

# ORBIS

DIGITAL CONFERENCE  
SYSTEM



beyerdynamic



Flexibility for **1** conferences and **2, 6** podiums thanks to **1, 2, 6** desktop microphones and **3, 4, 5** installation solutions with various microphones.

# ORBIS

RELIABLE, INTUITIVE,  
FUNCTIONAL



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 digital 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. Conference systems by beyer-dynamic stand for the best audio quality and highest quality standards – “Made in Germany”.

Modern design, ease-of-use, operational reliability and high-quality materials are now what make this new conference system stand out. Components of the new Orbis wired conference system have received the world-renowned “Red Dot Award”.



# FEATURES



### Reliable operation

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.



### User friendliness

The innovative one-button navigation on the control unit makes operation of the system intuitive and commissioning 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

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.



### Revoluto microphones

The patented Revoluto principle is based upon microphone array technology, whereby several microphone capsules are arranged in series. This series arrangement produces a much larger voice reception zone compared with gooseneck microphones. It gives the speaker maximum freedom of movement with the same speech intelligibility.



### Replaceable microphones

Depending upon requirements, Revoluto microphones or gooseneck microphones in different lengths can be used. Thanks to the robust XLR connector, microphones can be changed quickly and easily on site. The locking mechanism prevents accidental detachment of the microphones during the conference. Scudio technology reliably eliminates interference caused by mobile phones.



### 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.



### 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.



### 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.



### 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.



### Standard Cat5 cables

Orbis is connected using standard Cat5 cables. Global availability is guaranteed through the international standard TIA/EIA-568A/B at affordable prices. In accordance with the guidelines and standards, the Orbis system transmits audio and control data and supplies voltage via the same cable. The cable of the desktop microphone unit can be either led to the rear or out of sight underneath.



### Foreign language

Orbis microphone units can output two languages via the headphone connector (original sound and a foreign language). The channel and volume is set on the microphone units.



### 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.

ORBIS CU



Digital control unit  
for up to 100  
microphone units

CA OR



19" rack  
mount kit

ORBIS SU 63



System unit for mounting  
under the table, used with  
Classis microphones, Phoe-  
nix connectors for micro-  
phone, 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

CAT5 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  
CA OC 100 - length 100 m  
CA OC - RJ45 connector for  
Orbis system cable

DT 1



Single ear  
headphone

DT 2



Headphone

IL 200



Induction  
neckloop

CLASSIS MICROPHONE SERIES



Classis GM 313 Q: Gooseneck microphone, length 300 mm  
Classis GM 314 Q: Gooseneck microphone, length 400 mm  
Classis GM 315 Q: Gooseneck microphone, length 500 mm  
Classis GM 316 Q: Gooseneck microphone, length 600 mm



Classis GM 115 Q: Gooseneck microphone, length 500 mm  
Classis RM 31 Q: Vertical array microphone, length 219 mm  
Classis GM 315 E: Gooseneck microphone, length 500 mm  
Classis BM 32 E: Boundary microphone

ORBIS MU 23



Chairman  
microphone unit

ORBIS MU 21



Delegate  
microphone unit

CA OT



Transport case

ZSH 20



Flexible shockmount  
fixture

ORBIS MU 43



Flush mount  
chairman  
microphone unit

ORBIS MU 41



Flush mount  
delegate  
microphone unit

CA OL



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

GMS 52 & GMS 52 W



Flexible shockmount  
fixture with  
swivelling lid

**your beyerdynamic**

**[www.beyerdynamic.com/orbis](http://www.beyerdynamic.com/orbis)**

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