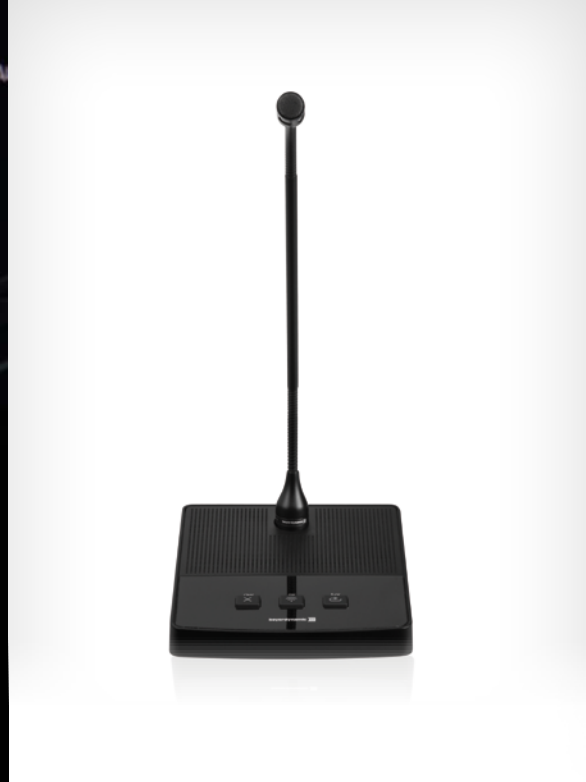


# ORBIS RELIABLE CONFERENCE

CONFERENCE  
TECHNOLOGY  
MADE IN GERMANY





# Reliable, intuitive, functional

## Orbis, the digital, wired conference system



The spoken word and its effect on our fellow human beings is part of our communication on a daily basis, at conferences and lectures. Whether in conference rooms, council halls or boardrooms – the spoken word can only be powerful if it is understood. Therefore, technology becomes an indispensable part of your entire presentation.

This new wired conference system combines demanding design and discreet integration in high-quality furnishing and becomes an inherent part of your success. During development we were very careful to concentrate on the operational reliability and user convenience of the system, without having to neglect technical refinements.

Modern design, ease-of-use, operational reliability and high-quality materials are now what make this new conference system stand out.

# CONTROL UNIT

## RELIABLE, MODERN, INTUITIVE

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### **The centre of your conference**

The control unit sets new standards with regard to design and operability. High-quality materials and the innovative one-button navigation concept make this control unit unique and provide for extremely simple operation and configuration of numerous functions.

## Advantages that you will remember.

### The most important functions of the Orbis control unit.



#### Reliable operation

**Maximum reliability due to redundancy.** A set up with all microphone units in a loop ensures a system redundancy with a maximum operational reliability. Even when a defect within the cabling of the microphone units or a failure within the microphone units occurs, the conference system will still be powered from the other end of the loop.



#### OneButton Navigation

**Unprecedented user-friendliness that speaks for itself.** The innovative one-button navigation makes operation of the system intuitive and implementation uncomplicated. By consistently dispensing with numerous sub-menus, we have achieved an unprecedented level of user-friendliness. An overview of all functions and parameters can be seen at a glance on the glass panel display.



#### System capacity

**Excellent consumption figures enable a high number of microphone units.** The line system topology allows the operation with a maximum of 100 microphone units using one control unit. If the system is connected in a loop to achieve the redundant operating mode, a maximum of 50 microphone units can be connected to one control unit. This impressive system capacity is achieved with economical microphone units that use less than 1 Watt in operation and at maximum volume.



#### Hot plugging

Additional microphone units can be added to the system or, if necessary, individual microphone units can be replaced, without interrupting the conference. In both cases there is automatic system recognition in the network.



#### Display

The labelled and back-lit glass display provides clear and well-arranged presentation of the operating parameters. As only those functions which have been set are back-lit, the user has an overview at a glance and any changes are very simple.



#### Interfaces

Using the RS-232 interface, the Orbis can be connected to a media control system. Control commands allow convenient operation of the microphones and various status displays, such as redundancy, fire alarm and audio recording.



#### Recording

The integrated recorder allows each meeting to be recorded without an extra device to ensure the registration of important incidents. This function becomes only then visible, when an SD card has been inserted into the control unit.



#### Audio settings

Due to its flexibility, Orbis can be used for a variety of applications. Audio signals are channelled and emitted via inputs and outputs in the digital signal processor, for example for telephone or video conferences or for the inclusion of a foreign language channel for interpreting purposes.



#### 19" rack mount kit

In order to mount the control unit in a 19" rack, we supply a 19" rack mount kit as an optional accessory.

# MICROPHONE UNITS

## MODERN, CLEAR, SOPHISTICATED

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**Modern design in harmony with high-quality materials.**

Conference technology that exceeds the highest demands thanks to a consequent design and premium-quality materials. With beyerdynamic's gene of individuality, we are underlining not only the furnishings, but also your presentation in conference rooms or meetings. With features like backlit, easy-to-feel silicone push-buttons with Braille and a headphone connection for hearing assistance we adhere to the UN Convention to ensure equal participation of disabled persons in society.

## Properties that satisfy every need.

### The main features of the Orbis microphone units at a glance.



#### Integrated solutions

**Microphone units that can be adapted to the requirements of the conference setting.** Integration is the most demanding requirement of a high-quality and individual table-mounted system. Intelligent build-in options enable the equipment to be integrated and combined individually, elegantly and discreetly with furniture and any conference environment – in the boardroom, in the council chamber, or in parliament.



#### Cable routing

**Discreet or invisible.** The practical cabling options allow the cables to be laid from below or behind. Depending on the requirements, the intelligent concept provides strain relief for the cables and allows them to be fixed and to be hidden.



#### Removable gooseneck microphones

**Flexibility that pays.** The gooseneck microphones are available in four different lengths. Thanks to the robust XLR connector, the gooseneck microphones can be replaced quickly and easily on site. The locking mechanism prevents accidental detachment of the microphones during the conference. The Scudio technology reliably eliminates interference caused by mobile phones.



#### Standard Cat5 cables

**Global availability.** Orbis is wired up using standard Cat5 cables. Global availability is guaranteed while affordable prices are maintained with the international standard TIA/EIA-568A/B. In accordance with the standards, the Orbis system transmits audio and control data and supplies voltage via the same cable.



#### High-quality surface

The microphone units are coated with a paint that was specially developed for the automotive industry and is particularly hard-wearing, scratch-resistant and impervious to fingerprints. The high-gloss control panel is made of specially hardened and therefore scratch-resistant acrylic glass.



#### Accessibility

The buttons on our microphone units are made of silicone and are Braille-marked, have a tactile feedback and thus touch-readable. Either a headset or an induction loop for assisted listening can be connected via the headphone jack. This means accessibility and equality for all conference participants.



#### Theft protection

Fixtures on the underside of the microphone unit enable it to be screwed onto the table. This prevents the microphone unit from being stolen or used as a missile.



#### Headphone jack

The adjustable headphone jack on the microphone unit can be used for output in the original for assisted listening or for a foreign-language audio channel if interpreting is offered.



#### Value

The sturdy housing with a solid metal base ensures stability and optimum footfall sound isolation. This effectively reduces the transmission of vibrations from the table and prevents the microphone units from slipping off the table when the microphone is being adjusted.



#### Voice Activation

The microphone can be tuned on by either using the microphone button or automatically via voice activation when the participant starts to speak.





## Integrated Solutions

### Unobtrusive integration

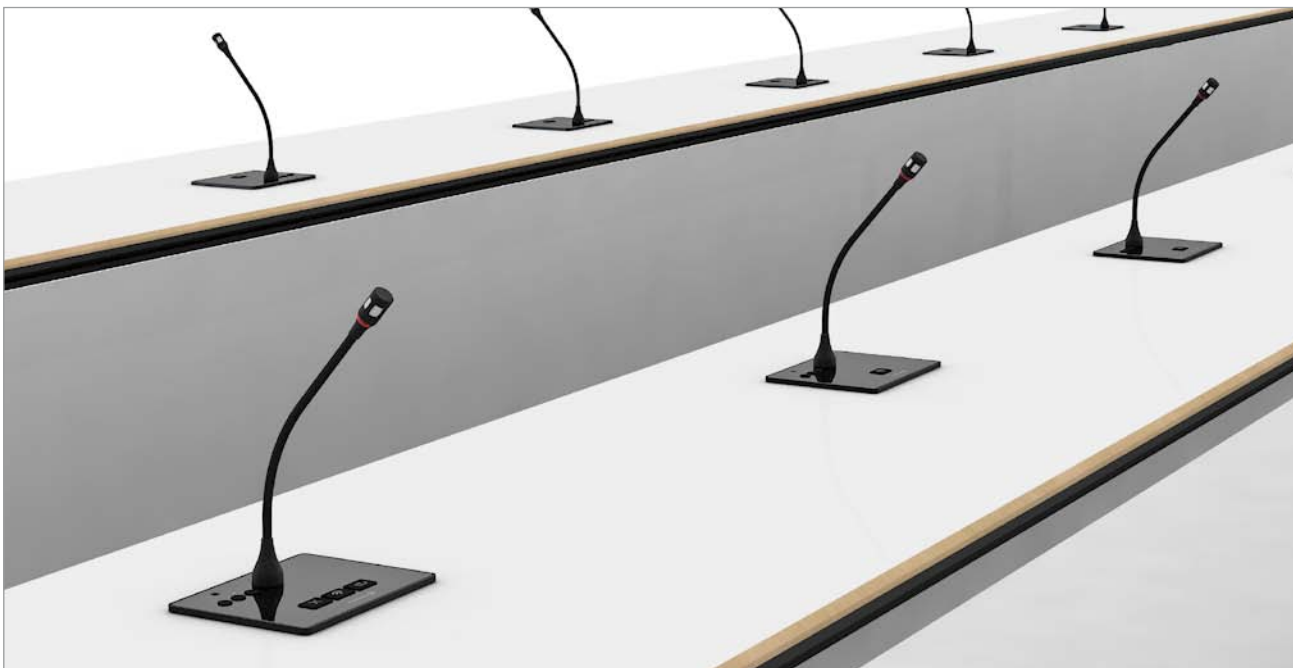
Technology should blend in with the singularity of the architecture.  
 Integrated solutions meet highest demands on design and functionality.



Table installation with a gooseneck microphone of the Classis microphone series, shockmount and button. The Orbis SU 63 system unit is mounted under the table.



Armrest installation with a gooseneck microphone of the Classis microphone series, shockmount and button. The Orbis SU 63 system unit is mounted upright into the armrest.



The Orbis MU 41 and Orbis MU 43 flush mount microphone units will be used with our Classis microphone series. An optional CA OL loudspeaker module is available.

## Customisation Unique Microphone Units

The plastic inlay panels in the microphone units can be adapted to requirements very simply and thus provide you with complete freedom with regard to design. Whether you prefer brushed aluminium or coloured panels, beyerdynamic will make it possible. We can also meet your requirements with regard to the colour of the housing. As the Orbis microphone units are coated, the colour can be customised. Please feel free to contact us.



## System overview



Orbis CU  
Digital control unit for  
up to 100 microphone units



CA OR  
19" rack mount kit, with  
fixation option for the power  
supply and cable strain relief



Orbis MU 23  
Chairman microphone  
unit, used with Classis  
microphones



Orbis MU 21  
Delegate microphone  
unit, used with Classis  
microphones



Classis microphone series  
Classis GM 313 Q Condenser gooseneck mic, length 300 mm  
Classis GM 314 Q Condenser gooseneck mic, length 400 mm  
Classis GM 315 Q Condenser gooseneck mic, length 500 mm  
Classis GM 316 Q Condenser gooseneck mic, length 600 mm



Orbis MU 43  
Flush mount chairman  
microphone unit, used with  
Classis microphones optional  
CA OL loudspeaker module



Orbis MU 41  
Flush mount delegate  
microphone unit, used with  
Classis microphones optional  
CA OL loudspeaker module



CA OL  
Loudspeaker module  
for Orbis MU 41/43 and  
Orbis SU 63



ZSH 20  
Flexible shockmount fixture for  
Classis microphones, black



Orbis SU 63  
System unit for mounting  
under the table, used with  
Classis microphones, Phoenix  
connectors for microphone,  
CA OP piezo buttons and  
CA OL loudspeaker module,  
RJ 45 connection for the  
conference network



CA OP 2  
Piezo-button for Orbis SU 63  
system units, black anodized  
aluminium, with bicoloured  
LED indicator dot



CA OP 2 C  
Piezo-button for Orbis SU 63  
system units, black anodized  
aluminium, with "Clear" symbol  
printing



CA OP 2 F  
Piezo-button for Orbis SU 63  
system units, black anodized  
aluminium, with "Func" symbol  
printing and single coloured  
LED indicator dot



Cat 5 connecting cable, RJ45 connectors  
CA OC 1 - length 1 m  
CA OC 2 - length 2.5 m  
CA OC 5 - length 5 m  
CA OC 10 - length 10 m  
CA OC 20 - length 20 m  
CA OC 50 - length 50 m

## REFERENCES WIRED CONFERENCE SYSTEMS

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### National

ARD Main Television Studio, Berlin  
Ariola, Munich  
Bavarian chamber for social benefits and pensions,  
Munich  
Ministry of Interior Affairs, Berlin  
Office of the president (Schloss Bellevue), Berlin  
CSU Political Office, Munich  
CDU Political Office, Berlin  
Dyckerhoff Zement, Mainz  
EZB European Central Bank, Frankfurt  
Geographical Institute, Bonn  
Chamber of Crafts, Bayreuth  
IG Metall (Union), Frankfurt  
Clinical Center of the University of Munich  
Cultural Building Sachsenheim  
Medical Association Hesse, Bad Nauheim  
District Office Eichach  
District Office Friedrichshafen  
Parliament Baden-Württemberg, Stuttgart  
MDR Television Studio, Dresden  
MDR Television Studio, Leipzig  
Trade Fair Center Essen  
City hall Gotha  
City hall Heilbronn  
City hall Cologne  
City hall Schorndorf  
SPD Municipal Council Munich  
Public Services Nuremberg  
University of Marburg  
Zeppelinstein Authority Center, Bad Homburg

### International

Australian Medical Association, NSW - Australia  
Kingston City Council, Vic - Australia  
China National Power General Corporation, Beijing - China  
Shenzhen Manager Building, South China - China  
Shanghai Fuxing Commercial Building, Shanghai - China  
City Hall Frederikshavn - Denmark  
County Court Kolding - Denmark  
Danish Emergency Management Agency, Bernstorff Castle - Denmark  
ALCATEL Lannian - France  
AXA Assurances, Paris - France  
Gaz de France, Paris - France  
Athens Exchange, Athens - Greece  
Bank of Scotland - Great Britain  
Warwick/Leicester University - Great Britain  
Western Education and Library Board HQ, Omagh - Ireland  
Ministry of Interiors, Beyt Hall, Tehran - Iran  
Ministry of Interiors, Minister Office, Tehran - Iran  
Lisburn County Council - Ireland  
City of Waterloo Council Chambers, Waterloo, Ontario - Canada  
Statistic Canada, Ottawa, Ontario - Canada  
Pickering City Council Chambers, Pickering, Ontario - Canada  
Macedonian Parliament - Macedonia  
Auckland City Council - New Zealand  
Waimakiriri District Council - New Zealand  
Municipal Waterworks, Gorinchem - Netherlands  
Town hall Rotterdam - Netherlands  
Nexim Bank Head Office, Abuja - Nigeria  
The Adamawa State House of Assembly, Yola - Nigeria  
Church boardroom, Zurich - Switzerland  
University, Bern - Switzerland  
Sala de Presentaciones de Torre Picasso, Madrid - Spain  
University Carlos III, Madrid - Spain  
University of Alicante - Spain  
Anaheim City Council, California - USA  
Board of Education, New York - USA  
Orlando City Council, Florida - USA  
The University of Foreign Languages, Hanoi - Vietnam  
National Library - Belarus



**Made in Germany**

Conference systems from beyerdynamic stand for optimal audio quality and highest quality standards "Made in Germany".



**Sustainability**

beyerdynamic products are of course produced as environmentally friendly as possible.

Further references and project reports at  
[www.beyerdynamic.com/references](http://www.beyerdynamic.com/references)



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