional encryption of audio signals before data transmission. No data can be filtered from the transmission signal without the chipping code.
- Proprietary data transmission protocol – The audio and control data are encrypted in beyerdynamic's own format.
- 128 bit data encrypting – highest possible grade of encryption for sensitive data transmission.
- The audio signals are compressed and decompressed in beyerdynamic's own format.
- 8-digit alphanumeric PIN code in number and letter format – microphone units with no or a wrong PIN are automatically switched off by the control unit.
- Redundant data transmission with check sum monitoring to suppress interferences (like e.g. bluetooth, LAWN test and search scanners).
- 3 bidirectional audio data streams are transmitted in DSSS. This allows a coexistence with LAWN in the 2.4 GHz frequency range. With an extension to 3 DSSS smartlink modules, instead of the standard 1, it is possible to operate 9 microphone units instead of 3 simultaneously. And / or multichannel suitability for up to 3 autonomous systems at a time.



Battery status is indicated via the illuminated rings of the microphone unit



Chipping-Code

Distribution of the signal over the entire spectrum

System components



MCW-D 523

Chairman microphone unit with loudspeaker. Gooseneck microphone with illuminated ring. 3 microphone buttons with LED, clear and priority button. Cardioid characteristic, headphone and documentation output, energy supply: 8 NiMH batteries for 20 to 30 hours, depending on the participation in the discussion, DC-connection for DC operation or fast recharge.



MCW-D 521

Delegate microphone unit with loudspeaker. Gooseneck microphone with illuminated ring. 1 microphone button with LED for to indicate request-to-speak or on/off. Cardioid characteristic, headphone and documentation output, energy supply: 8 NiMH batteries for 20 to 30 hours, depending on the participation in the discussion. DC-connection for DC operation or fast recharge.



The Intelligent Transport & Storing Solution



CC 10

Modular case with individual expansions for the storage of microphone units, charging electronics and control unit. An integrated supply unit allows charging of 1 to 10 microphone units at a time – without the need to discharge first. The intelligent charging electronics in the microphone units avoid the unwanted memory effect. Convenient inspection window for easy surveillance of the charging procedure of each microphone unit. Wheeled and stackable for mobile storage.



MCW-D 50

Control unit for up to 4096 wireless digital microphone units. 19" desktop housing HF receiving and sending aerial for larger range. System configuration with MCWD 50 conference software via PC. RS 232 interface and network port for external control via PC or media control unit. Additional audio input for e.g. wireless microphone. Instant application in discussions without additional PA. Master output for external PA.





Today's Media & Conference Technology For Tomorrow's Communication

MCW-D 50 gives you the certitude to be prepared for any situation. No matter if the conference system is supposed to be PC controlled or if it is integrated into a complex system with wireless touch panel and digital audio network. Due to the ethernet network connection with TCP/IP protocol you have a future-proof system for decentralized control versions of the conference system.

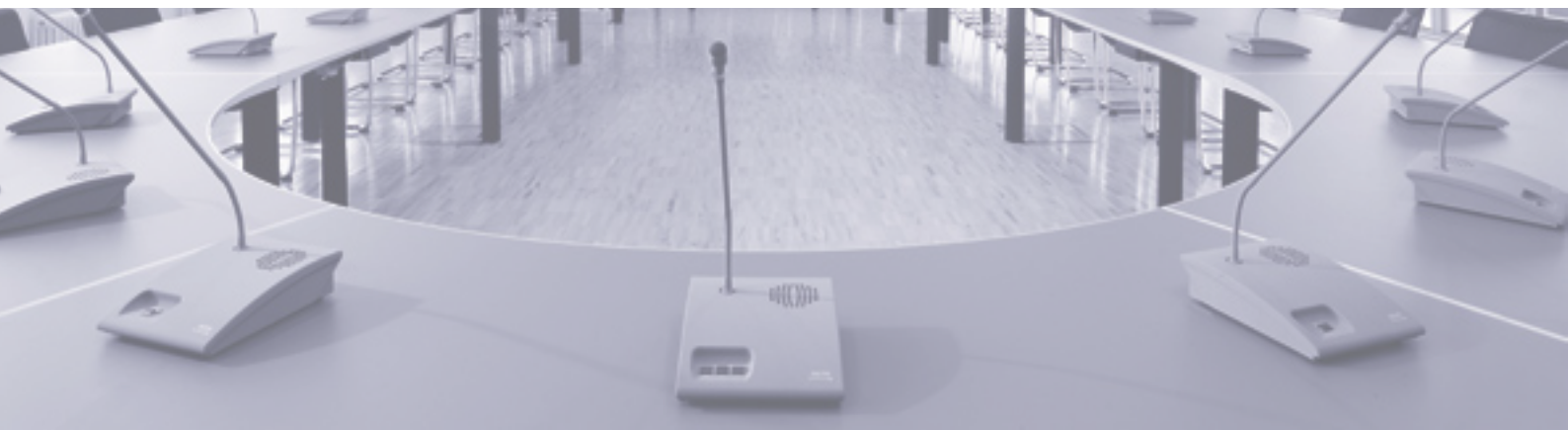
There is a wide range of possibilities, the individual requirements decide. The MCW-D 50 system will give you the certainty to have invested into the future of professional media and conference technology.

Thanks to the serial RS 232 and ethernet interface at the MCW-D 50 control unit, which will fit smoothly into any technical cabinet due to its 19" execution, you have a connectivity angled for the future. Several beyerdynamic software components, like the MCW-D 50 conference software or the innovative conference & recording software steno-STM, do not only expand the spectrum of the MCW-D 50 system, they will also prevent obsolescence.

beyerdynamic – powered for tomorrow's conference!



MCW-D controller software on a PC touchpanel



References



MCW-Digital conference systems in use worldwide (summary)

Germany:

Allianz AG
 AOK Health Insurance
 Bosch
 British Embassy
 Daimler-Chrysler
 DEKA-Bank / Trianon
 Deutscher Bundestag
 DGB - Deutscher Gewerkschaftsbund
 Dresdner Bank
 Hannover Allgemeine Versicherung
 Hockenheim-Ring, Press Center
 IG Metall
 IHKs – Chambers of Commerce and Industry
 Immo Westbank
 Karstadt
 KfW-Bank – Bank for Reconstruction
 Kreissparkassen
 Landgericht Mannheim, District Court
 Landtag Baden-Wuerttemberg, Land Parliament
 Max-Planck-Institut
 Nord-LB Hannover
 T-Online
 Volksbanken
 West-LB

International:

Municipal Hall Leonding - Austria
 Economy Chamber Salzburg - Austria
 Event Center Ardnig - Austria
 City Hall Mechelen - Belgium
 Canadian Air and Transport Security Agency, Ottawa - Canada
 Supreme Court - Chile
 Shenyang Petroleum General Corporation - China
 City Hall Skanderborg - Denmark
 Prime Minister's Office - Egypt
 City Hall Lyon - France
 Ace International, London – Great Britain
 Central Office of the Suburb Railway of Athens - Greece
 Ministry for Defence - Hungary
 National Gas Company - Iran
 Fiat, Turino - Italy
 Nissan - Japan
 Parlament Kamerun
 Telcom - Katar
 Conference Ship - Kuwait
 European Commission, Luxembourg
 Ministry for Foreign Affairs, Mexico
 Chamber of Commerce Eindhoven - Netherlands
 College for Internat. Development Aid, Den Haag - Netherlands
 Moscow University - Russia
 Ministry for Transport Russia
 Parliament of the Balearic Islands - Spain
 Spanish Bank BBVA - Spain
 Energie-Supply - Sweden
 Bank Julius Bär, Zurich - Switzerland
 World Trade Organisation, Geneva- Switzerland
 Audio-Visual Sales Albany N.Y. - USA
 NASA / JPL - USA
 Texas Board of Regents - USA



steno-s Software – Rapid, Easy Navigation Through Your Records Prepare – Discuss – Journalize – Burn – Print & File

Where you used to jot down with pen and paper the most important facts of your meeting for the records and a tape was recording in the background, you now have the all-in-one solution: steno-s™.

With steno-s™ you can systematically access certain items after the meeting and you have the possibility to comment these via text input.



- harddisk recording of meetings
- markers will highlight comments in the records
- self-explanatory operation
- prepared agenda bears steno-s™ markers
- compatible to Microsoft Word®
- setting of editable selectors during the recording
- markers can be directly addressed
- convenient pedal switch as an option
- paperless filing of sound data on CD
- any desired file from a meeting can be attached (Excel®, PowerPoint® etc.)
- perfect archive data backup
- 3 versionen available: Office, Pro, Conference
- and much more.

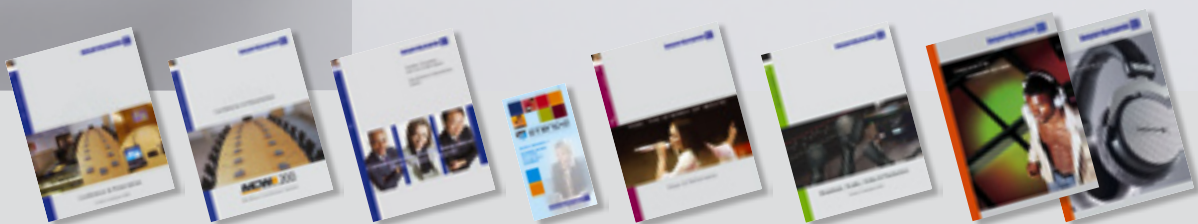
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