



DIGITAL WIRELESS CONFERENCE SYSTEM MCW-D 50





# THE POWER OF DIALOGUE

Nothing can replace the direct conversation between people. Letters, e-mails, telephone conversations and video conferences are only partly alternatives to an exchange of ideas from face to face. It is the intonation, pitch of the voice and expression that form opinions, points of view and comprehensible ideas from words – not only in conversations with a few, but also within large groups of people.

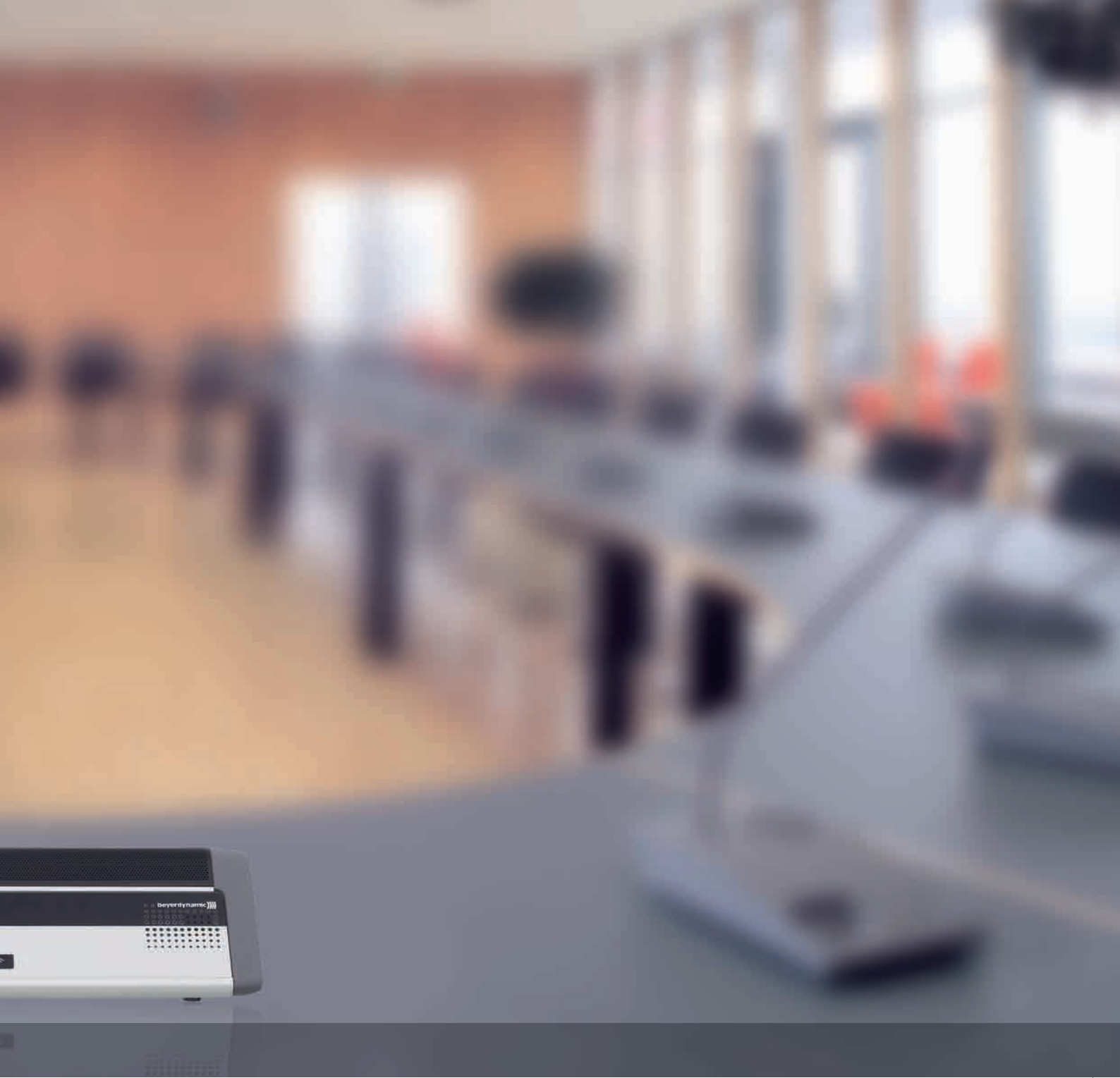
# MAKE YOURSELF CLEAR

With state-of-the-art technologies the wireless MCW-D 50 digital conference system from beyerdynamic provides the basis for this important dialogue. Make your voice heard in meetings and discussions and reinforce your words decisively. The unobtrusive microphone units without annoying cables provide maximum flexibility with an impressive audio quality so that you can make yourself clear.



## INCONSPICUOUS DESIGN

The interior of your conference room is of course more than appropriate for making decisions and generating business; the characteristic and the atmosphere of the room represent your own individuality. Your choice of microphone system should be one that does not counteract but enhance. The MCW-D conference system implements this philosophy like no other. All microphone units have been designed to provide a timeless elegance which allows the perfect integration into both historic ambience as well as modern environments, all with the discreet professionalism that you expect from beyerdynamic.



The MCW-D control unit provides a solid, reliable wireless communication between the participants and is designed to work inconspicuously in the background or even invisibly in a separate engineering room. The secure, encrypted connection to the microphone units is ensured by a selection of small antennas, which can adapt different colours for permanent installations. Alternatively, they can be invisibly installed within ceiling voids or behind room elements like panels or curtains.



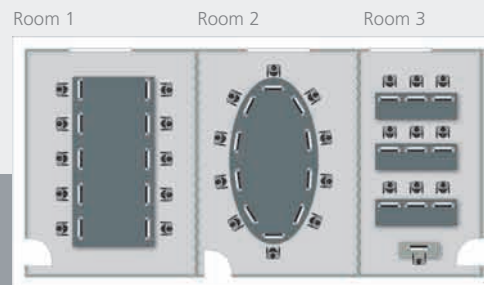


## FREEDOM OF SPEECH

Use the freedom you normally have for personal conversations in your meetings and discussions. Due to the patented Revoluto technology the MCW-D now provides a new quality for the freedom of speech. You decide what you want to say and in particular how you want to say it. Blending the tried and tested reliability of MCW-D 50 with the patented line-array microphone technology of the Revoluto system, Revoluto wireless allows you to sit, stand or lean forwards and backwards when speaking with minimum impact on audio performance. In contrast to the classical gooseneck microphone you do not need to be positioned in a certain direction to the microphone. By generating a corridor characteristic Revoluto technology supports your lively communication. Keep eye contact to all participants while speaking and achieve a new quality in your presentation techniques.



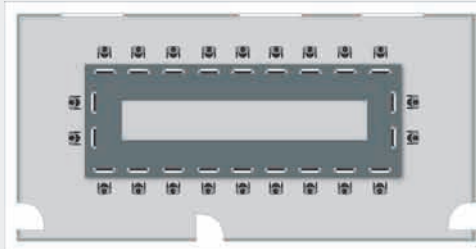
You set standards in your meetings and discussions - do not allow your audio system to restrict you in this process. The wireless design of MCW-D 50 offers you flexibility in terms of room selection, as well as room layout – different table configurations are easy to set up with MCW-D. Do you use partition walls to create separate rooms? Then split your conference system accordingly. MCW-D supports multi-room applications with quick and easy separation and combination of microphone units. Allocate the microphone units to a maximum of three separate control units in parallel – each control unit can manage up to 4,096 microphone units.



## INDEPENDENCE

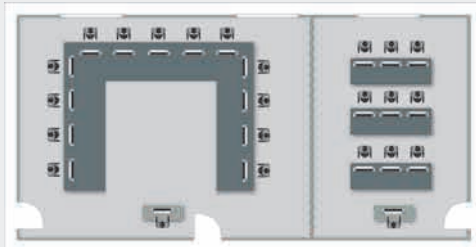
### EXAMPLES FOR SEPARATE ROOMS

Room 1 + Room 2 + Room 3 combined



Room 1 + 2

Room 3



Room 1

Room 2 + 3



## SIMPLE

Ready – steady – go! No other digital wireless conference system on the market is as quick and simple to setup and pack down as MCW-D. Simply take the microphone units from the charging and transport cases, put them on the table, turn them on and get started. Neither technical staff nor software programs are needed in order to use MCW-D in your meeting.

As quickly as that, the microphone units in their entirety can be removed from the desk and safely stored for the next use. After a maximum charging time of 3.5 hours the conference system is ready for use again. Depending on the type of microphone unit, the operating time is more than 30 hours – without recharging, without battery exchange. Unparalleled standards.



## FEEL SECURE

Ever since their introduction in 2001, all MCW-D systems have featured unrivalled security in wireless communication. With the safest radio transmission, 128bit data encryption and other acknowledged safety measures, you and your conference participants are fully protected against unauthorised listening when using an MCW-D system.

The transmission method and numerous implemented technical features ensure the simultaneous operation of standard wireless applications such as WLAN or Bluetooth. Interference from mobile devices (telephone, pocket PC etc.) is also effectively eliminated.

## EFFICIENT



Time is money! Therefore, the results generated in your meetings and discussions are essential. MCW-D supports you with optimal intelligibility of speech combined with a simple-to-use, reliable interface.

The intelligent MCW-D control unit operates completely autonomously in the background. The chairman, who has special operating rights, can rise to speak at any time and call the meeting to order. On request there is the possibility to control the conference semi-automatically or manually via the MCW-D 50 Conference software. When time is short, you can simply activate the programmable speech time limit or allow individual participants to speak at the touch of a button, per mouse click or via an individual user interface on a touch screen.

No matter how you organise the procedure of your meeting, the simple one-button operation of the microphone units allows all participants to concentrate on the essential contents of the meeting. When using the integrated voice activation mode, the microphone units are even turned on automatically without pressing a button. Reliable and uncomplicated, MCW-D increases the efficiency of every meeting.





## SUSTAINABILITY

A conference system is not a short-lived consumer article, but a long-term investment for the future. The costs for such an investment are reflected over the whole life-cycle of this investment. Right from the start we developed and designed the MCW-D 50 system with these facts in mind as well as with a touch of passion and precision for the detail, without losing sight of the bigger picture.

The Nickel Metal Hydride (NiMH) rechargeable batteries which are used inside each microphone unit provide extreme durability over many years. The battery cells will be available for supply long after the year 2040, other than alternative cell types.

TÜV-certified production processes with high quality standards ensure use of the highest grade materials for long-lasting availability and reliability of all system components.

Microphone units with Revoluto technology do not need any mechanical wearing part. Additionally easy servicing means quick and easy updates even at your location. Combine this with an excellent price / performance ratio and it is possible to see that future budgets can be saved by investing in an MCW-D system.

## FOR GENERATIONS

We are all responsible for the future of the environment and all generations following. Apart from its high life-expectancy, the concept of sustainability for MCW-D includes the selection and possibility of recycling the materials used in the production and disposal process. beyerdynamic guarantees the resource-conserving production of all MCW-D systems in Germany, considering all environmental regulations. All materials and especially the NiMH rechargeable batteries used by beyerdynamic allow for environmentally-friendly recycling, ensuring peace of mind.



# MCW-D 50 SYSTEM COMPONENTS



MCW-D 531 – Delegate microphone unit with Revoluto technology, microphone button and two-way loudspeaker system



MCW-D 533 – Chairman microphone unit with Revoluto technology, microphone button, prior and clear button and two-way loudspeaker system



MCW-D 521 – Delegate microphone unit with gooseneck microphone, microphone button and wideband loudspeaker

MCW-D 523 – Chairman microphone unit with gooseneck microphone, microphone button, prior and clear button and wideband loudspeaker





MCW-D 50 / 3 – Control unit with a maximum of three or nine voice channels  
MCW-D 50 / 9



CC 13 – Transport and charging case for a maximum of twelve  
MCW-D 53x microphone units

CD 13 – Charging compartment for a maximum of twelve  
MCW-D 53x microphone units

CC 12 – Charging compartment for a maximum of twelve  
MCW-D 53x microphone units

CD 12 – Charging compartment for a maximum of ten  
MCW-D 52x microphone units

Antennas and accessories



# EXPERTISE FROM MORE THAN EIGHT DECADES

Since the foundation of the company by Eugen Beyer in 1924, his pioneering spirit is still alive and milestones in electro acoustics are set again and again.

The passion for perfect sound and the corresponding know-how produce innovations such as the patented Revoluto technology. With intelligent innovations as a basis for the unbroken success of the digital wireless conference system, you will still find MCW-D among the class leaders.



Foundation of the company in Berlin



Transmission system with M 60 directional microphones



Wired analogue conference system with MTF microphone units



MCS 100 – digitally controlled single cable discussion system

1924

1960

1970

1997



1939

1962

1988

First M 19 b dynamic studio microphone, also for conferences

The "Transistophone" - the first wireless microphone system

Single cable discussion system with MTS microphone units





MCS 50 – wired conference system, cost-effective and powerful

2000



MCW-D 200 – digital wireless conference system, unique standard regarding protection against unauthorised listening, functionality and comfort

2003



MCS-D 200 – fully digital, wired conference system with NetRateBus and microphone units with Revoluto technology

2006

1999

MCW Analogue – the first wireless conference system



2001

MCW-D 100 – fully digital, wireless and bug-proof



2005

MCW-D 50 – cost-effective wireless system with maximum transmission reliability





MCS 20 – wired conference system without control unit

Further development of the MCS-D 200 – Fold-away built-in microphone units with Revoluto technology and connector panel

MCW-D 50 – from now on with wireless Revoluto technology

2008

2009



# REFERENCES

## MCW-Digital conference systems in use worldwide (summary)

### GERMANY:

Allianz AG  
AOK Health Insurance  
British Embassy, Berlin  
Daimler-Chrysler  
DEKA-Bank / Trianon  
DGB - Deutscher Gewerkschaftsbund  
Dresdner Bank  
Deutsche Bank  
Federal Ministry of Economics  
German Parliament  
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:

Provincial Government of Luanda – Angola  
Municipal Hall Leonding – Austria  
Economy Chamber Salzburg – Austria  
Event Center Ardnig – Austria  
City Hall Mechelen – Belgium  
British Embassy – Brazil  
Parliament of Cameroon – Cameroon  
Canadian Air and Transport Security Agency, Ottawa – Canada  
Supreme Court – Chile  
Shanghai Power – China  
Shenyang Petroleum General Corporation – China

City Hall Skanderborg – Denmark  
Prime Minister's Office – Egypt  
City Hall Lyon – France  
Mercedes France, Paris – France  
Tahitian parliament, Papeete – French Polynesia Islands  
Ace International, London – Great Britain  
Bank of England – Great Britain  
Edinburgh City Council – Great Britain  
Central Office of the Suburb Railway of Athens – Greece  
Ministry for Defence – Hungary  
Crowne Plaza Hotel, Gurgaon – India  
Fiat, Turino – Italy  
Prada, Milano – Italy  
Nissan – Japan  
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  
Peace Palace The Hague – Netherlands  
The Presidency (State House Nigeria), Abuja – Nigeria  
Moscow University – Russia  
Ministry for Transport Russia  
Airbus Industries, Madrid – Spain  
Parliament of the Balearic Islands – Spain  
Spanish Bank BBVA – Spain  
Energie-Supply – Sweden  
Bank Julius Bär, Zurich – Switzerland  
Swiss Parliament, Bern – Switzerland  
World Trade Organisation, Geneva – Switzerland  
Conference Centre Abu Dhabi – UAE  
Audio-Visual Sales Albany N.Y. – USA  
International Finance Corporation (IFC), Washington (D.C.) – USA  
NASA / JPL – USA  
Texas Board of Regents – USA



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