

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

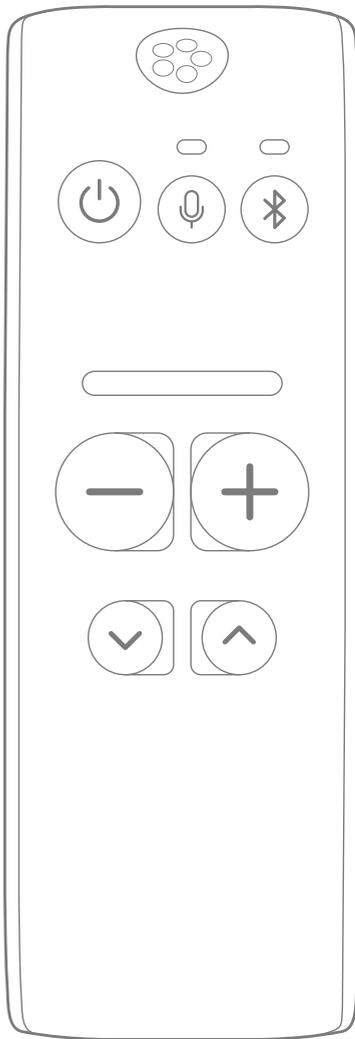


The symbol to the left means that according to local laws and regulations your product should be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities.

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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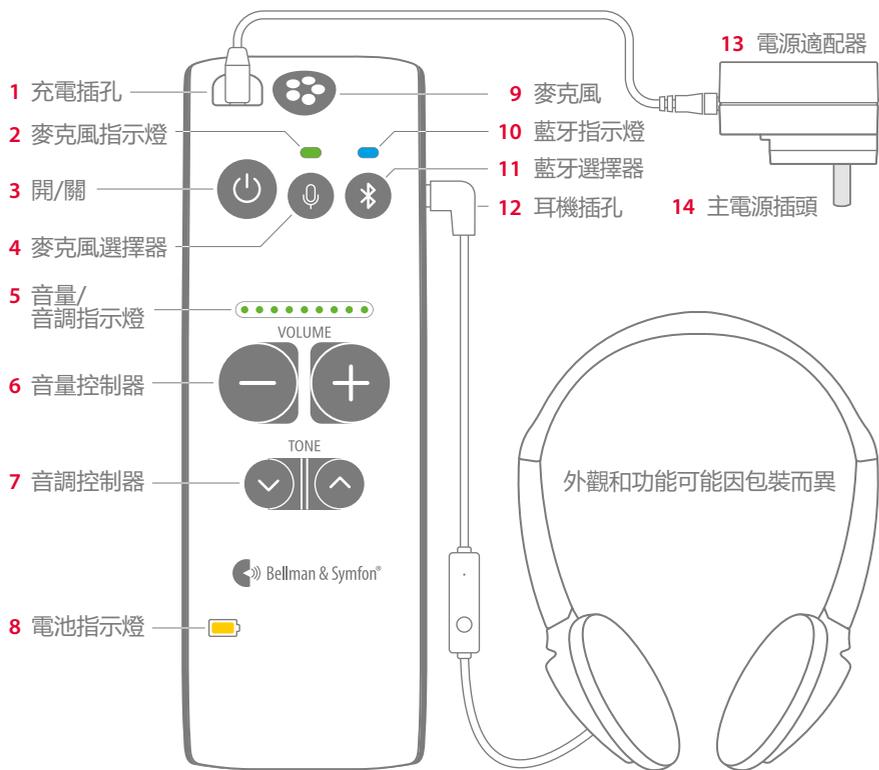
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概述



關於 Maxi Pro

Maxi Pro 是一款數字型語音擴大器，可洪亮、清晰地放大人語聲。當你在餐廳就餐、使用手機和收看電視時，可以使用 Maxi Pro 增強語音效果。

開始操作

第 1 步：對 Maxi Pro 充電

- 1 將充電線連接至電源適配器(13)和 Maxi Pro 的黃色充電插孔 (1) 處。
- 2 將主電源插頭 (14) 連接至電源適配器

(13)，檢查是否正確鎖定，然後將其連接至電源插座。

- 3 充電時，電池指示燈(8)閃爍綠色。在大約 3 小時後，將持續亮起綠燈，這表明 Maxi Pro 已完全充好電。

第 2 步：連接 Maxi Pro

將附帶的頭戴式耳機、入耳式耳塞或環頸圈連接至 Maxi Pro 的綠色耳機插孔 (12) 處。

第 3 步：啟動 Maxi Pro

按下開/關按鈕(3)大約 1 秒鐘啟動 Maxi Pro。

麥克風指示燈 (2) 亮起綠燈，音量/音調指示燈 (5) 顯示當前音量 3 秒鐘。

如要關閉 Maxi Pro，請按住開/關 按鈕 (3) 大約 3 秒鐘，直至所有指示燈熄滅。

使用 Maxi Pro 增強語音

Maxi Pro 配有一台可增強語音效果的內置全向麥克風(9)。可將 Maxi Pro 放置在講話人附近的桌面上，手持或者使用夾子將其夾在衣服上。

調節音量

使用音量控制器 (6) 上的 + 增加音量，使用 - 減小音量。可分 9 個級別調節麥克風音量，分 15 個級別調節電視機與手機音量。聲級在音量/音調指示燈 (5) 上顯示。

注意：每次打開 Maxi Pro 時，將音量調低，以免出現令人不適的音量。

調節音調

按下音調控制器 (7) 上的 ^ 提高高音，按下 v 降低高音。可分 5 個級別調節高音，音調在音量/音調指示燈 (5) 上顯示。

注意：增加高音使得 S、F 和 T 發音聽起來更加明顯，更容易辨認。

使用 Maxi Pro 與手機連接

配對

- 1 通過按下麥克風按鍵 (4) 來確保 Maxi 工作在麥克風模式。
- 2 按住 Maxi Pro 藍牙選擇器 (11)，直至藍牙指示器 (10) 閃爍藍燈。
- 3 確保手機上的藍牙開啟。打開藍牙菜單，並在清單中選擇 "Maxi Pro"。

- 4 藍牙指示燈將持續顯示藍色，這表明配對成功。

注意：您的手機與 Maxi Pro 斷開連接時，您可能需要重複 3、4 步驟。

接聽電話

- 1 當手機鈴聲響起時，Maxi Pro 指示燈 (10) 將閃爍藍色。其他所有聲音將保持靜音，您將會聽到耳機內的響鈴信號。
- 2 如要接聽電話，按下 Maxi Pro 的藍牙選擇器 (11) 或者使用耳機上的遙控裝置。此時，您將會在耳機內更好地聽到來電聲音，您的聲音將由 Maxi Pro 麥克風或耳機上的遠端麥克風拾取。
- 3 如要拒絕來電，按住 Maxi Pro 藍牙選擇器。

注意：如要拒絕來電，按住 Maxi Pro 藍牙選擇器 3 秒。

打電話

當你用電話通話時，你從耳機裡面聽到被放大的對方的聲音，你的聲音將會被 Maxi 麥克風拾取。

播放音樂

在手機上播放音樂，按下 Maxi Pro 藍牙選擇器可收聽到音樂，如果還連著另外的藍牙設備，需要再按一下。

使用耳機的麥克風

當您使用耳機通話時，將從耳機遠端麥克風拾取聲音。

使用 Maxi Pro 收聽電視

要聽電視上播放的聲音，你需要一個 Maxi Pro TV streamer，請看另外一份的 TV Streamer 的使用說明書。

收聽電視機聲音

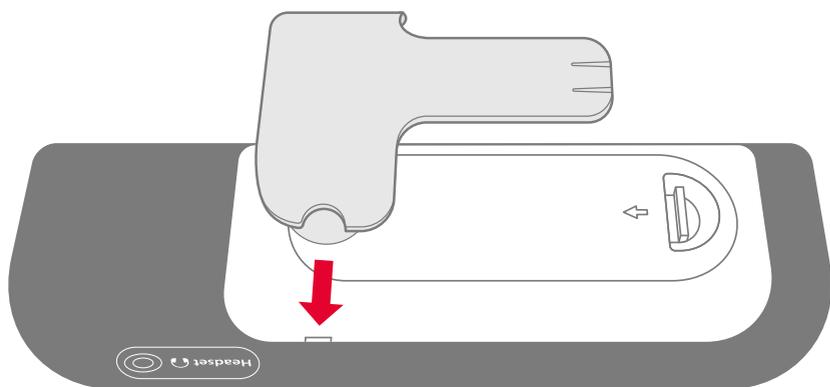
在手機上播放音樂，按下 Maxi Pro 藍牙選擇器可收聽到音樂，如果還連著另外的藍牙設備，需要再按一下。

注意：如果在觀看節目時有電話呼入，則電視機的聲音將會靜音，這樣您可以清晰聽到來電者的聲音。

掛斷電話時，電視機的聲音將自動恢復。

自動重連

Maxi Pro 將會在它在有效連接範圍內自動重連到你的TV streamer，所以你可以帶著 Maxi Pro 去拜訪家人和朋友而免去重新配對的麻煩。



保養與維護

使用產品

注意：Maxi Pro 能夠產生很大的聲壓，請小心使用，請逐漸增大音量到一個比較舒適的聲音。在高聲壓情況下，容易損壞你的聽力。

請確保一些小部件遠離兒童。

請在0-35攝氏度的乾燥環境中使用本產品。

電池與充電

Maxi Pro 配備最長可持續 70 小時的內置充電電池。當電池指示燈 (8) 開始閃爍紅燈時，應及時為電池充電，請見對 Maxi Pro 充電。

連接夾子

如要連接夾子，將夾子頂靠背蓋，然後用力按壓直至其鎖定。如要拆下夾子，將圓形手柄從滑塊中拉出。

清潔

使用一塊柔軟的無絨布清潔產品。避免機器受潮。請勿使用化學物品清潔。

保養與質保

如果產品出現損壞跡象或者無法正常工作，請遵循本手冊中的使用說明。如果產品依舊無法正常運行，請聯繫您當地的經銷商，了解保養與質保信息。

故障排除

可通過執行下方建議快速解決大多數問題。

問題	解決方法
我無法透過藍牙讓設備配對	<ul style="list-style-type: none">透過按壓麥克風選擇器，確保您的 Maxi 已處於麥克風模式 (4)。請按照配對章節中的以下步驟嘗試重新配對設備。
按下開關鍵沒有反應	<ul style="list-style-type: none">電池電量耗盡。對 Maxi Pro 充電，請見對 Maxi Pro 充電。
Maxi Pro 電池指示燈閃爍紅燈	<ul style="list-style-type: none">電池電量低。對 Maxi Pro 充電，請見對 Maxi Pro 充電。
在開機狀態下，耳機沒有聲音	<ul style="list-style-type: none">首先，確保音量達到要求的水平。然後檢查耳機插頭是否正確連接到Maxi耳機插孔 (12)。按下 Maxi Pro 音量控制器 (12) 上的 + 提高音量。將耳機連接至另外一台設備 (例如：智能手機)，然後檢查是否聽到任何聲音。否則，可能需要更換耳機。如果選擇藍牙模式，應確保電視伴侶或手機在範圍內、已配對播放聲音。
耳機無法聽到手機的聲音	<ul style="list-style-type: none">確保手機上的藍牙開啟，並且與 Maxi Pro 配對，請見使用 Maxi Pro 與手機連接章節中的配對。
耳機未聽到電視機的聲音	<ul style="list-style-type: none">確保電視伴侶在範圍內並且與 Maxi Pro 配對，請見使用 Maxi Pro 收聽電視章節中的配對。
Maxi 的音量即使調到最大了，還很小聲	<ul style="list-style-type: none">試着增大電視或者手機的輸出音量。
耳機上聽到尖銳噪音	<ul style="list-style-type: none">降低音量或者增加 Maxi Pro 與耳機之間距離。將 Maxi Pro 內置麥克風 (9) 對準其他方向。
Maxi Pro 沒有反應/死機	<ul style="list-style-type: none">按下開/關按鈕 (3) 大約 10 秒鐘關閉 Maxi Pro。按下開/關按鈕大約 1 秒鐘再次啟動 Maxi Pro。

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)

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

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)

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.

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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

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DESIGN FOR EARS™



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