

TAKSTAR® 得胜

BM-650

界面麦克风

BOUNDARY MICROPHONE



[www.takstar.com](http://www.takstar.com)

# BM-650 界面麦克风

## ■ 前言

尊敬的用户：

感谢您选购得胜BM-650界面麦克风，为了您能够更好的了解及使用本产品，建议您在使用前仔细阅读本说明书。

若存在有疑问或者您有宝贵的建议，可通过拨打得胜官方服务热线400 6828 333或微信扫描二维码关注得胜官方公众号与我们联系。



## ■ 产品特性

- 1、专为教学录播、导播、演播室、视频会议、监控等场合而设计的界面麦克风；
- 2、内置全指向咪头，拾音距离远，范围广，声音更清晰；
- 3、背面设计有挂孔，可将麦克风放置于桌面或挂在墙壁上，方便工程安装；
- 4、采用射频干扰（RFI）屏蔽技术，有效隔离手机信号的干扰；
- 5、具有150Hz低频衰减开关，有效降低环境噪音的拾取；
- 6、底部设计防滑胶垫，防止麦克风滑动，同时也降低了桌面震动带来的影响；
- 7、电容式触摸静音开关，消除传统开关的机械噪声；
- 8、采用专业的XLR音频接口，方便与视频会议系统、调音台等音频设备连接。

## ■ 标准配置

BM-650麦克风 .....	1只
Mini XLR音频线(Φ4mm*7.6M).....	1条
说明书 .....	1份

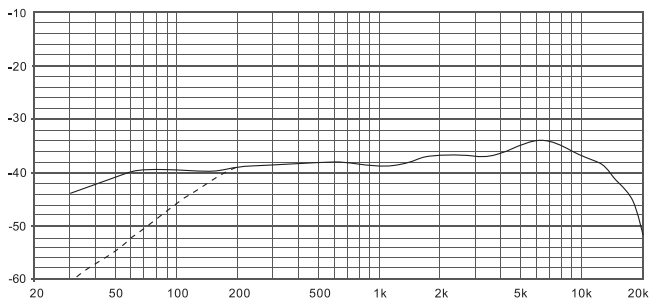
# BM-650 界面麦克风

## ■ 适用范围

教学录播、导播、演播室、视频会议、监控等

## ■ 技术参数

频率响应曲线图



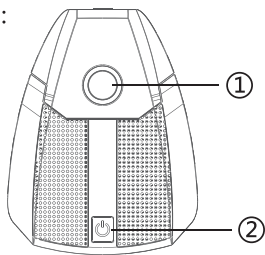
- 音头：Φ12mm电容音头
- 指向性：全指向
- 频率响应：50Hz-15KHz
- 灵敏度：-36dB±3dB  
(0dB=1V/Pa at 1KHz)
- 失真度：≤1% at 1KHz
- 信噪比：≥62dB
- 低频衰减：150Hz 12dB/Oct
- 供电模式：9-52V幻象电源
- 尺寸：136×106×40mm (长\*宽\*高)
- 输出阻抗：350Ω±30%(at 1KHz)
- 净重：600g

注：以上数据由得胜实验室测试得到，并拥有最终解释权！

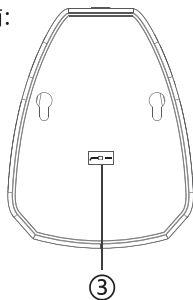
## ■ 功能示意

- ① 静音指示灯：指示灯长亮绿灯为拾音状态；指示灯熄灭为静音状态；
- ② 静音开关：通过触摸开关实现拾音及静音状态之间循环切换。初始为拾音状态，指示灯长亮绿灯；触摸静音开关，指示灯熄灭，为静音状态；再次触摸静音开关，指示灯长亮绿灯，恢复拾音状态；
- ③ 拨到“一”位置时，能够拾取真实的声源，一般在环境比较安静的情况下使用；拨到“—”位置时，可滤除150Hz以下的低频环境噪声（如交通、空调系统、桌面震动声等），使声音更加清晰；
- ④ Mini XLR接口：通过Mini XLR音频线与视频会议系统、调音台等音频设备连接。

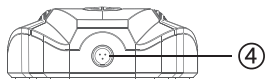
正面：



背面：



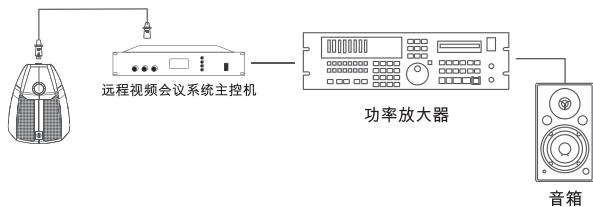
侧面：



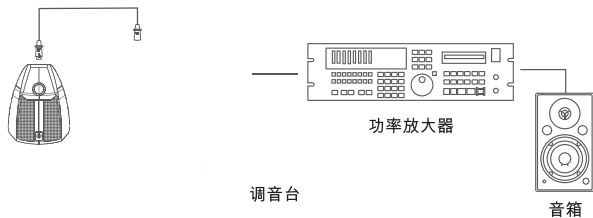
## ■ 使用方法

用配置的Mini XLR音频线将麦克风连接到录播系统、远程会议系统、功放、调音台等音频设备上，如下图所示：

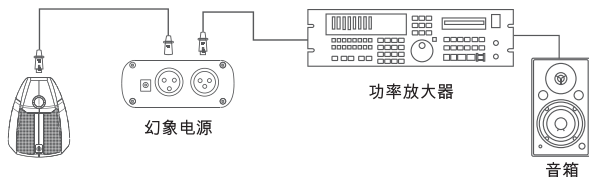
A.使用带12V幻象供电的录播系统或远程会议系统与麦克风的连接示意图：



B.使用带48V幻象供电的调音台与麦克风的连接示意图：



### C.使用48V幻象供电器与麦克风的连接示意图:



提示：使用时，应先将音频设备的音量调小，再打开幻象电源开关，并将音量从小到大慢慢调节至合适，以免声压过大对扬声器产生冲击；尽可能的拉开麦克风与扬声器的距离，避免麦克风和扬声器相对，从而有效控制回馈啸叫。

## ■ 故障处理

### 一、麦克风没有声音

1. 检查麦克风所连接的音频设备是否有提供9-52V幻象电源的功能，没有幻象供电麦克风不能工作；
2. 检查所连的音频设备麦克风音量是否调得过小，调节之后看是否能恢复正常；
3. 检查所连的音频设备总输出音量是否调得过小，调节之后看是否能恢复正常。

### 二、连接音箱时产生啸叫

1. 如果使用的音频设备本身有回音消除功能，请设置为开启状态；
2. 将麦克风的拾音部分背对音箱，同时保持适当的距离；
3. 减小麦克风音量或音箱输出音量。

### ■ 注意事项

为避免电击、高温、着火、辐射、爆炸、机械危险以及使用不当等可能造成的人身伤害或财产损失、使用本产品前，请仔细阅读并遵守以下事项：

1. 使用产品时请合理调整音量大小，不要在大音量下长时间使用，以免造成听力损伤；
2. 使用中若发现有异常（如冒烟、异味等），请立即关闭电源开关并拔掉电源插头，然后将产品送经销商检修；
3. 本产品及配件都应放置在室内干燥通风处，勿长期存放在潮湿、灰尘多的环境；使用中避免靠近火源、触碰液体、雨淋、进水、过度碰撞、抛掷、振动及覆盖通风孔，以免损坏其功能；
4. 若产品需要固定于墙壁或天花板上时，请确保固定到位，防止因固定强度不足导致产品发生跌落危险；
5. 使用本产品时需遵守相关安全规定，法律法规明确禁止的使用场合请勿使用本机，以免导致意外事故；
6. 请不要自行拆机改装或维修，以防止出现人身伤害，如有问题或服务需求请联系当地经销商跟进处理。

## ■ 环保说明

产品中有毒有害物质或元素的名称及含量标识表

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (CrVI)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
塑料部件	○	○	○	○	○	○
金属部件	×	○	○	○	○	○
电路板组件	×	○	○	○	○	○
线缆	×	○	○	○	○	○

本表格依据SJ/T 11364的规定编制。

○: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572规定的限量要求以下。

×: 表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572规定的限量要求。

此标志为产品的环保使用期限标志，

且此环保使用期限只适用于产品正常工作的温度和湿度等条件。





# BM-650 Boundary Microphone

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## ■ Preface

Dear Customer,

Thank you for purchasing Takstar BM-650 boundary microphone. Please read the user manual carefully before operation and keep it for reference in future. If you have any question or suggestion, please contact our local dealer

## ■ Features

1. Boundary microphone tailored for teaching program recording & live broadcast, video source switching by technical director, TV studio, video conference, monitoring
2. Built-in omni-directional capsule, wide pickup range, clearer sound
3. Hanging holes on the back; Put the microphone on table or hang on the wall for convenient wall installation
4. RFI shield technology effectively prevents from cell phone signal interference
5. 150Hz bass attenuation switch effectively decreases picking up ambient noise
6. Anti-skidding rubber pads prevent from skidding and reduce the vibration from table
7. Capacitive touch mute switch eliminates the mechanical noise of traditional switch
8. Professional XLR audio connector for convenient connection with video conference system or audio equipment, e.g. mixer

## ■ Product Content

BM-650 microphone	1 pc
Mini XLR audio cable ( $\Phi 4\text{mm} \times 7.6\text{M}$ )	1 pc
User manual	1 pc

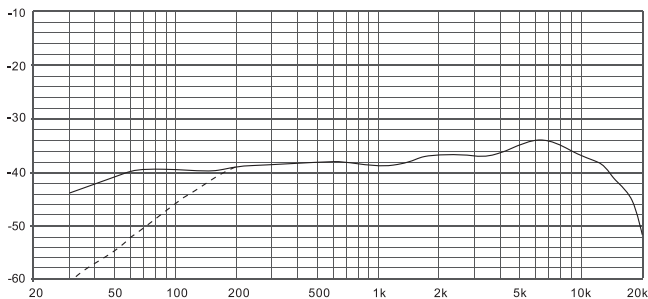
# BM-650 Boundary Microphone

## ■ Application

Teaching program recording & live broadcast, video source switching by technical director, TV studio, video conference, monitoring

## ■ Specification

Frequency Response Curve



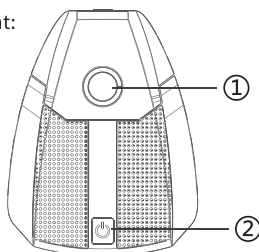
- Cartridge:  $\Phi 12$ mm condenser cartridge
- Polar Pattern: omni-directional
- Frequency Response: 50Hz-15KHz
- Sensitivity:  $-36\text{dB} \pm 3\text{dB}$   
( $0\text{dB}=1\text{V}/\text{Pa}$  at 1KHz)
- Output Impedance:  $100\Omega \pm 30\%$ (at 1KHz)
- Distortion:  $\leq 1\%$  at 1KHz
- S/N Ratio:  $\geq 62\text{dB}$
- Bass Attenuation: 150Hz 12dB/Oct
- Power Supply: 9-52V phantom power
- Dimension:  $136 \times 106 \times 40\text{mm}$ (L\*W\*H)
- Net Weight: 600g

Note: the above data is obtained from the test of Takstar laboraroty, and Takstar has the final interpretation right!

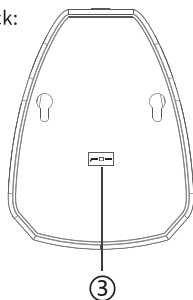
## ■ Function Instruction

- ① Mute LED: the LED keeps lighting up green means the pickup status, and lights off means mute status.
- ② Mute switch: touch it to switch pickup status and mute status. The microphone is in pickup status initially and LED lights up green. Touch the mute switch. LED lights off. The microphone is muted. Touch the mute switch again. LED lights up green and microphone returns back to pickup status.
- ③ Set the switch to "—" to pick up the real audio source. This is used in quiet environment. Set the switch to "┌" to filter LF ambient noise (e.g. transportation, air conditioner system, table vibration, etc) and to make the sound clearer.
- ④ Mini XLR connector: it connects with video conference system or audio equipment(e.g. mixer) via mini XLR audio cable.

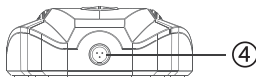
front:



back:



side:

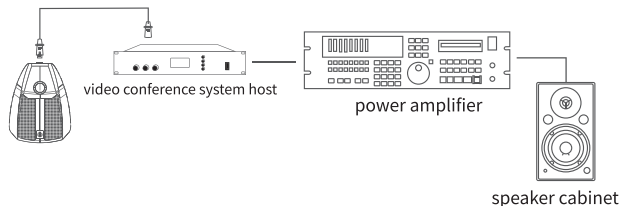


# BM-650 Boundary Microphone

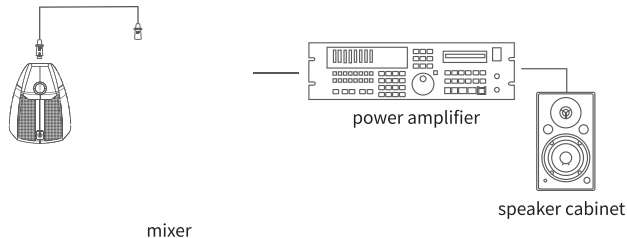
## ■ Operation

Use the supplied Mini XLR audio cable to connect microphone with the recording & live broadcasting system, teleconference system, power amplifier, mixer, etc. Refer to the diagrams below:

A. Connect microphone with the recording & live broadcasting system or teleconference system which has 12V phantom power. Refer to the diagram below:

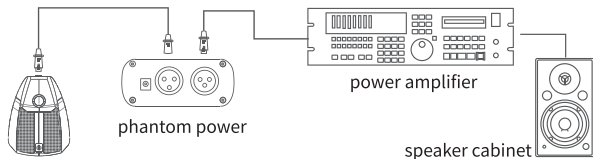


B. Connect microphone with the mixer which has 48V phantom power. Refer to the diagram below:



## BM-650 Boundary Microphone

C. Connect microphone with 48V phantom power. Refer to the diagram below:



Note: Before operation, decrease the volume of audio equipments, then turn on the phantom power, and then increase the volume slowly to a proper level to avoid too high sound pressure surges the speaker. Keep the microphone away from speaker as much as possible to avoid feedback.

### ■ Trouble Shooting

A. The microphone has no sound

1. Check if the audio equipment which the microphone connects has 9-52V phantom power function. If no 9-52V phantom power function, the microphone does not work.
2. Check if the volume of audio equipment which microphone connects has been set to too low a level. Increase the volume and check the result.
3. Check if the master volume of audio equipment which microphone connects has been set to too low a level. Increase the volume and check the result.

B. There is feedback when the speaker cabinet is connected.

1. If the audio equipment has feedback-eliminating-function, turn on this function.
2. Keep the microphone cartridge against the speaker cabinet, and keep away to a proper distance.
3. Decrease the microphone volume or speaker cabinet output volume.

### ■ Caution

To avoid electric shock, over temperature, catching fire, radiation, explosion, mechanical risk and hurt or property loss caused by improper use, please read the following items carefully before operation:

1. Adjust the volume to proper level during operation. Do not operate at high volume level for a long time to avoid hearing loss.
2. If abnormal phenomenon (smoke, abnormal smell) happens, please turn off the power switch and disconnect the power plug with power socket immediately, and send the product to local dealer for maintenance.
3. The product and accessories should be put in dry and ventilated place rather than humid or dusty environment. Prevent the product from fire, liquid, rain, water, over-colliding, throwing, vibrating, vent hole covered to avoid function destroyed.
4. When the product needs to be installed on wall or ceiling, please fix it tightly to avoid dropping risk.
5. Please abide by safety rules during operation. Do not use the product in the place prohibited by regulation or law to avoid accident.
6. Do not disassemble or repair the product by yourself to avoid hurt. If you have question or need service, please contact the local dealer.

# 产品服务保证书

姓名：\_\_\_\_\_ 电话：\_\_\_\_\_ 地址：\_\_\_\_\_

商品：\_\_\_\_\_ 型号：\_\_\_\_\_ 购买日期：\_\_\_\_\_ 年 \_\_\_ 月 \_\_\_ 日

## 注意事项：

1. 本单为保修凭证，请用户妥善保管，如有遗失，恕不保修或退换。
2. 保修期限制：购买之日起十二个月内。
3. 除了不可抗力事件损坏外，由本公司负责，免费维修。
4. 如属保管不善或使用不当造成的损坏，维修点将酌情收费。
5. 擅自拆卸维修者，不予保修。
6. 以上保修条款仅限于中国市场适用（不含港澳台地区）。

维修记录栏(由维修员填写)	维修员签名	日期



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