

GMB 33 S

GMB 35 S

—— **MIKROFONTISCHFUSS**
MICROPHONE BASE
话筒底座

Bedienungsanleitung

——
Operating Instructions

——
使用说明书

Thank you for selecting the GMB 33 S / GMB 35 S microphone base from beyerdynamic. Please take some time to read carefully through this manual before using the product.

Safety Instructions

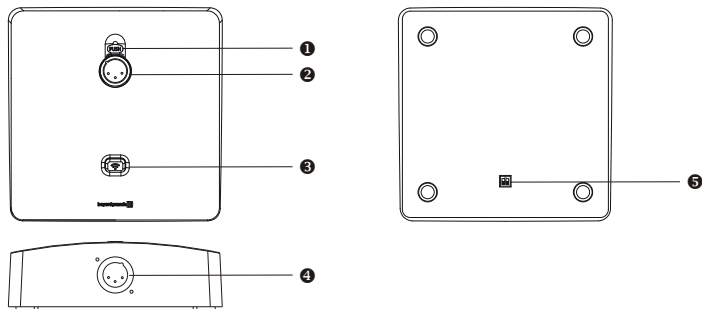
- Always position the microphone base on a secure surface. If it falls, you can hurt yourself or others or damage the microphone base.
- When the microphone base is equipped with a gooseneck microphone, take care that you do not injure yourself on this e.g. poke it into your eye.

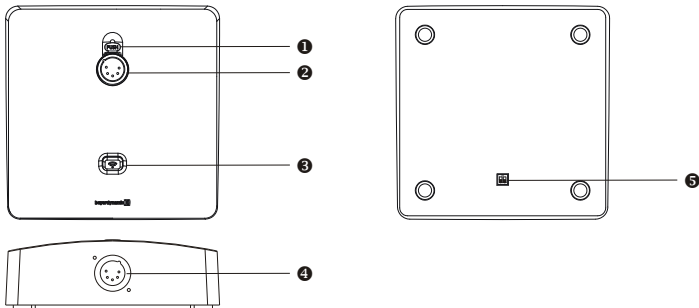
Applications

When combined with a gooseneck microphone, the GMB 33 S / GMB 35 S microphone base can be used for discussions, podium, tele/video conferencing and announcements. Please note that the GMB 33 S / GMB 35 S microphone base can only be operated with microphones with an integrated pre-amp, e.g. the GM Classis series.

Controls and Indicators

GMB 33 S



GMB 35 S

- ❶ Release for gooseneck microphone
- ❷ GMB 33 S: 3-pin XLR, female, to connect gooseneck microphones with different lengths
Pin assignment:
Pin 1 = Ground, Pin 2 = Audio +, Pin 3 = Audio -
GMB 35 S: 5-pin XLR, female, to connect gooseneck microphones with LED ring with different lengths
Pin assignment:
Pin 1 = Ground, Pin 2 = Audio +, Pin 3 = Audio -, Pin 4 = LED -, Pin 5 = LED +
- ❸ Microphone button will illuminate green when the microphone is turned on
- ❹ GMB 33 S: 3-pin XLR, male, to connect to a mixing console, amplifier or digital signal processor (DSP) with phantom powering (24-48 V)
Pin assignment:
Pin 1 = Ground, Pin 2 = Audio +, Pin 3 = Audio -
GMB 35 S: 5-pin XLR, male, to connect to a mixing console, amplifier or digital signal processor (DSP) with phantom powering (48 V)
Pin assignment:
Pin 1 = Ground, Pin 2 = Audio +, Pin 3 = Audio -, Pin 4 = Log in, Pin 5 = Log out
- ❺ Configuration switches

Operation

- Connect a gooseneck microphone with integrated pre-amp or LED ring and integrated pre-amp (e.g. GM Classis series) to the 3-pin or 5-pin XLR female connector ④.

Caution!



- When mounting or removing the gooseneck microphone hold it at the bottom end only. Never hold it at the gooseneck or microphone head! You could damage the gooseneck microphone and by doing so you will invalidate the guarantee.
 - To align the gooseneck microphone and to avoid overstretching as well as premature wear and tear, please note that the gooseneck must not be bent further than an angle of 90° maximum..
- Connect the 3-pin XLR male connector ④ to a mixing console or amplifier with phantom powering (24 - 48 V) or the 5-pin XLR male connector ④ to a mixing console or digital signal processor (DSP) with phantom powering (48 V).

Operating Modes

GMB 33 S

The position of the configuration switches ⑤ at the bottom allows various operating modes.

Normal



In this position of the configuration switches ⑤ the microphone can manually be turned on or off. The LED of the microphone button ③ will illuminate green to indicate the operation.

Bypass



In this position of the configuration switches ⑤ the microphone is permanently activated. The microphone button ③ does not work. The LED of the microphone button ③ illuminates permanently.

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When using a digital signal processor (DSP) or external media control system, the position of the configuration switches ⑤ at the bottom allows different operating modes.

Log in ④ (Pin 4): Depending on the configuration an external command will control the microprocessor in the GMB 35 S microphone base. The microprocessor then control the operating status of the microphone, the LED of the microphone button ③ and the LED ring of a gooseneck microphone.

Log out ④ (Pin 5): Depending on the configuration the output signal controls a media control system or the logic input of a digital signal processor (DSP). Due to this logic command the microphone base will control various application and operating modes.

Normal



In this position of the configuration switches ⑤ the microphone can manually be turned on or off. The LED of the microphone button ③ will illuminate green to indicate the operation.

External



In this position of the configuration switches ⑤ the microphone is always activated. The LED ring and the LED of the microphone button ③ can externally be controlled via Log in ④ (Pin 4). In this operating mode the microphone button ③ has no function.

Application example 1: Voice control

In the voice control mode the external digital signal processor (DSP) will control the LED ring and the LED of the microphone button ③ when someone speaks into the microphone.

Application example 2: Remote control

The external digital signal processor will release the microphone input by its own software or media control system and controls the LED ring and the LED of the microphone button ③ accordingly.

Request-to-Speak



In this position of the configuration switches ⑤ a control command is sent via log out ④ (Pin 5), when the microphone button ③ is pressed and the LED of the microphone button ③ will slightly illuminate green. This control command can be registered by the digital signal processor (DSP) or media control system e.g. as request-to-speak. A control command from e.g. the digital signal processor (DSP) or media control system to the log in ④ (Pin 4) will activate the microphone and the LED in the microphone button ③ will illuminate fully green and the LED ring of the gooseneck microphone will illuminated red.

To turn off the microphone press the microphone button ③. The LED ring of the gooseneck microphone and the LED of the microphone button ③ will go out. A control command e.g. from the digital signal processor or media control system can deactivate the microphone via log in ④ (Pin 4).

If the microphone or microphone base is operated with a digital signal processor or media control system in the request-to-speak mode (as described above), the request-to-speak can be deactivated by pressing the microphone button ③ once again. In this case a control command is sent via log out ④ (Pin 5). The LED of the microphone button ③ will go out.

Bypass



In this position of the configuration switches ⑤ the microphone is permanently activated. The microphone button ③ does not work. The LED ring of the gooseneck microphone and the LED of the microphone button ③ illuminate permanently.

Overview Logic Status

	Normal		
Mic status	Off	On	
Log in	N/A	N/A	
Log out	Open	Open	
	External		
Mic status	Off	On	
Log in	5 V	0 V	
Log out	Open	Open	
	Request-to-Speak		
Mic status	Off	Request	On
Log in	5 V	5 V	0 V
Log out	Open	Close	Close
	Bypass		
Mic status	Off	On	
Log in	N/A	N/A	
Log out	Open	Open	

Versions

GMB 33 S Microphone base for gooseneck microphones, 3-pin XLR . . . Order # 725.242

GMB 35 S Microphone base for gooseneck microphones, 5-pin XLR . . . Order # 725.188

Technical Specifications

Supply voltage

GMB 33 S Phantom powering 24 - 48 V via mixing console / DSP

GMB 35 S Phantom powering 48 V via mixing console / DSP

Audio input GMB 33 S: 3-pin XLR, female
GMB 35 S: 5-pin XLR, female

Audio output GMB 33 S: 3-pin. XLR, male
GMB 35 S: 5-pin. XLR, male

GMB 35 S: LED supply 5-pin. XLR, female (max. 4 mA / 4.6 V)

Power consumption microphone

base and LED ring 8 - 10 mA

GMB 35 S:

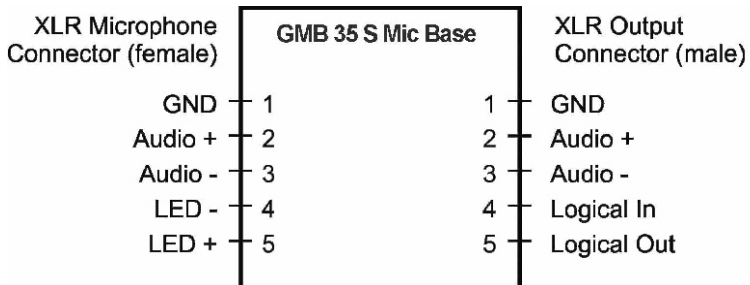
Logic control input 0.03 mA an TTL 5 V Via 5-pin XLR, male

Logic control Output Open Collector (max. 100 mA / 50 V)

Dimensions 135 x 135 x 44 mm

Weight 1200 g

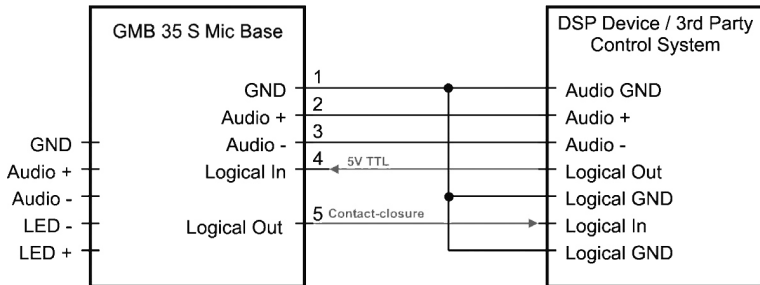
Steckerbelegung / Pin Assignment / 针脚定义



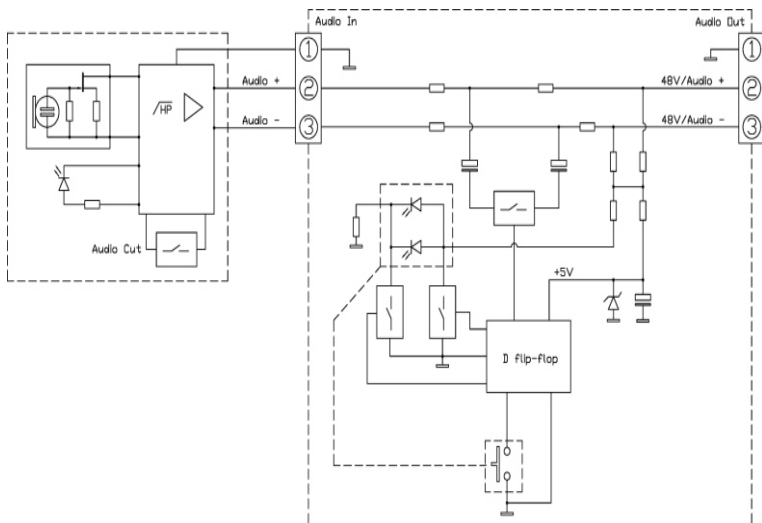
Anwendungsbeispiel mit externer Steuerung

Application Example with External Control

外部控制应用举例

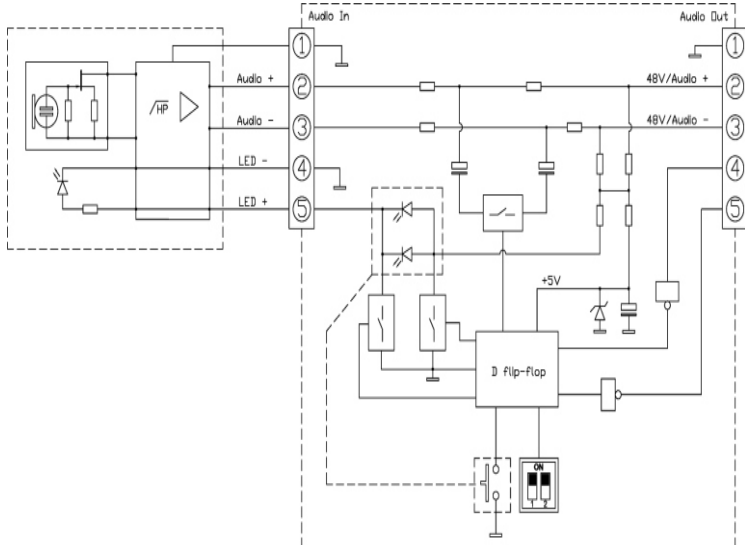


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Blockschaltbild / Wiring Diagram / 原理框图

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