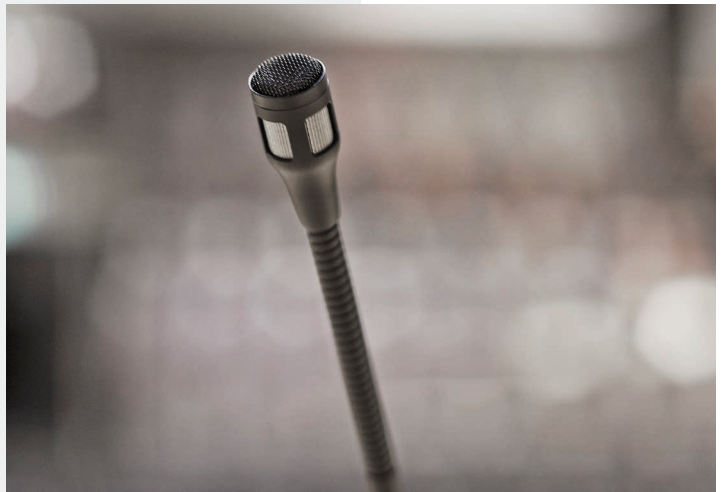


INSTALLED SOUND MICROPHONES



beyerdynamic



GOOD SOUND RIGHT FROM THE START

The purpose of a microphone is to convert the sound of the spoken word into an electrical signal. Sound and volume have to be synchronised perfectly, because a bad signal at the beginning of a sound system chain cannot be converted into a good signal anymore.

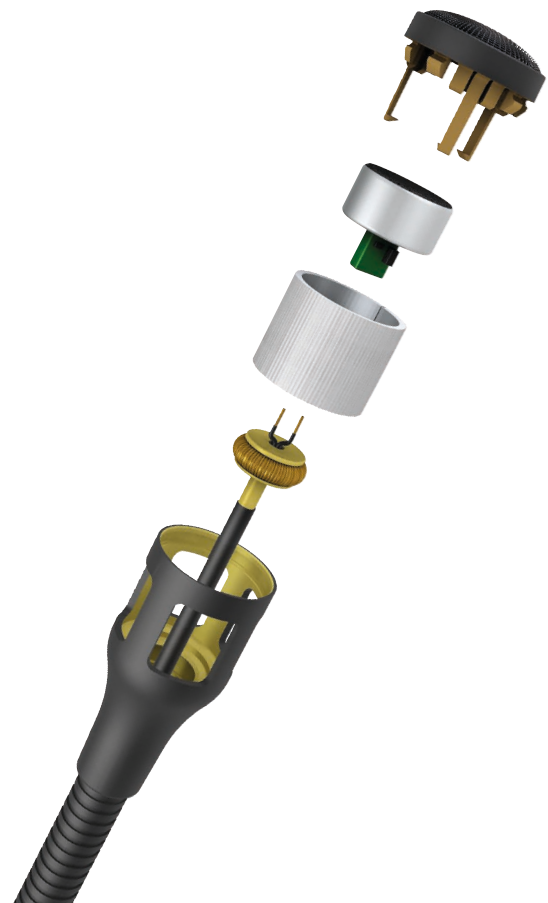
The beyerdynamic installed sound ensure the uncompromising transmission of the spoken word and maximum intelligibility of speech. The versatile product range provides solutions for different applications such as lecterns, panel discussions, meetings, conferences, tele/video conferences and ceiling installations.



**The Scudio technology makes
microphones immune to interferences
from mobile phones**

The Scudio technology includes many electronical and mechanical measurements to eliminate unwanted interferences from mobile phones.

The patented shielding of the capsule is an important detail of all microphones. The interaction of all Scudio features ensures the optimal sound quality and intelligibility of speech of the beyerdynamic installed sound microphones.

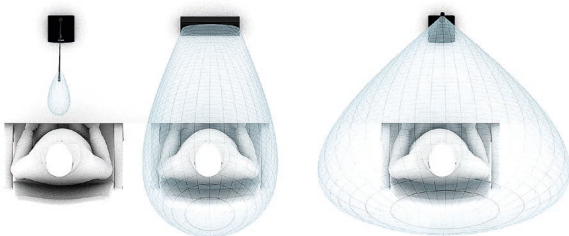


MICROPHONES WITH REVOLUTO TECHNOLOGY

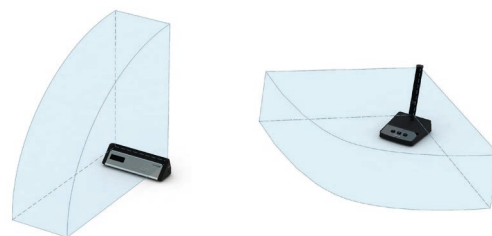
The Revoluto principle is based on patented microphone array technology, where microphone capsules are arranged in either a horizontal or vertical row. Compared to gooseneck microphones this creates a much greater distance for voice pick up. As a result, the speaker is not restricted to the typical pick up pattern or usual compact speaking distance offered

by most gooseneck microphones and therefore does not need to concentrate on talking directly into the microphone. The speaker has maximum freedom of movement with a consistent intelligibility of speech.

More information and video clips:
www.beyerdynamic.com/revoluto



Recording area of a gooseneck microphone compared to a horizontal and vertical array microphone.



The horizontal and vertical arrangements of the microphone arrays differentiate in design as well as in the alignment of the corridor characteristic, which is displayed above.

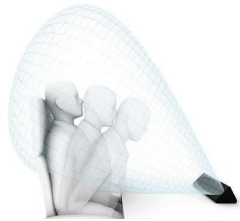
Horizontal MPR 210 / 211 Array Microphone

The desktop microphones with horizontal microphone array have a vertical corridor characteristic. They are used for panel discussions, conferences, meetings, tele/video conferences and for ceiling mounting.

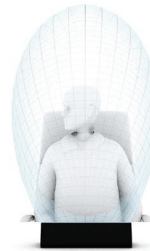




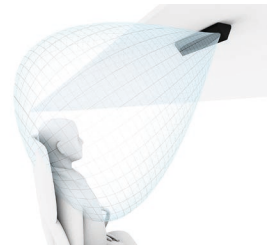
Enhanced freedom of movement: Whether the speaker is sitting or standing, the volume and audio quality always remain the same.



Whether close to the microphone or leaning backwards – sound deviations due to different distances are minimised.



No fading in and out when you move your head to the left or right.



Optimal voice recording with a discreet mounting to the ceiling, ambient noise is minimised.

Vertical Classis RM 30 / 31 Array Microphone

The desktop microphones with vertical microphone array have a horizontal corridor characteristic. They are used for speaker's desks, conferences, meetings, tele/video conferences and for ceiling mounting.



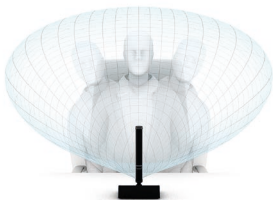
RM 30 B



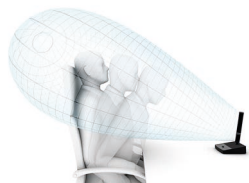
RM 30 W



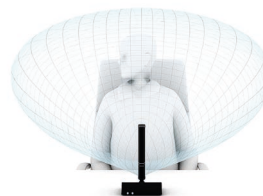
RM 31 RC



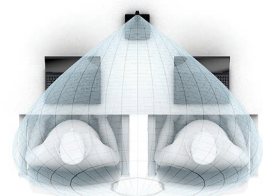
Maximum freedom of movement to the right and left without large volume fluctuations, limited the recording of signals and noises from the ceiling and table.



Whether close to the microphone or leaning backwards – sound deviations due to different distances are minimised.



No fading in and out when you move your head to the left or right.



Two or more people can share one microphone.

GOOSENECK MICROPHONES

Classis GM 300 Gooseneck Microphones

The gooseneck microphones of the Classis GM 3xx-series with an extremely small microphone head meet the requirements of design. The thin gooseneck of 6 mm with a mat black, non-glare surface can be discretely integrated into any installation. The cardioid polar pattern of the microphones ensures

maximum volume due to a high gain before feedback with excellent intelligibility of speech. The versatile series allows many kinds of application: the use with speaker's desks or altars, the use in conference systems, in studio and sound systems for mixing consoles and the use as stationary microphone in paging systems.



GM 306



GM 305



GM 303



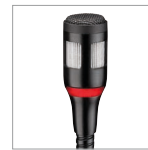
GM 315



GM 315 RC



GM 313 SP



LED ring GM 31x



Programmable buttons of the SP and RC versions

SP version

By using the programmable button of the SP version you can select the operating mode ON/OFF, Push-To-Talk or Push-To-Mute. The microphone button can also be completely disabled. Furthermore, there are two settings of the frequency response possible: linear or with bass roll-off to suppress low-frequency noise. The LED ring to display the microphone status can be deactivated.

RC version

In addition to the features of the SP version, the RC version allows the operation by an external control. In addition to this an external device can be controlled via the control output when operating the microphone button.



TG-Version with smart accessories for different applications

The TG-version features extensive mounting accessories. Depending on the application the microphone can be mounted on a stand, table-top or speaker's desk.

You can use the wireless GM 305 TG gooseneck microphone when flexibility is required – for example for speaker's desks. The connecting cable can be connected to the beltpack transmitters of the Unite and TG wireless series. The microphone is then powered by the beltpack transmitter.



Classis GM 100 Gooseneck Microphones entry series

The gooseneck microphones of the Classis GM 1xx series feature a cardioid polar pattern with a high gain before feedback. The microphones with a matt black, non-glare surface and 6 mm thin gooseneck discretely blend into each environment. They can be used for example on lecterns.



Shock-mounted installation holder

The shock-mounted installation holder for the Classis GM and RM microphones is available as 3-pin (GMS 32) and 5-pin variant (GMS 52) in black (B) or white (W). The removable lid covers the holder when the microphone is not in use. On request it can be produced in individual colours to match the surface of the table visually.

BOUNDARY MICROPHONES



BM 42 / 43 B

Classis BM 42 / 43 Boundary Microphones

The Classis BM 42 / 43 series consists of small, discreet condenser boundary microphones. The balanced frequency response and the discreet design provide a variety of applications: The microphones can be used for discussions, tele-/video conferences or live and theatre applications.



BM 52 / 52 RC

Classis BM 52 Boundary Microphone

The Classis BM 52 boundary microphone combines a number of different functions in a small, discreet housing. Depending on the application there are three operating modes you can select: ON-OFF, Push-To-Talk and Push-To-Mute. Furthermore, the frequency response can be set in three stages: linear or a two-stage roll-off filter to compensate low-frequency noise.

The Classis BM 52 is operated via a silent membrane key with Braille and a super bright LED displays the ready-to-speak status. It is ideal for discussions or tele/video conferencing.

The Classis BM 52 RC provides the additional feature of an external operator use or the microphone itself can send a control command. Both models are fitted with a mini XLR connection.



BM 53 USB

Classis BM 53 USB Boundary Microphone

The Classis BM 53 USB microphone is the plug & play solution for recording or transmitting sound using a laptop or PC. When using an adapter, it is also a practical solution for mobile applications with smart devices (depending on the system requirements). It improves the audio quality when recording meetings, reports and podcasts.

This USB boundary microphone is also perfect for teleconferences, video conferences, Skype conferences (Windows or OS X) and teaching purposes. When speaking, people appreciate the quality of communication improved by this microphone.



Quinta TB Wireless Boundary Microphones

Due to its high degree of flexibility and reliability the wireless Quinta TB boundary microphone is suitable for small meeting rooms or video conferencing. The proven triple band technology of the Quinta family ensures the wireless transmission. The privacy is guaranteed by a 128-bit encryption and a 24-bit PIN code. The multi-channel receiver features a long operating time of 14h at minimum and a short charging time. Different

operating modes can be selected via the software. In the Microphone mode, Quinta RS acts as a multi-channel receiver in which a maximum of four Quinta TB can be operated simultaneously. In this mode several control units can be connected via the software. In the Conference mode, the Quinta TB acts as a delegate unit and can therefore be used for any conventional conferencing application.



BM 32 / 34 B



BM 32 / 34 W



BM 33 B



BM 33 W



BM 32 / 34 table installation with BMR

Installation Boundary Microphones

The discrete, almost invisible microphones for installations into tables or ceilings integrate into different materials and surfaces in the colours black (B) and white (W). Elastic rings achieve an efficient attenuation

of unwanted mechanical vibration. They are connected via a 3-pin male XLR connector. The microphones are used in tele /video conferences, discussion rounds, for room monitoring or level measurement.



BMR LED Ring

The BMR LED ring is an accessory for all Classis boundary microphones. It is used to indicate the status in tele or video conferences and illuminates in different colours. The BMR LED ring is controlled via a media control system, the logic output of a DSP mixer or a video conference system.

OVERHEAD MICROPHONES

Classis OM Overhead Microphones

The miniature microphones for permanent or hanging installations to ceilings allow almost invisible solutions. The short, flexible gooseneck allows an optimal positioning to the speaker and precise recording.

The Classis OM microphones are used for ceiling installations in conference rooms, in tele/video conferences, in training rooms with distance learning or as ambiance microphones.



Classis BM 33
Boundary microphone

Classis BM Overhead Microphones

Another option to clear the table from technology and to pick up several people with a microphone are the beyerdynamic boundary microphones for installations. They are used, for example, for video conferencing.

Ceiling Microphones with Revoluto Technology

The patented Revoluto principle is based upon microphone array technology, whereby several microphone capsules are arranged in series. This series of microphone capsules enables recording from a wide range of distances at almost the same volume. Installing the capsules discreetly on the ceiling enables optimum

speech recording and minimises background noise. An entire room can be recorded using only a few array microphones. The system is mainly used for teleconferences, video conferences and in lecture theatres for distance learning.



Classis RM 30 W Revoluto array microphone
with GMS 32 W installation holder



MPR 210 W Revoluto array microphone



MPR 210 W ceiling microphone



Video conferencing

APPLICATIONS



1 Presentations 2 Panel
3 Houses of Worship 4 Meetings



5 Tele- and Video Conferences 6 Video Conferences with Ceiling Microphones
7 Court Room 8 Distance Learning with Ceiling Microphones

OVERVIEW

FEATURES & APPLICATIONS

	Model	Order	Polar pattern	Connection	Switch	Illuminated ring	Colour	More
Gooseneck Microphones	Classis GM 105	729744	cardiod	3-pin XLR			black	length 500 mm
	Classis GM 115	729752	cardiod	5-pin XLR		yes	black	length 500 mm
	Classis GM 303	722383	cardiod	3-pin XLR			black	length 300 mm
	Classis GM 305	722405	cardiod	3-pin XLR			black	length 500 mm
	Classis GM 305 TG	727571	cardiod	5/8 or 3/8" internal thread			black	length 500 mm, incl. base plate
	Classis GM 306	724246	cardiod	3-pin XLR			black	length 600 mm
	Classis GM 313 SP	729787	cardiod	3-pin XLR	yes	yes	black	length 300 mm
	Classis GM 315	722456	cardiod	5-pin XLR		yes	black	length 500 mm
	Classis GM 315 RC	729809	cardiod	5-pin XLR	yes	yes	black	remotely controllable
Installation Boundary Microphones	Classis BM 32 B	489395	semi-cardiod	3-pin XLR		BMR optional	black	
	Classis BM 32 W	489409	semi-cardiod	3-pin XLR		BMR optional	white	
	Classis BM 33 B	489425	semi-spherical	3-pin XLR		BMR optional	black	
	Classis BM 33 W	489433	semi-spherical	3-pin XLR		BMR optional	white	
	Classis BM 34 B	489360	semi-cardiod	3-pin XLR		BMR optional	black	bass roll-off
Desktop Boundary Microphones	Classis BM 42 B	723789	semi-cardiod	bare ends			black	
	Classis BM 43 B	723800	semi-spherical	bare ends			black	
	Classis BM 52	729442	semi-cardiod	mini XLR + cable 3-pin XLR	yes		black	
	Classis BM 52 RC	729450	semi-cardiod	mini XLR + cable 5-pin XLR	yes		black	remotely controllable
	Classis BM 53 USB	729469	semi-spherical	USB, Type B	yes		black	
	Quinta TB	729604	semi-cardiod	wireless	yes		black	Quinta CU control unit needed
Overhead Microphones	Classis OM 302	489263	supercardiod	installation socket			white	US version: Order # 489255
	Classis OM 304	489298	supercardiod	installation socket, 8 m cable			white	US version: Order # 489271
Revolutio Array Microphones	Classis RM 30*	729388	corridor vertical	3-pin XLR			black	
	Classis RM 30 W*	729701	corridor vertical	3-pin XLR			white	
	Classis RM 31 RC*	729825	corridor vertical	5-pin XLR	yes	yes	black	remotely controllable
	MPR 210 B*	725145	corridor horizontal	3-pin XLR			black	
	MPR 210 W*	725080	corridor horizontal	3-pin XLR			white	
	MPR 210 W ceiling*	710520	corridor horizontal	3-pin XLR			white	incl. wire rope holder kit
	MPR 211 B*	725099	corridor horizontal	bare ends	yes	yes	black	controlled by a microcontroller

Accessories	Order	Description
GMS 32 black	729582	shock mounted installation holder for Classis RM 30 / 31 SP microphones with 3-pin XLR male connector
GMS 32 white	729760	shock mounted installation holder for Classis RM 30 / 31 SP microphones with 3-pin XLR male connector
GMS 52 black	729434	shock mounted installation holder for Classis RM 31 RC microphones with 5-pin XLR male connector
GMS 52 white	729779	shock mounted installation holder for Classis RM 31 RC microphones with 5-pin XLR male connector
ZSH 20	454559	Elastic holder for gooseneck microphones with male XLR connector, flush-mount, with counter nut
BMR	725218	RGB indication ring for Classis BM / MPC series installation boundary microphones, including mounting kit
Quinta CB	729817	Charger for wireless Quinta TB boundary microphone, integrated magnets to connect several chargers mechanically
ZSA 305	723037	Mounting adapter for GM 305 T, suitable for ZSH 20 holder

* Please refer to the data sheet for details on phantom powering.

		Lectern	Altar / Pulpit / Ambo	Panel discussion / Press conference	Application on stands	Small meetings (recording) (1 microphone for several participants)	Large meeting (with audio DSP)	Applications on the armrests of a chair	Video conferencing / sound system in the room (1 microphone per participant)	Video conferencing / no sound system in the room (1 microphone for several participants)	Video conferencing ceiling installation, no system in the room (1 microphone for several participants)	Ceiling microphone	Distance learning	Paging	Room surveillance	Small theatre stages	Voice recording	Ambiance microphone for picking up the atmosphere	Web conference / PC applications	Direct connection to a beltpack transmitter
Classis GM 105	729744	x	x	x	XLR		x	x	x											
Classis GM 115	729752			x	XLR		x	x	x											
Classis GM 303	722383	x	x		XLR															
Classis GM 305	722405	x	x		XLR			x												
Classis GM 305 TG	727571	x	x		3/8"															x
Classis GM 306	724246	x	x		XLR			x												
Classis GM 313 SP	729787	x	x	x	XLR		x		x					x						
Classis GM 315	722456				XLR			x												
Classis GM 315 RC	729809						x							x						
Classis BM 32 B	489395																x	x		
Classis BM 32 W	489409																x	x		
Classis BM 33 B	489425					x				x	x	x			x		x	x		
Classis BM 33 W	489433					x				x	x	x			x		x	x		
Classis BM 34 B	489360						x													
Classis BM 42 B	723789					x										x	x			
Classis BM 43 B	723800					x				x										
Classis BM 52	729442																x			
Classis BM 52 RC	729450								x								x			
Classis BM 53 USB	729469					x											x		x	
Quinta TB	729604					x				x										
Classis OM 302	489263										x	x	x		x			x		
Classis OM 304	489298										x	x	x		x	x		x		
Classis RM 30*	729388	x			XLR	x	x		x	x	x	x								
Classis RM 30 W*	729701	x			XLR	x	x		x	x	x	x								
Classis RM 31 RC*	729825						x		x											
MPR 210 B*	725145			x	3/8"		x		x		x	x	x							
MPR 210 W*	725080			x	3/8"		x		x		x	x	x							
MPR 210 W ceiling*	710520										x	x	x							
MPR 211 B*	725099			x	3/8"		x		x											

This overview is a recommendation and should serve as a decisive measure. The microphones, however, can be used as desired.

your beyerdynamic

www.beyerdynamic.com

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Installed Sound Microphones (10.19) • 722723 • Subject to change without notice • Printed in Germany

