

BE2021
Maxi Pro personal amplifier
Bellman & Symfon Group AB



Important safety instructions

This section contains important information about safety, handling, disposal, recycling and warranty.



Note: Read all safety information and instructions below before using the product. Keep the user manual for future use.

Warning!

- This product is intended to be operated by patient with mild to severe hearing loss.
- Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.
- Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.
- Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the Maxi Pro BE2021, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.
- Failure to follow these safety instructions could result in fire, electric shock, or other injury or damage to the product or other property.
- Do not use or store this product near any heat sources such as naked flames, radiators, ovens or other devices that produce heat.
- Protect the cable from any potential source of damage.
- Use only power adapters and accessories specified in this manual.

- Only refer a damaged or faulty product to qualified service personnel.
- Do not dismantle the product; there is a risk of electric shock. Tampering with or dismantling the product will void warranty.
- This product is designed for indoor use only.
- Do not expose the product to moisture.
- Protect the product from shocks during storage and transport.

Care and cleaning



Note: Failure to follow these care and cleaning instructions could result in damage to the product and void the warranty.

Battery charging and replacement



Warning! The Maxi Pro is powered by a rechargeable lithium-polymer battery. Do not expose the battery to fire or to direct sunlight. The battery should only be changed by Bellman & Symfon or an authorized service center. There is a risk of explosion if the battery is not replaced correctly. The battery should be charged fully before using the product for the first time. Only charge the battery in a temperature between 0°– 35°C, 32°– 95° F.

Using the product

Operating environment: 0°– 35° C with an atmospheric pressure of 700hpa - 1060hpa. Transport and storage environment: -10°– 50° C with an atmospheric pressure of 700hpa - 1060hpa. Do not use or store the products near a heat source. If the product gets wet or is exposed to moisture, it should be replaced.

Cleaning

Use a soft, lint-free cloth. Avoid getting moisture in openings. Don't use window cleaners, household cleaners, aerosol sprays, solvents, alcohol, ammonia, or abrasives.

Service and Warranty

If the product appears to be damaged or doesn't function properly, follow the instructions in this leaflet. If the product still doesn't function as intended, contact your local dealer for information on service and warranty.

Warranty Conditions

Bellman & Symfon guarantees this product for two years from date of purchase against any defects that are due to faulty materials or workmanship. This guarantee only applies to normal conditions of use, and does not include damage resulting from accident, neglect, misuse, unauthorized dismantling, or contamination howsoever caused. This guarantee excludes incidental and consequential damage.

Model, type and classification

The information is available at the back of the product.

Product disposal and recycling information

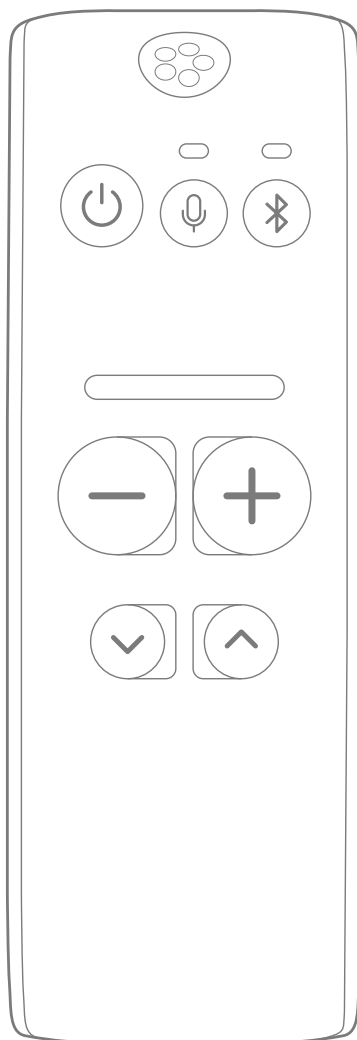


The symbol to the left means that according to local laws and regulations your product should be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities.

Battery disposal information



This symbol indicates that the product contains batteries that according to local laws and regulations must be disposed of separately from household waste. Take used batteries to a collection point designated by the authorities.



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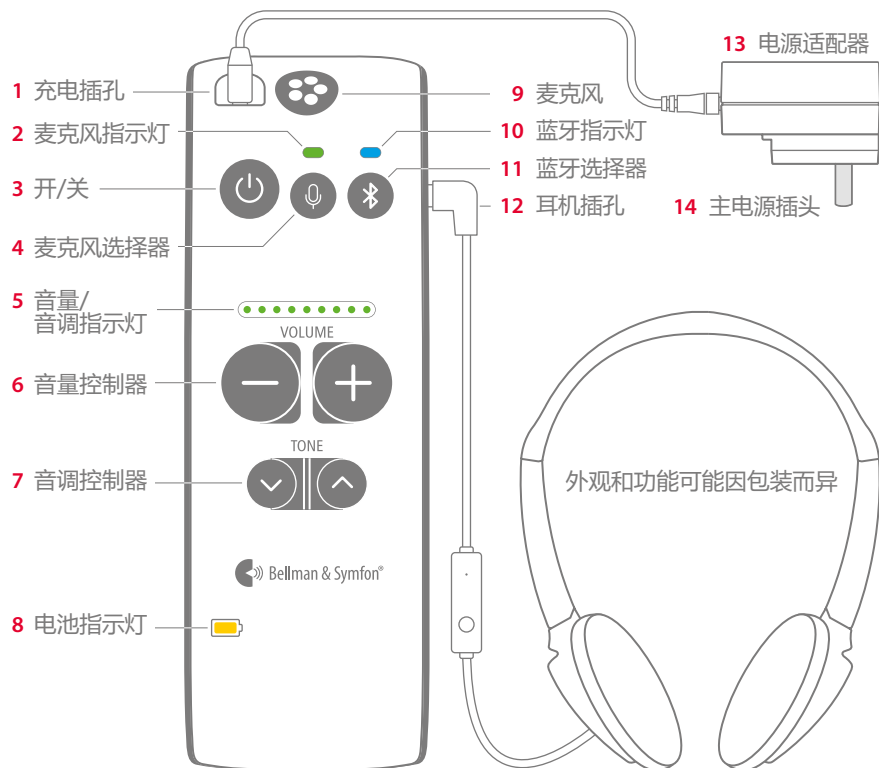
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概述



关于 Maxi Pro

Maxi Pro 是一款数字型语音放大器，可洪亮、清晰地放大人语音。当您在餐厅就餐、使用手机和收看电视时，可以使用 Maxi Pro 增强语音效果。

开始操作

第 1 步：对 Maxi Pro 充电

- 1 将充电线连接至电源适配器 (13) 和 Maxi Pro 的黄色充电插孔 (1) 处。
- 2 将主电源插头 (14) 连接至电源适配器

(13), 检查其是否正确锁定，然后将其连接至电源插座。

- 3 充电时，电池指示灯 (8) 闪烁绿色。大约 3 小时后持续亮起绿灯，这表明 Maxi Pro 已完全充好电。

第 2 步：连接 Maxi Pro

将附带的头戴式耳机、入耳式耳塞或颈圈连接至 Maxi Pro 的绿色耳机插孔 (12) 处。

第 3 步：启动 Maxi Pro

按下 开/关 按钮 (3) 大约 1 秒钟启动 Maxi

Pro。麦克风指示灯 (2) 亮起绿灯，音量/音调指示灯 (5) 显示当前音量 3 秒钟。

如要关闭 Maxi Pro，请按住 开/关 按钮 (3) 大约 3 秒钟，直至所有指示灯熄灭。

使用 Maxi Pro 增强语音

Maxi Pro 配有一台可增强语音效果的内置全向麦克风 (9)。可将 Maxi Pro 放置在讲话人附近的桌面上，手持或者使用夹子将其夹在衣服上。

调节音量

使用音量控制器 (6) 上的 + 增加音量，- 减小音量。可分 9 个级别调节麦克风音量，分 15 个级别调节电视机与手机音量。声级在音量/音调指示灯 (5) 上显示。

注意：每次打开 Maxi Pro 时，将音量调低，以免出现令人不适的音量。

调节音调

按下音调控制器 (7) 上的 ^ 提高高音，按下 v 降低高音。可分 5 个级别调节高音，音调在音量/音调指示灯 (5) 上显示。

注意：增加高音使得 S、F 和 T 发音听起来更加明显，更容易辨认。

使用 Maxi Pro 与手机连接

配对

- 1 通过按下麦克风按键 (4) 来确保 Maxi 工作在麦克风模式。
- 2 按住 Maxi Pro 蓝牙选择器 (11)，直至蓝牙指示 (10) 器闪烁蓝光。
- 3 确保手机上的蓝牙开启。打开蓝牙菜单，并在列表中选择 “Maxi Pro”。

- 4 蓝牙指示灯将持续显示蓝色，这表明配对成功。

注意：您的手机与 Maxi Pro 断开连接时，您可能需要重复 3、4 步骤。

接听电话

- 1 当手机铃声响起时，Maxi Pro 指示灯 (10) 将闪烁蓝色。其他所有声音将保持静音，您将会听到耳机内的响铃信号。
- 2 如要 接听 电话，按下 Maxi Pro 的蓝牙选择器 (11) 或者使用耳机上的遥控装置。此时，您将会在耳机内更好地听到来电声音，您的声音将由 Maxi Pro 麦克风或耳机上的远程麦克风拾取。

- 3 如要挂断，再次按下 Maxi Pro 蓝牙选择器。

注意：如要拒绝来电，按住 Maxi Pro 蓝牙选择器 3 秒。

打电话

当你用电话通话时，你会从耳机里面听到被放大的对方的声音，你的声音将会被 Maxi 麦克风拾取。

播放音乐

在手机上播放音乐，按下 Maxi Pro 蓝牙选择器可收听到音乐，如果还连着另外的蓝牙设备，需要再按一下。

使用耳机的麦克风

当您使用耳机通话时，将从耳机的远程麦克风拾取声音。

使用 Maxi Pro 收听电视

要听电视上播放的声音，你需要一个 Maxi Pro TV streamer，请看另外一份 TV streamer 使用说明书。

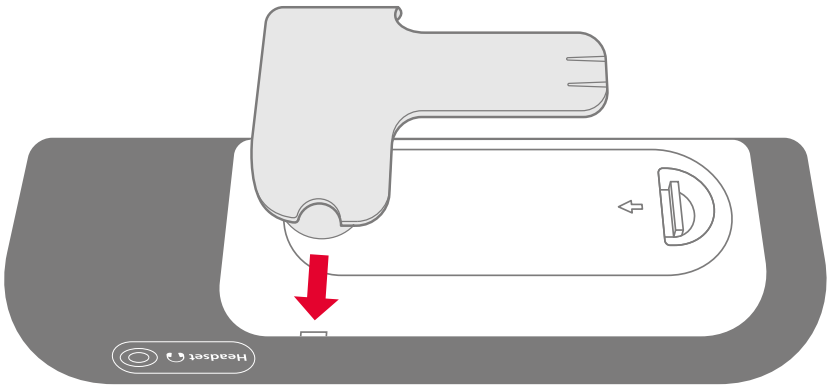
收听电视机声音

在手机上播放音乐，按下Maxi Pro 蓝牙选择器可收听到音乐，如果还连着另外的蓝牙设备，需要再按一下。

注意：如果在观看节目时有电话呼入，则电视机的声音将会静音，这样您就可以清晰听到来电者的声音。挂断电话时，电视机的声音将自动恢复。

自动重连

Maxi Pro 将会在它在有效连接范围内自动重连到你的 TV streamer，所以你可以带着 Maxi Pro 去拜访家人和朋友而免去重新配对的麻烦。



保养与维护

使用产品

注意：Maxi Pro 能够产生很大的声压，请小心使用，请逐渐增大音量到一个比较舒适的声音。在高声压情况下，容易损坏你的听力。

请确保一些小部件远离儿童。
请在 0-35 摄氏度的干燥环境中使用本产品。

电池与充电

Maxi Pro 配备最长可持续 70 小时的内置充电电池。当电池指示灯 (8) 开始闪烁红灯时，应及时为电池充电，请见对 Maxi Pro 充电。

连接夹子

如要连接夹子，将夹子顶靠背盖，然后用力按压直至其锁定。如要拆下夹子，将圆形手柄从滑块中拉出。

清洁

使用一块柔软的无绒布清洁产品。避免机器受潮。请勿使用化学物品清洁。

保养与质保

如果产品出现损坏迹象或者无法正常工作，请遵循本手册中的使用说明。如果产品依旧无法正常运行，请联系您当地的经销商，了解保养与质保信息。

故障排除

可通过执行下方建议快速解决大多数问题。

问题	解决方法
无法通过蓝牙与设备配对	<ul style="list-style-type: none">按下麦克风选择器 (4)，确保您的 Maxi 为麦克风模式。请见 配对 章节中所述的步骤重新尝试配对。
按下开关键没有反应	<ul style="list-style-type: none">电池电量耗尽。对 Maxi Pro 充电，请见对 Maxi Pro 充电。
Maxi Pro 电池指示灯闪烁红灯	<ul style="list-style-type: none">电池电量低。对 Maxi Pro 充电，请见对 Maxi Pro 充电。
在开机状态下，耳机没有声音	<ul style="list-style-type: none">首先，确保音量达到要求的水平。然后检查耳机插头是否正确连接到 Maxi 耳机插孔 (12)。按下 Maxi Pro 音量控制器 (6) 上的 + 提高音量将耳机连接至另外一台设备（例如：智能手机），然后检查是否听到任何声音。否则，可能需要更换耳机。如果选择蓝牙模式，应确保 电视伴侣 或手机在范围内、已配对并播放声音。
耳机无法听到手机的声音	<ul style="list-style-type: none">确保手机上的蓝牙开启，并且与 Maxi Pro 配对，请见使用 Maxi Pro 与手机连接章节中的配对。
耳机未听到电视机的声音	<ul style="list-style-type: none">确保电视伴侣在范围内并且与 Maxi Pro 配对，请见使用 Maxi Pro 收听电视章节中的配对。
Maxi 的音量即使调到最大了，还是很小声	<ul style="list-style-type: none">试着增大电视或者手机的输出音量。
耳机上听到尖锐噪声	<ul style="list-style-type: none">降低音量或者增加 Maxi Pro 与耳机之间距离。将 Maxi Pro 内置麦克风 (9) 对准其他方向。
Maxi 没有反应/死机	<ul style="list-style-type: none">按下 On/Off (开/关) 按钮 (3) 大约 10 秒钟关闭 Maxi。按下 On/Off (开/关) 按钮大约 1 秒钟再次启动 Maxi。

Technical specifications

Intended Use

Assistive listening device that enhances speech to facilitate listening during conversations, telephone calls and television viewing.

Dimensions and Weight

Size: 140 × 27 × 45 mm, 5.5 × 1.1 × 1.8"
Weight: 127g, 4.3 oz.

Frequency and Coverage

Bluetooth frequency: 2402 – 2480 MHz
Coverage: Up to 25 m, 27.5 yd, free field.
Connectivity: Qualcomm® aptX™ LL

Power Supply

Input: 100 – 240V~, Output: DC 5V, 1.0A
Battery power: 2 × 3.7V 750mAh Li-on
Operating time: Up to 70 h
Power consumption: 18 mA

Connections

Headphones input: 3.5 mm mini-stereo jack
Charger input: 2.5 mm jack

Microphone

Built-in omnidirectional microphone

Output level with BE9229

135dB @ 1kHz (SPL90)
136dB (HF Ave. SPL90)
Full-on gain: 49dB @ 1kHz,
Ref. test gain: 49dB @ 1kHz (SPL70)

Output level with BE9233

122dB @ 1kHz (SPL90)
127dB (HF Ave. SPL90)
Full-on gain: 36dB @ 1kHz
Ref. test gain: 36dB @ 1kHz (SPL70)

Mic SNR

53dB @ 1kHz 1% THD (electrical)

Distortion

0.2% THD @ 1kHz – 6dB @ 1% THD (Mic electrical)

Bluetooth SNR

85dB @ 1kHz 1% THD (BT with TV streamer)
Freq. range: 20Hz–8kHz (Mic), 20Hz–20kHz (Bluetooth)
Output power: Max 82mW @ 1kHz / 16Ω (THD=1%)

Environmental Requirements

Operating temperature: 0° – 35° C, 32° – 95° F
Relative humidity: 15% – 90% (non condensing)

Configuration options

These devices can be configured with the following original accessories:

- BE9122 Stereo headphones, black
- BE9124 In-ear stereo earphones, black
- BE9233 Headset with microphone, black
- BE9229 Earphones with mic. black
- BE9159 Neck loop, 90 cm cable, black
- BE9161 Neck loop, 15 cm cable, black
- BE9254 Single charger cord, white
- Power adapter, white
- USA plug, white
- AU plug, white

FCC compliance statement

FCC ID: 2APAKBE2021

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Bellman & Symfon Asia Ltd.

1401-06, Main Tower, GD Int'l Bldg
339 Huanshi Dong Rd
Guangzhou, China, 510095
Phone: +86 20 8318 2950
Fax: +86 20 8333 5528
E-mail: info.cn@bellman.com

Canadian compliance statement

IC: 6693A-BE2021

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This Class B digital apparatus complies with the Canadian ICES-003.

Bluetooth® certified

This device includes a Bluetooth module which has passed the BQB certificate. The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc., and any use of such marks by Bellman & Symfon is under licenses.

国家无线电管理委员会认证 (SRRC)

CMIIT ID: 2019DJ9374

Bellman & Symfon North America Inc.

5509 Business Dr, Unit B
Wilmington, NC 28405
Unites States
Phone: +1 (910) 239 5796
Toll-free: + (833) 235 5626
E-mail: support.bsn@bellman.com



DESIGN FOR EARS™



Manufacturer

Bellman & Symfon Group AB
Södra Långebergsgatan 30
436 32 Askim Sweden
Phone: +46 31 68 28 20
E-mail: info@bellman.com
bellman.com



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