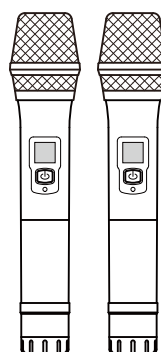
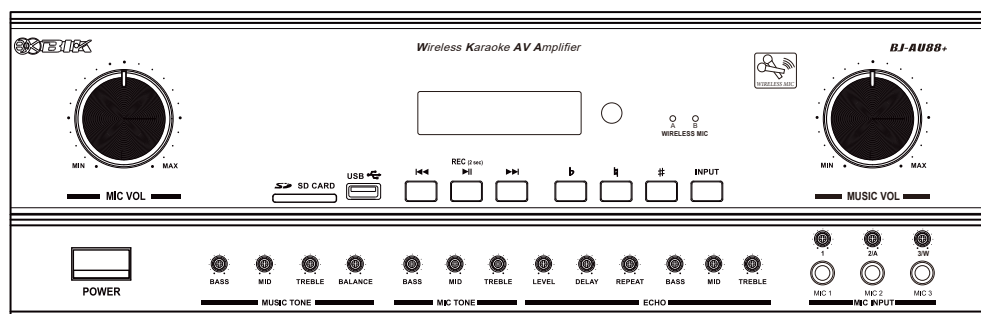




OWNER'S MANUAL
使用说明书

BJ-AU88+

WIRELESS KARAOKE AV AMPLIFIER
 数码立体声二合一卡拉OK功率放大器





Thank you for purchasing our Wireless Karaoke AV Amplifier.
 Please read the owner's manual thoroughly prior to use.
 Please keep the manual for future reference.

感谢您购买本公司的数码立体声二合一卡拉OK功率放大器。
 为了尽快的熟悉掌握本产品的各项功能，使用前请仔细阅读本说明书。
 阅读后，请注意妥善保管。

CAUTION FOR SAFETY

This "Caution for safety" shows various kinds of pictures in order to be used safely and correctly and to prevent from damaging other people, and their property. Please read with full understanding, and carefulness.

| | |
|--|---|
|  WARNING | This shows: Using this product with disregarding cautions might call for death or injury. |
|  CAUTION | This shows: Using this product with disregarding cautions might call for people to be harmed and goods to be damaged. |

WARNING

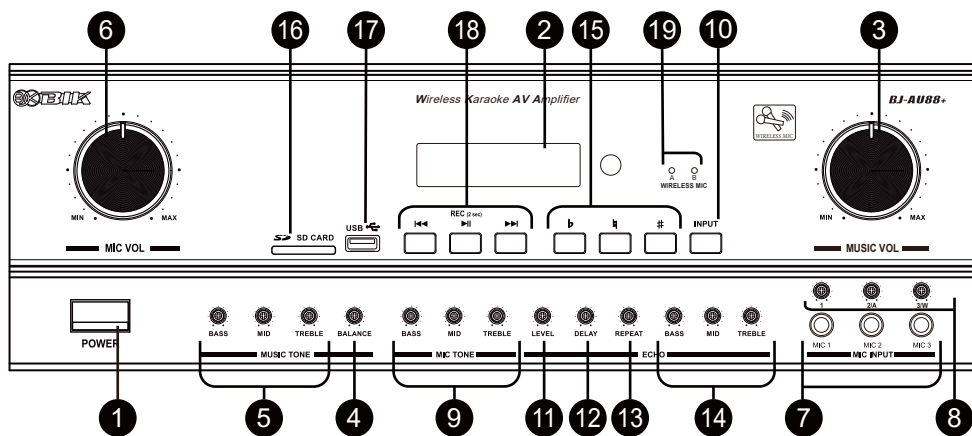
- Making use of this product under the circumstances that a smoke, an abnormal smell, an irregular sound coming out, it may cause a fire and an electric shock. In this case, switch off the product, and take AC plug out of the outlet right away. Bring it to the shop for repair.
- In case when water or foreign substances get into product, switch off right away, and take AC plug out of outlet, and consult with the repair shop, otherwise, it may cause a fire or an electric shock.
- Re-assembling this product is highly prohibited, otherwise, it may cause a fire or an electric shock.
- Do not take the cover out, otherwise, it may cause an electric shock. Inspection, repair should be done in the repair shop.
- This product can no way be used in the bathroom, otherwise, it may cause a fire, or an electric shock.
- Pay attention not for water to go into or get wet, or it may cause a fire or get an electric shock.
- This product can be used only with AC220V-240V, otherwise it may cause a fire or get an electric shock.
- This product is not designed for built-in installation : do not place the product in an enclosed place such as a bookcase or rack.
- Be careful for AC plug, or outlet not to get dust or to get wet, or it may cause a fire.

CAUTION

- When this product is not used for a longer period, power supply plug should be taken out of outlet.
- In case the thunder is generated near-by, take power supply plug out of outlet right away, or it may cause a fire or an electric shock.
- If this product needs to be moved, switch off first, and then take power supply plug out, or it may damage cord, and may cause a fire or an electric shock.
- Do not put this product near cooking counter or damp supply outlet, or it may cause a fire or an electric shock.
- Do not put this product on unstable desk, it may damage or injury when dropped.
- Do not leave this product for a longer period such as in the cars where all windows are shut, or place where direct sunshine hits, or it may damage each part of this product, and may cause a fire.

FUNCTION AND NAME

Front Panel

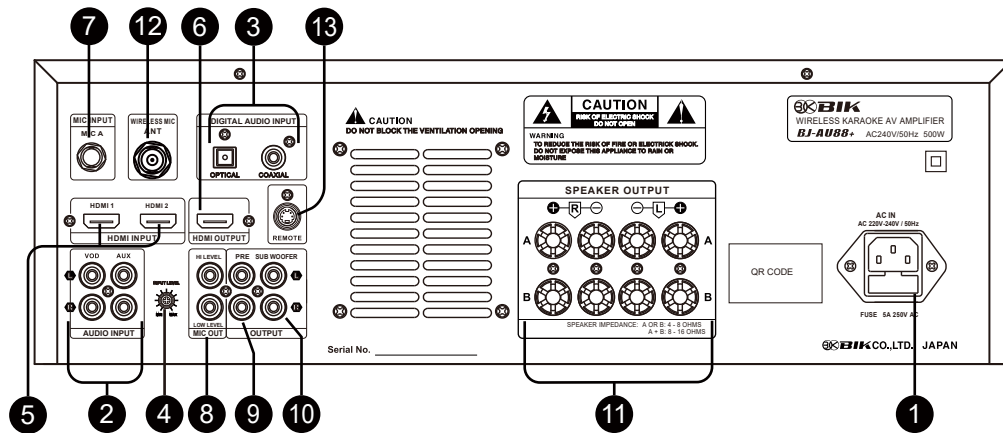


- | | |
|--|--|
| <p>1 Power Switch Push switch button-"On", and Re-push it and then "Off".</p> <p>2 Display</p> <p>3 Music Volume To adjust Music Volume.</p> <p>4 Balance Volume To adjust Sound Level of Left and Right channels.</p> | <p>5 Music Tone Control Volumes To adjust Tone of Bass, Midrange, and Treble.</p> <p>6 Microphone Master Volume To adjust Sound Level of all Microphones.</p> <p>7 Microphone Input To Input 3 Microphones (MIC 1, MIC 2 and MIC 3).</p> <p>8 Microphone Volume To adjust Sound Volume of MIC 1, MIC 2/A and MIC 3/W Microphones (W: Wireless Microphone).</p> |
|--|--|

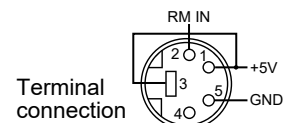
- 9 Microphone Tone Control Volumes**
To adjust Tone for Bass, Midrange and Treble.
- 10 Input Select Button**
When pushing button, Input Signal is changed from VOD, AUX, Optical, Coaxial, HDMI 1, HDMI 2, Blue tooth, USB/SD card.
- 11 LEVEL (Echo)**
To adjust Volume of Microphone Echo.
- 12 Echo Delay**
To adjust Delay Duration of Echo.
- 13 Echo Repeat**
To adjust Repeat Volume of Echo.
- 14 Echo Tone Control Volumes**
To adjust Tone of Bass, Midrange, and Treble.
- 15 Key Control Button**
To adjust Music Interval tone Level.
b : To slow interval tone.
: To fast interval tone.
⏪ : Back to original.

- 16 SD CARD**
To insert card memory.
- 17 USB**
To insert USB memory.
- 18 Play back and Recording button**
⏪ : Reverse.
▶|| / REC : To play back / Recording (Push the button for more than 2 Second)
▶▶ : Fast forwarding.
- 19 Wireless microphone indicator**
It lights up at a wireless microphone (A, B) switch ON .

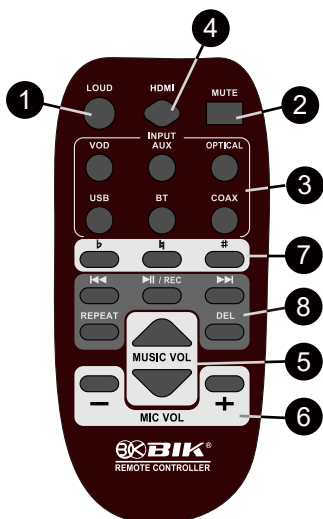
REAR PANEL



- 1 Power Cord Socket.**
Power input AC 220 - 240V / 50Hz.
- 2 Audio Input**
VOD and AUX.
- 3 Digital Audio Input**
Optical and Coaxial.
- 4 Input Level**
To adjust volume of Input.
- 5 HDMI Input**
HDMI 1. HDMI 2
- 6 HDMI Output**
Connect with TV. (Video 1, Video 2)
- 7 Mic Input**
MIC A
- 8 Mic Output (Vocal output)**
High Level, Low Level (-11dB)
- 9 Pre Output**
Connect with Power amplifier.
- 10 Sub woofer Output**
Connect with Powered sub woofer.
- 11 Speaker Output**
A or B: 4 Ohms - 8 Ohms, A+B: 8 Ohms - 16 Ohms.
- 12 Wireless ANT**
Connect with antenna.
- 13 REMOTE Terminal**
It can be connected with other IR receiver.



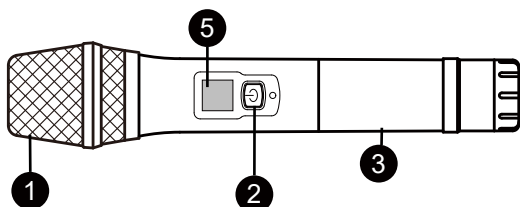
REMOTE CONTROLLER



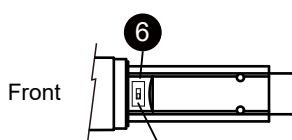
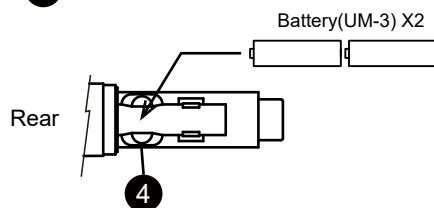
- 1 LOUD (Loudness)**
When pushing button, It will be a more dynamic sound.
- 2 Mute Button**
- 3 Input Button**
You can select the Input Signals. VOD, AUX, Optical, Coaxial, USB, BT.
- 4 HDMI Input Button**
HDMI 1, HDMI 2.
- 5 Music Volume**
To adjust Music Volume.
- 6 Mic Volume**
To adjust Microphone Volume.

- 7 Key Control Button**
To adjust Music Interval tone Level.
b : To slow interval tone.
: To fast interval tone.
⏪ : Back to original.
- 8 Play back and Recording button**
⏮ : Reverse.
▶⏪ / REC : To play back / Recording (Push the button for more than 2 Second)
▶▶ : Fast forwarding.
Repeat
DEL: delete

WIRELESS MICROPHONE

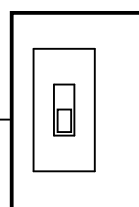


- 1** Microphone head case
- 2** Switch / Channel setting
- 3** Grip
- 4** Battery case for UM-3 x 2



- 5** Display
 - (A) Channel indication
 - (B) Battery level indication

- 6** "HI", "LO" Setting switch.
Adjustment of RF output power.



LO: Use to near distance.
HI: Use to far distance.

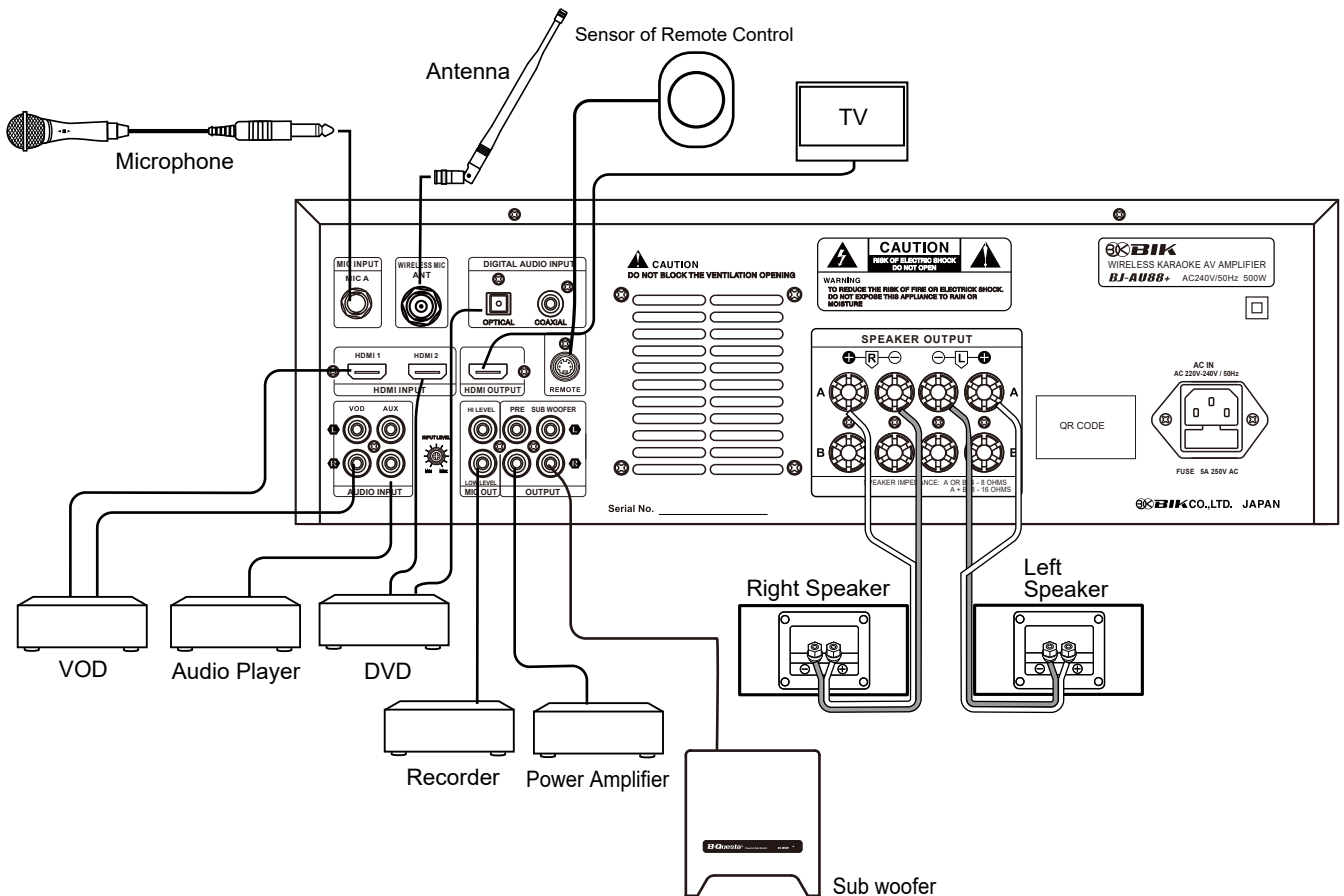
● How to set Channel (Frequency)

1. Put a microphone to near the front panel of amplifier.
2. Set a channel with pushing microphone switch button.



3. Channel is set automatically.

HOW TO CONNECT



ANY TROUBLES?

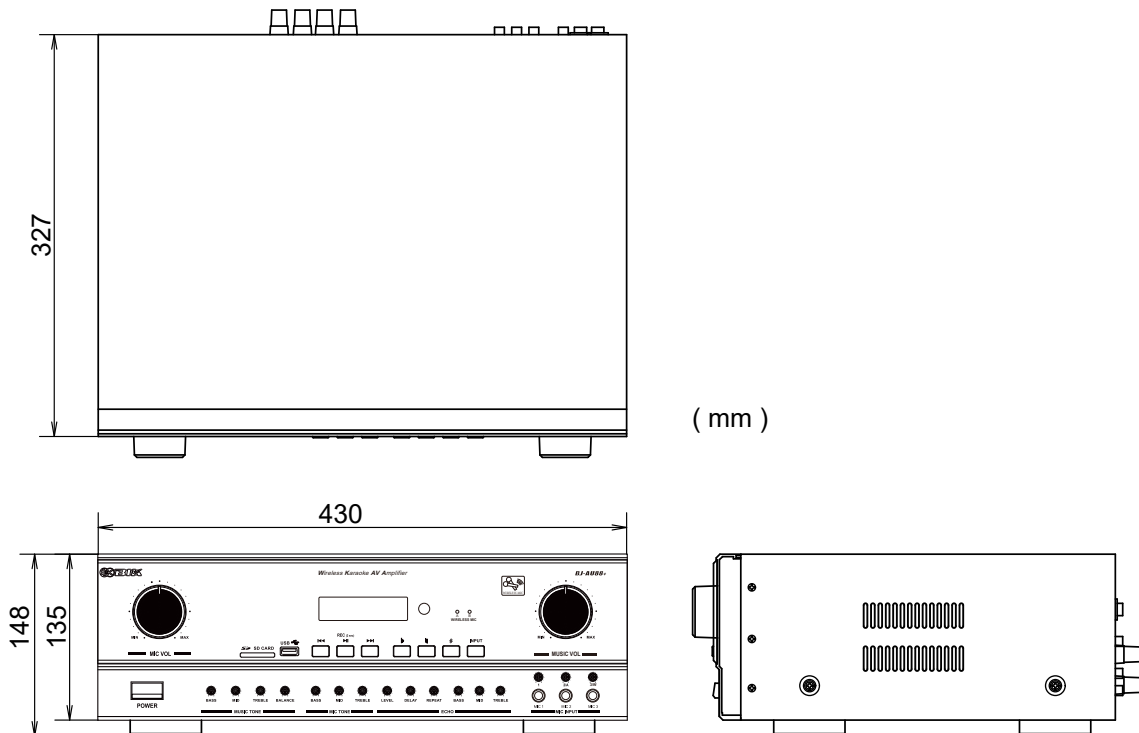
Any troubles? please check the followings. Your careless mistakes may cause troubles.
Consult with your dealers in case any troubles can not be solved after checking the followings.

| Trouble | Cause | Remedy |
|--|---|---|
| Can not power ON . | <ul style="list-style-type: none"> ● The power cord is not connected. | <ul style="list-style-type: none"> ● Connect the power cord to AC outlet. |
| Power ON, but no sound. | <ul style="list-style-type: none"> ● Music volume control or Mic. volume control may be set to minimum position. ● Music signal choice is incorrect. ● The output cords is not connected correctly. ● The power amplifier switch is not ON. | <ul style="list-style-type: none"> ● Adjust for proper sound position. ● Choose correct music signal input. ● Connect the output cord correctly. ● Turn ON the power amplifier. |
| No sound at beginning of the music when switched ON. | <ul style="list-style-type: none"> ● Output level of audio component is set to minimum. | <ul style="list-style-type: none"> ● Adjust it to suitable position. |
| No microphone sound but playback the music sound. | <ul style="list-style-type: none"> ● Microphone switch is to "OFF". ● The microphone cord broken. ● Microphone plug is not connected. | <ul style="list-style-type: none"> ● Set it to "ON". ● Repair or replace it. ● Connect it correctly. |
| Without echo. | <ul style="list-style-type: none"> ● Echo volume is minimum. | <ul style="list-style-type: none"> ● Adjust the Echo volume. |
| Can not use remote control. | <ul style="list-style-type: none"> ● The power amplifier switch is not ON. ● Remote control batteries is not in. ● Batteries ran down. | <ul style="list-style-type: none"> ● Turn ON the power amplifier. ● Check batteries. ● Change batteries to new ones. |
| No sound and no video at a HDMI connection. | <ul style="list-style-type: none"> ● A connection of a HDMI cord is loose. ● The HDMI cord broken. | <ul style="list-style-type: none"> ● Connect it correctly once again. ● Change HDMI cord to new ones. |
| Wireless microphone can not switch ON. | <ul style="list-style-type: none"> ● Is a battery included? ● Batteries ran down. | <ul style="list-style-type: none"> ● Please put a battery in. ● Change batteries to new ones. |
| Noize out of microphone | <ul style="list-style-type: none"> ● Receiver volume is set " Minimum " position? ● Obstacle wave is disturbing? | <ul style="list-style-type: none"> ● Turn up Receiver volume. ● Set another channel. |

SPECIFICATIONS

| | | | |
|-----------------------------------|------------------------------------|---------------------------------|--|
| Max output power | 240W + 240W /8Ω 350W + 350W /4Ω | Wireless Microphone | |
| Total Harmonic Distortion | 0.08% (max) | Modulation Mode | pi/4 DQPSK, digitally modulating |
| S/N Ratio | 87dB | Signal Reception | pi/4 DQPSK, digitally receiving |
| Speaker Impedance | 4 - 8Ω (A or B) 8 -16Ω (A + B) | RF Frequency Range | 635-695MHz |
| Audio Input | | Switching Bandwidth | 300 KHz |
| VOD, AUX, | 200mV | Available Channels | 38 CH (MIC-A: 0 -18 CH, MIC-B: 21 - 38CH) |
| Optical, Coaxial | | Max Working Distance | 30m |
| MIC Input | | RF Output Power | 10mW |
| MIC-1, MIC-2/A, MIC-3 | 20mV | Frequency Stability | ±20ppm |
| MIC Output | | S/N Ratio | 96dB |
| High Level | 3V | Total Harmonic Distortion | 0.5% (max) |
| Low Level | 100mV | AF Frequency Response | 30Hz - 18KHz, ±2dB |
| Pre-amplifier Output | 5V | MIC Sensitivity | -51dBV |
| Sub woofer Output | 5V | Receiver Sensitivity | -95dBm |
| Frequency response | | Power supply, Others | |
| Microphone | 20Hz~20KHz±3dB | Power Voltage | AC220V - 240V / 50Hz |
| Music | 20Hz~20KHz±3dB | Power consumption | 500W |
| Tone control | | Dimensions (W X H X D) | 430 X 148 X 327 mm |
| Music Bass | ±8dB (100Hz) | Weight | 13.0 Kg |
| Music Midrange | ±7dB (1KHz) | Accessories | |
| Music Treble | ±8dB (10KHz) | Owner's manual | 1 |
| Microphone Bass | ±8dB (100Hz) | Power Cable | 1 |
| Microphone Midrange | ±7dB (1KHz) | Remote Controller | 1 |
| Microphone Treble | ±8dB (10KHz) | Wireless Microphone | (MIC-A, MIC-B) 2 |
| Echo Bass | ±3dB (100Hz) | Wireless Antena | 1 |
| Echo Midrange | ±3dB (1KHz) | | |
| Echo Treble | ±3dB (10KHz) | | |
| Key Control | 13 steps±2.5 pitch | | |
| HDMI Input (HDMI-1, HDMI-2) | Type A x 2 pcs | | |
| HDMI Output | Type A x 1 pc | | |
| USB Input | 1 pc | | |
| SD Card Input | 1 pc | | |



• Design and specifications subject to change without notice.



| | | | | | | |
|----|-----------------|---|--------------|----|------------|----|
| 目录 | 安全注意事项 | 7 | 连接方法 | 10 | 产品规格 | 11 |
| | 各部分的功能及名称 | 7 | 故障分析处理 | 10 | | |

安全注意事项

安全注意事项是为了安全正确使用本商品、防止给自己及他人带来财产损失。
以下用图标形式加以注明。请仔细阅读本文。

| | |
|---|---------------------------------|
|  警告 | 警告 无视或误用会有造成人身事故的可能性。 |
|  注意 | 注意 无视或误用会有造成人身伤残、或对财产损坏的可能性。 |

警告

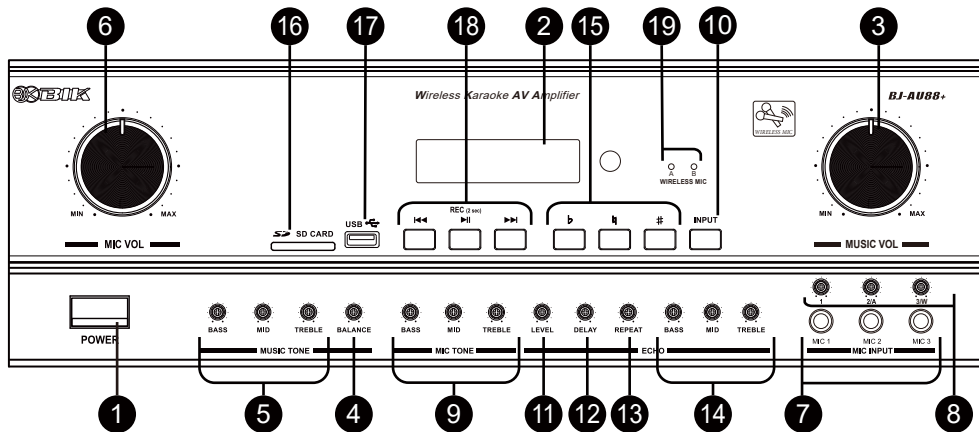
- 在使用时、如果有冒烟、异味、异音等异常现象发生、为避免发生火灾、触电现象等、请立即切断本机电源、然后拔下AC电源插头。确认没有再冒烟后、到贩卖店进行修理。
- 在使用时如有水或异物等混入机体内、首先切断机体电源、然后拔下电源插头。请尽快与经销商联系、进行修理。
- 在未进行维修的状态下使用、会引起火灾、触电现象等问题。
- 请勿分解、改装本机器、会引起火灾、触电、故障等现象。绝对不可以打开本机器的外壳、会引起触电事故。内部的检查、修理等请委托经销商。
- 请勿在浴室内使用、会引起火灾、触电等现象。
- 请防止机器进水或使机器受潮、会引起火灾、触电等现象。
- 电源插头不要插入电压（AC220V - AC240V）以外的电源上。有造成火灾、触电的危险。
- 请不要用带有灰尘、或带有湿气的插头和插座、会引起火灾等现象。

注意

- 旅行等长时间不使用时、为了安全请务必拔下插头。
- 如近距离内有雷电现象时、请拔下电源插头，由于雷电原因，会引起火灾、触电、故障等现象。
- 移动时首先关闭电源开关、然后务必拔下电源插头。
- 请勿放置在灶台、加湿器及有油烟、雾气的地方。会引起火灾、触电等现象。
- 请勿放置在不安稳的桌上、或倾斜的地方。会容易掉落、翻倒而造成损坏、损伤等现象。
- 请勿放置在紧闭车窗的汽车内、或阳光直射及高温的地方。以免造成零部件的损坏、而引起火灾。

各部分的功能及名称

前面板

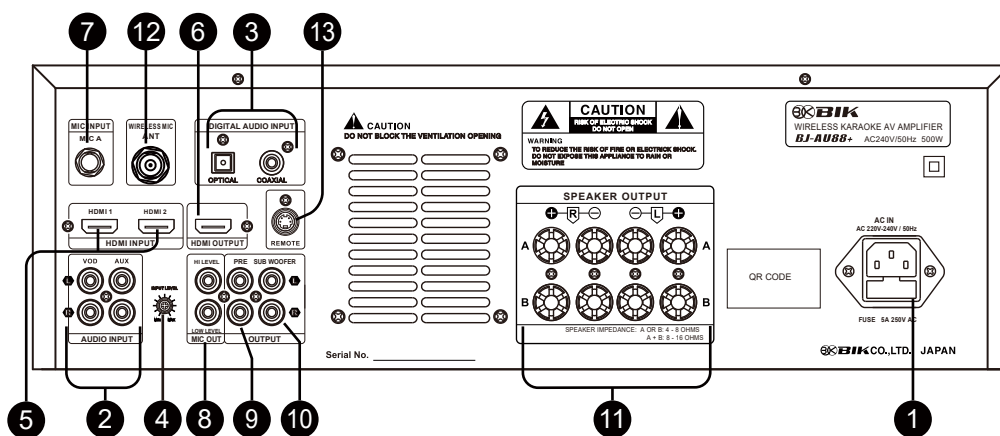


- 1 电源开关**
按一下ON、再按即为OFF
- 2 显示屏**
- 3 音乐音量调节旋钮**
音乐的音量调节。
- 4 左右平衡旋钮**
左右 (L、R) 声音平衡旋钮。
- 5 音乐音质调节旋钮**
低音 (BASS)、中音 (MID)、高音 (TREBLE) 的调节。
- 6 麦克风音量旋钮**
麦克风总音量的调节。
- 7 麦克风输入端子**
可以插入3支麦克风 (MIC 1、MIC 2、MIC 3)
- 8 单只麦克风音量旋钮**
MIC 1、MIC 2/A、MIC 3/W、各个麦克风音量的调节旋钮。
(W: 无线麦克风)

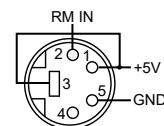
- 9 麦克风音质旋钮
可以调节麦克风的低音 (BASS)、中音 (MID)、高音 (TREBLE)
- 10 输入切换按键
按此按键的时候会依据VOD、AUX、OPTICAL、COAXIAL、HDMI-1、HDMI-2、Blue tooth、USB/SD卡的顺序信号切换。
- 11 混响旋钮
麦克风混响效果的调节
- 12 混响延迟旋钮
混响效果延迟时间的调节
- 13 混响反复旋钮
混响反复效果的调节
- 14 混响音质旋钮
可以调节麦克风的低音 (BASS)、中音 (MID)、高音 (TREBLE)
- 15 声调调节按钮
音乐的升降调节。
b: 降调、#: 升调、q: 复原

- 16 SD CARD 输入端子
插入SD卡记忆
- 17 USB输入端子
- 18 录音·播放按钮
◀◀: 上一曲
▶▶ / REC: 播放 / 录音 (长按2秒以上)
▶▶: 下一曲
- 19 无线麦克风指示灯
当麦克风的开关ON时, 灯亮

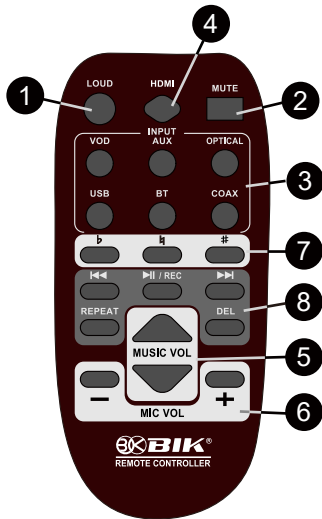
后背板



- 1 电源線插座
电源电压 AC 220 - 240V / 50Hz
- 2 音乐输入端子
VOD, AUX
- 3 数字光纤、同轴输入
Optical, Coaxial
- 4 输入音量旋钮
输入音量的调节旋钮
- 5 HDMI 输入端子
HDMI 1, HDMI 2
- 6 HDMI 输出端子
连接影像机
- 7 麦克风输入端子
(MIC-A) 麦克风插入端子
- 8 麦克风输出端子
Hi Level, Low Level (-11dB)
- 9 前级输出端子
- 10 超低音箱输出端子
- 11 音箱端子
A、B单独使用时4 - 8欧,
两侧同时使用的时候8 - 16欧姆
- 12 天线端子
连接附属天线
- 13 遥控器控制端子
连接外部遥控接收器的端子



遥控器



1 LOUD (Loudness)

2 静音按钮

3 输入按钮
VOD、AUX、OPTICAL、
COAXIAL、USB、BT

4 HDMI 输入按钮
HDMI 1, HDMI 2

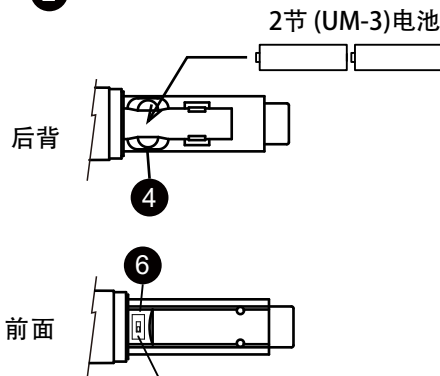
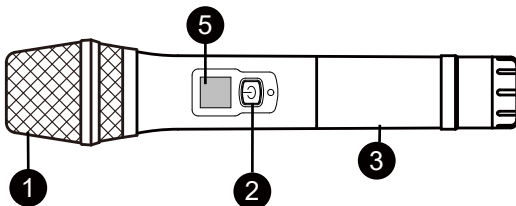
5 音乐音量调节旋钮
音乐的音量调节。

6 麦克风音量旋钮
麦克风总音量的调节。

7 声调调节按钮
音乐的升降调调节。
b:降调、#:升调、q:复原

8 录音·播放按钮
◀◀: 上一曲
▶▶ / REC: 播放 / 录音 (长按2秒以上)
▶▶: 下一曲
Repeat: 重复
DEL: 消去

无线麦克风




1 网头及音头模组

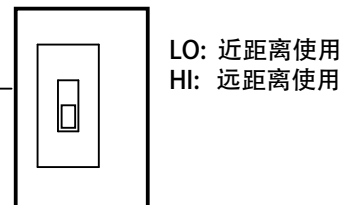
2 电源 / 频道设定

3 麦克风管体

4 电池窗
2节 (UM-3) 电池

5 显示屏

 (A) 表示频道
 (B) 表示电池电量

6 “HI”、“LO” 开关
调整电波的强度。



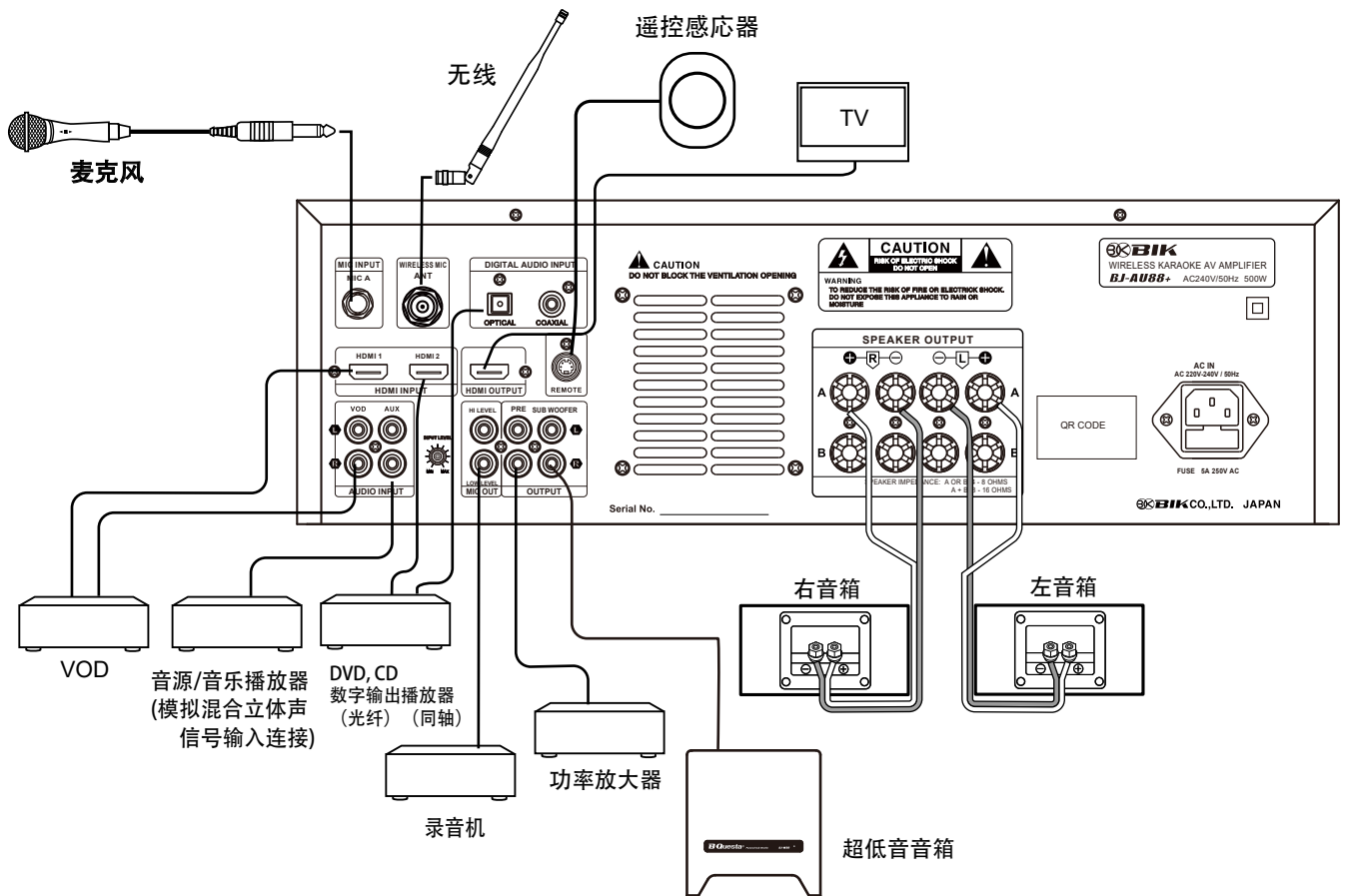
● 频道的设定方法

1. 将话筒靠近前面板
2. 按动话筒的电源开关, 设定频道。



3. 频道将会自动设定。

连接方法



故障分析处理

如感觉有故障请根据以下方法检查。偶尔会有因为操作错误而误认为是故障的现象。根据以下方法检查也不能解决的情况下，请直接联系代理经销商

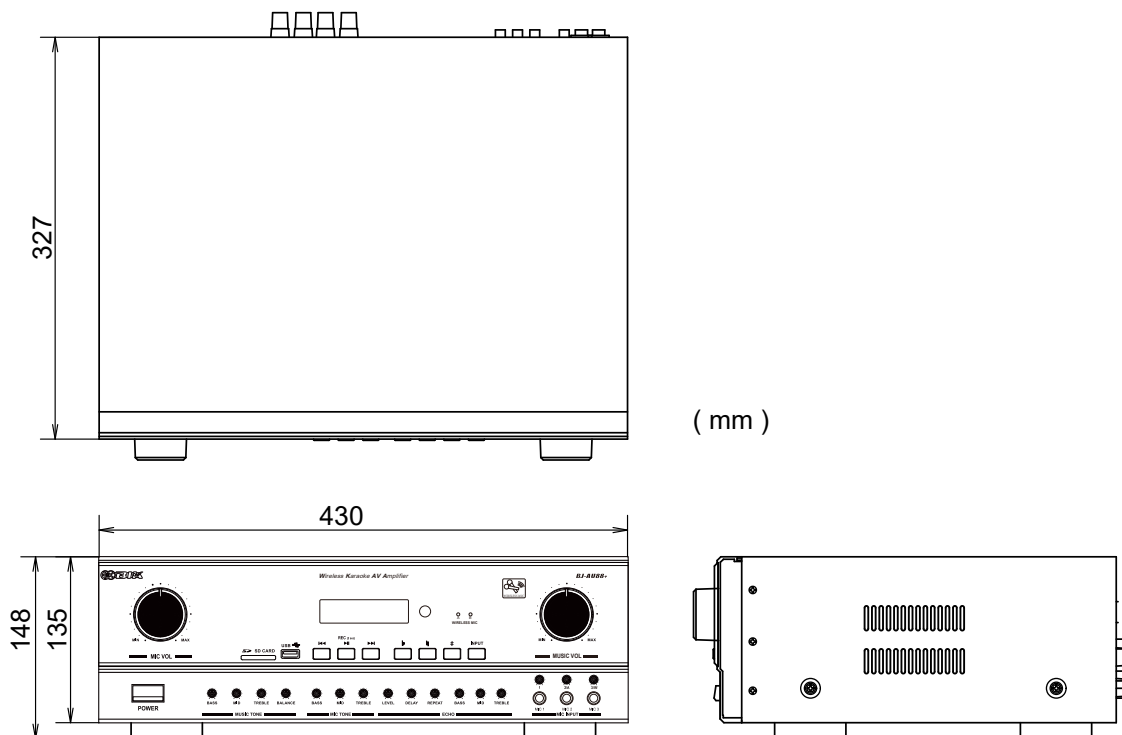
| 故障症状 | 原因 | 解决方法 |
|---------------------|---|---|
| 没有电源 | ● 电源线没有插好。 | ● 请插好电源插头，将旋钮调整到适当位置。 |
| 电源接通但是没有声音。 | ● 音乐旋钮或麦克风旋钮设定在最小的位置。 ● 输入信号选择不正确。 ● 输出线与功率放大器的连接不正确。 | ● 调节适当的音量。 ● 请选择正确的音源信号。 ● 修正输出线与功能放大器间的连接。 |
| 接通电源、接入音乐信号，但是没有声音。 | ● 音量旋钮设定在最小状态。 | ● 设定到适当音量的位置。 |
| 有音乐声，但是麦克风不出声音。 | ● 麦克的开关‘OFF’ ● 麦克风线有划伤损坏。 ● 麦克的插头没有连接好。 | ● 打开麦克风开关。 ● 修理或更换麦克风连接线。 ● 插好麦克风插头。 |
| 部分声道没有声音 | ● 输入信号连接方法不正确。 ● 没有声音的声道上连接的音箱线不良。 | ● 重新连接 ● 请重新确认音箱线的连接 |
| 没有视频图像。 | ● 视频输出接口上的插头没插好。 ● 视频输入接口上的插头没插好。 | ● 请插好插头。 ● 请插好插头。 |
| 没有混响。 | ● 混响旋钮设定在最小位置。 | ● 调整混响旋钮到适当位置。 |
| 遥控器不工作。 | ● 功放电源没有接通。 ● 遥控器没装电池或电力不足。 | ● 检查功放是否接通电源。 ● 检查遥控器内是否安装电池或更换新电池。 |
| 连接HDMI，没有声音或没有图像显示 | ● HDMI线松动 ● HDMI线破损 | ● 将HDMI线插牢固 ● 更换HDMI线 |
| 无线麦克风开关没有反应 | ● 没装入电池 ● 电池没有电 | ● 请放入电池 ● 更换电池 |
| 有电源输入但是没有声音 | ● 接收器的音量旋钮是最小状态。 ● 接收器和麦克风的频道不同。 | ● 打开接收器的旋钮 ● 设定频道。 |

产品规格

| | |
|-------------------------------|--|
| 最大输出功率 | 240W + 240W / 8 欧姆 350W + 350W / 4 欧姆 |
| 失真度 (THD) | ≤ 0.08% |
| 信噪比 (S/N) | 87dB |
| 音箱阻抗 | 4 - 8欧姆 (A、B单独) 8 - 16欧姆 (A + B) |
| 音乐输入灵敏度 | |
| VOD, AUX | 200mV |
| Optical, Coaxial | |
| 麦克风输入灵敏度 | |
| MIC-1, MIC-2/A, MIC-3 | 20mV |
| 麦克风输出 | |
| High Level | 3V |
| Low Level | 100mV |
| 前级输出 | 5V |
| 超低音输出 | 5V |
| 频率响应范围 | |
| 音乐 | 20Hz~20KHz ±3dB |
| 麦克风 | 20Hz~20KHz ±3dB |
| 音质控制特性 | |
| 音乐低音 | ±8dB (100Hz) |
| 音乐中音 | ±7dB (1KHz) |
| 音乐高音 | ±8dB (10KHz) |
| 麦克风低音 | ±8dB (100Hz) |
| 麦克风中音 | ±7dB (1KHz) |
| 麦克风高音 | ±8dB (10KHz) |
| 混响低音 | ±3dB (100Hz) |
| 混响中音 | ±3dB (1KHz) |
| 混响高音 | ±3dB (10KHz) |
| 音调控制范围 | 13 steps ±2.5 pitch |
| HDMI 输入 (HDMI 1、HDMI 2) | TYPE A (2个) |
| HDMI 输出 | TYPE A (1个) |
| USB 输入 | (1个) |
| SD CARD 输入 | (1个) |

| | |
|---------------------|--|
| 无线 麦克风 | |
| 调制方式 | pi/4 DQPSK, 数字调制 |
| 信号接收方式 | pi/4 DQPSK, 数字接收 |
| RF 频响范围 | 635-695MHz |
| 可调带宽 | 300 KHz |
| 可用频道 | 38 CH (MIC-A: 0 -18 CH, MIC-B: 21 - 38CH) |
| 使用距离 | 30m |
| RF 输出功率 | 10mW |
| 频率稳定度 | ±20ppm |
| 信噪比 (S/N) | 96dB |
| 失真度 (THD) | ≤ 0.5% |
| AF 频率响应 | 30Hz - 18KHz, ±2dB |
| 麦克风输入灵敏度 | -51dBV |
| 接收机输入灵敏度 | -95dBm |
| 电源部分、其他 | |
| 电源电压 | AC220V - 240V / 50Hz |
| 电源功耗 | 500W |
| 外形尺寸 (长×高×宽) | 430 X 148 X 327 mm |
| 净重 | 13.0 Kg |
| 附件 | |
| 使用说明书 | 1个 |
| 电源适配器 | 1个 |
| 使用说明书 | 1个 |
| 无线 麦克风 | (MIC-A, MIC-B) 2个 |
| 无线 | 1个 |

● 为了改善产品而改变上述规格和外观时，本公司将不予另行通告。





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