

Hi-Res
Analogue
Digital



EAhibrid

Battery Linear Power Supply

PureDC-B1

Manual V2.1 (2025)

For more information
Please visit our website
eahibrid.com



Intro

For the art and music in streaming! PureDC-B1 is a battery linear power supply. With Li-ion 2170 battery pack and audiophile-grade design, here's wishing you many happy hours of pleasure for rediscovering the art and music in the streaming!

Please read the user manual before using the product

1. IMPORTANT SAFETY INFO

- **WARNING:** To reduce the risk of fire, electric shock or enclosure discoloration, be sure that the apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed near or on the apparatus.
- **IMPORTANT NOTE:** Always switch off when connecting or disconnecting the PureDC-B1 power supply.
 - Please recharge PureDC-B1 every three months to protect the battery.
 - Do not allow any objects to get into the enclosure. If the unit is exposed to moisture, or a foreign object gets into the enclosure, immediately disconnect the power cord from the wall outlet. Take the unit to a qualified service person for inspection and necessary repairs.
 - Read all the instructions before connecting or operating the component. Keep this manual so you can refer to these safety instructions. Heed all warnings and safety information in these instructions. Follow all operating instructions.
 - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
 - When a PureDC-B1 is used, use caution when moving the PureDC-B1/apparatus combination to avoid injury from tip-over.
 - Do not place the unit on a bed, sofa, rug, carpet, or similar surface that could block the heatsink airflow. If the component is placed in a bookcase or cabinet, there must be ventilation of the cabinet to allow proper cooling. Keep the PureDC-B1 away from radiators, kettles, heat registers, stoves, or any other appliance that produces heat.
 - The safest and primary method of isolating the device from the mains supply is to disconnect the mains plug.
 - Unplug PureDC-B1 during lightning storms.
 - Do not attempt to defeat grounding and/or polarization provisions. Do not route the power cord where it will be crushed, pinched, bent at severe angles, exposed to heat, or damaged in any way. Pay particular attention to the power cord at the plug and where it exits the back of the unit.
 - Immediately unplug and stop using the component and have it inspected and/or serviced by a qualified service agency if:
 - The power supply cord or plugs have been damaged.
 - Objects have fallen or liquid has been spilled into the unit.
 - The unit has been exposed to rain.
 - The unit shows signs of improper operation.

2. BOX CONTENT

- PureDC-B1
- Adapter 16.8V 2A (charging)
- DC cable both jacks with 5.5/2.5 mm or 5.5/2.1 mm DC jack
- Manual

3. DEVICE FEATURES

- Regulated output voltage 12V/9V current up to 4A continuous, 10A peak
- 5V current up to 1A continuous, 1.5A peak. (5V works with 12V / 9V)

4. Overview

4.1 Front Panel Overview

A) Power Level Indicator :

- **LED Blue** : 90% capacity
- **LED Green** : 20%~90% capacity
- **LED Red** : below 20% capacity (PureDC-B1 will cut the output off when LED is red in “Pure Play Mode” , please switch to “Unlimited Play Mode”)

B) Charging Indicator :

- **LED off** : not charging
- **LED Orange** : charging

C) [Pure Play Mode] / [Unlimited Play Mode] switch

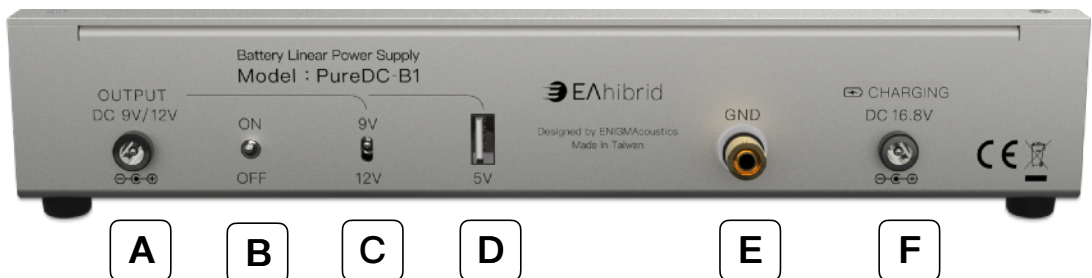
- up : **Pure Play Mode** – off the AC, no charging
- down : **Unlimited Play Mode** – Smart Power Management, cutting the AC noise with the special buffer and isolations design, even when playing and charging at the same time



4. Overview

4.2 Back Panel Overview

- A) **DC OUTPUT 5.5*2.5mm** : here you connect the DC cable
- B) **Main Power Switch** : ON / OFF
- C) **DC OUTPUT voltage switch** : here you can choose output voltage for 9V or 12V (please check your devices again before using)
- D) **DC OUTPUT 5V USB port** : here you can use this output voltage port for 5V, and it can be used at the same time with output voltage for 9V or 12V
- E) **GND** : Ground
- F) **DC INPUT 5.5*2.1mm** : 16.8V/2A, this is a custom made adapter for PureDC–B1, please do not use other adapter to protect battery pack



4.3 Turning on your PureDC–B1 for the first time

- Check your device's voltage and polarity that PureDC–B1 proposes are correct.
- Make sure that all cables are correctly connected to the PureDC–B1 and powered device. Then use the Main Power Switch to start the PureDC–B1.
- Above parameters should be set according to the recommendations of the manufacturer of the device you want to power! EAhibrid refuses every liability for damage to equipment due to an incorrect connected DC output voltage.

5. TECHNICAL SPEC

- DC OUTPUT : 9V / 12V + 5V
- 9V / 12V Max Continuous Output Current 4A, peak 10A
- 5V(USB) Max Continuous Output Current 1.0A, peak 1.5A
- DC INPUT : 16.8V / 2A (charging)
- Size : W276 mm x L245 mm x H50 mm
- Weight : 2.55 kg

6. WARRANTY

- Each individual PureDC-B1 undergoes comprehensive quality control and a complete test before shipping.
- PureDC-B1 warranted by EAhibrid to the owner against defects in workmanship and materials used in manufacture for a period of 1 years from the date of purchase.
- Proof of purchase in the form of a bill of sale or received invoice, which is evidence that this product is within the warranty period, must be presented to obtain warranty service. This warranty is void and inapplicable if the factory applied Serial Number has been altered or defaced from this product. Faults due to customer misuse, unauthorized modifications or accidents are not covered by this warranty.
- Please pack the product very carefully, preferable in the original packing, to be sure no damage can be done during shipment.
- EAhibrid is not responsible for accessories, items left in the packaging and the box in which the device has arrived for service. EAhibrid reserves the right to use a replacement box if necessary.

7. CONTACT EAhibrid

- In case of questions or suggestions regarding its form or contents, please contact us via our support system available on our website:
<https://www.eahibrid.com/>

8. WARNING

- To ensure your safety and minimize the risk of personal injuries and property damage, please observe the following precautions:
- This equipment is not a toy. Please keep it away from children. Do not let children use or play with this equipment so as to avoid accidents.
- Make sure you use a power supply that complies with the local safety standards when charging this equipment, so as to prevent electric shocks or damage to the equipment.

- Do not expose this equipment to pressure, impact, strong vibrations, or liquids. Any of these occurrences may lead to a short circuit or cause damage to the electrical circuit. When this happens, stop using the equipment immediately, and dispose of it properly.
- Do not charge or discharge this equipment in places where its heat dissipation may be affected, such as on a bed or sofa. Make sure that the equipment is not covered by clothing, pillows, bedding, or other miscellaneous items during this process.
- Do not disassemble, or expose this equipment to pressure, impact, strong vibrations, liquids, fire, and other heat sources such as stoves, heaters, or environments with ambient temperatures higher than 60°C (140°F).
- When it is hot, do not leave this equipment in a car or other place that is exposed to direct sunlight.
- Do not open its casing under any circumstance to avoid equipment damage or safety hazards.
- INFORMATION ON DISPOSAL FOR USERS OF WASTE ELECTRICAL & ELECTRONIC EQUIPMENT (PRIVATE HOUSEHOLDS):

The Wheelie Bin symbol on the products and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste. Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment. To properly dispose of harmful substances and recycle the product, the user is obliged to return it at the point of collection of electrical and electronic equipment waste. For more information please contact your local authorities, waste disposal units or retailers.



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Battery Linear Power Supply 電池供電 線性電源

PureDC-B1

Manual 使用手冊 v2.1 (2025)

關於產品的最新資訊與應用
請至右方的官方網站參閱

EAhibrid.com



Intro 產品介紹

感謝您選擇來自 EA Hybrid 的 PureDC-B1。這是一款電池供電的線性電源供應器，具有 Hi-End 級的穩壓與調聲輸出，讓您可重新體驗深藏於串流數據中的感動細節與藝術性。

使用產品前，請詳閱此使用手冊

1. 重要安全資訊

- **警告：**為降低火災、電擊或外殼變色的風險，請確保放置設備的地點不會滴水或濺水，且不讓有液體的物件(例如花瓶、飲料等)置放在本設備附近或上方。
- **重要說明：**連接或斷開 PureDC-B1 接線時，請關閉電源 (後面板主電源開關切至 OFF)。
 - 請勿自行打開外殼、勿讓任何物體進入機殼內部。如果設備受潮或異物進入機殼內，請立即拔除所有連接電源線，關閉電源 (後面板主電源開關切至 OFF)，將設備交給合格的維修人員進行檢查和必要的維修。
 - 在連接或操作組件之前，請閱讀所有說明。務必保留本手冊，以便您可以參考這些安全說明。請注意說明中所有的警告和安全信息，並遵循所有操作說明。
 - 清潔前，請拔除所有連接電源線(包含 DC INPUT 與 DC OUPUT)，關閉電源(後面板主電源開關切至 OFF)。請使用濕布清潔，不要使用液體清潔劑或氣溶膠清潔劑。
 - 使用時本設備時請勿暴露在壓力、衝擊、強烈振動或液體中，並避免翻倒、摔落，前述的任何情況都可能導致短路或損壞電路。當發生情況時，請立即停止使用本設備，並妥善處理。
 - 請勿將本設備放置在床、沙發、地毯、地毯或可能妨礙散熱對流的類似表面上。如本設備放置在書櫃或櫃子中，則櫃子必須通風，讓 PureDC-B1H 得以進行適當的冷卻。保持 PureDC-B1H 遠離散熱器、水壺、熱調節器、爐子或任何其他產生熱量的設備。天氣炎熱時，請勿將本設備留在車內或其他受陽光直射的地方。
 - 連接本設備 CHARGING DC INPUT 之電源變壓器充電時，請確保使用符合當地安全標準的電源設備，以免觸電或損壞設備。
 - 將本設備與電源隔離的最安全的方法是拔除所有連接電源線(包含 DC INPUT 與 DC OUPUT)，關閉電源 (後面板主電源開關切至 OFF)。
 - 在雷雨期間或長時間不使用時，請拔下本設備 DC INPUT 電源變壓器連接線並關閉電源 (後面板主電源開關切至 OFF)。
 - 不要試圖破壞接地和 / 或極化規定。請勿將電源線佈置在會被擠壓、擠壓、嚴重彎曲、受熱或以任何方式損壞的地方。請特別注意插頭處的電源線以及它從設備背面引出的位置。
 - 如出現以下情況，請立即斷開連接線並停止使用，讓合格的服務機構進行檢查和 / 或維修：
 - 電源線或插頭已損壞。
 - 物體掉落或液體濺入設備。
 - 本機被雨淋。
 - 設備出現操作不當的跡象。

2. 內容物

- PureDC-B1
- 電源變壓器 16.8V/2A (電池充電用)
- 雙頭 5.5*2.5/5.5*2.1mm通用 DC直流電源線
- 使用手冊

3. 裝置特性

- 穩壓輸出 12V / 9V，持續輸出電流可達4A，瞬間輸出可達10A
- 穩壓輸出 5V，持續輸出電流可達1.0A，瞬間輸出可達1.5A (可與 12V / 9V 同時使用)

4. 開始使用

4.1 前面板概覽

A) 電量指示：

- **LED燈 藍綠色**：90%以上電量
- **LED燈 綠色**：20%~90%電量
- **LED燈 紅色**：低電量警示 (20%以下電量) (若使用「純電池供電播放模式」至LED燈轉紅色警示，則本機隨時會進入保護模式不供電，此時需切換至「同時充電與供電的無限播放模式」)

B) 充電狀態指示燈：

- **LED燈 未亮起**：無充電狀態
- **LED燈 橘紅色**：充電中

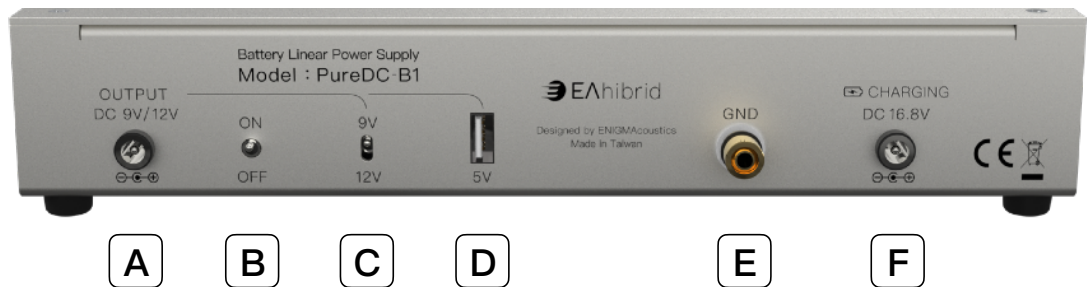
C) 「純電池供電播放模式」 / 「同時充電與供電的無限播放模式」 切換開關

- **上方 (三角形播放符號)**：純電池播放，斷開AC市電、本設備不充電
- **下方 (兩個三角形組成的無限播放符號)**：同時充電與供電，特別設計電源隔離緩衝、智慧電池保護與充電管理，充電AC干擾幾乎不可聞，給不關機的路由器、交換器等器材持續供電使用



4.2 後面板概覽

- A) **DC輸出 9V或12V 切換開關** (5.5*2.5mm)：在這裡連接DC電源線給後端使用的設備
- B) **主電源開關**：ON 開 / OFF 關
- C) **DC輸出之9V/12V電壓切換開關**：在這裡可選擇 9V 或 12V 的輸出電壓（擇一使用）
- D) **DC輸出 5V電壓 USB接口**：這個輸出電壓接口為5V，可以與輸出電壓為 9V 或 12V 同時使用。
- E) **GND 接地端子**：如果您有妥善且安全的接地設備，請嘗試將此連上接地裝置（相關接地線與接地裝置請自備）
- F) **電池充電輸入** (5.5*2.1mm)：請務必使用本機隨附的電源變壓器(16.8V/2A)



4.3 第一次使用 PureDC-B1

請注意請檢查連接設備的電壓和極性，可正確符合 PureDC-B1 提供的5V、9V或12V 輸出電壓設定與功能

確保所有電纜都正確連接到 PureDC-B1 端子和受電設備，再使用主電源開關啟動 PureDC-B1H

以上參數應根據您要供電的設備製造商的建議進行設置！

EAhibrid 拒絕對因連接不正確的直流輸出電壓，或連接錯誤而導致的設備損壞承擔任何責任。

5. 技術規格

- 輸出電壓 DC OUTPUT：9V / 12V + 5V
- 9V / 12V 最大連續輸出電流：4A 連續輸出，10A 最大衝擊電流
- 5V(USB) 最大連續輸出電流：1.0A 連續輸出，1.5A 最大衝擊電流
- 充電輸入電壓 DC INPUT：16.8V / 2A
- 尺寸（不含旋鈕、支腳和連接器）：W276 mm x L245 mm x H50 mm
- 淨重：2.55公斤

6. 產品保固

- 每個 PureDC-B1 在發貨前都經過全面的品質管制，以及完整的測試。
- PureDC-B1 自購買之日起提供一年保固期限。
- 銷售單據或發票等購買證明，是本產品在保固期內的證據，必須出示前述證明，才能獲得保固服務。
- 請保留本設備機殼螺絲上的透明保固貼紙勿撕除，請保留工廠應用的序號勿從本設備上更改或污損，若有違反前述事項則保固無效。
- 因客戶端錯誤操作或連接器材、未經授權的修改、或意外事故造成的故障損害，不在本保固範圍內。
- 如需運送時請謹慎地包裝產品，最好使用原始包裝，以確保在運輸過程中不會造成損壞。
- EAhibrid 不對配件、留在包裝中的物品，與設備送達維修的盒子負責保固。
- EAhibrid 保留在必要時使用替換盒的權利。

7. 聯絡我們

- 如果對此設備有任何疑問或建議，請透過我們的網站與我們聯繫 eahibrid.com
- EAhibrid 品牌/國際業務：音格瑪混合動聲有限公司 / Paul 黃 0939-180-658
- EAhibrid 保固/維修：瑞澤科技股份有限公司 / 02-8227-8821

8. 廢棄電氣和電子設備（私人家庭）用戶的處置信息

- 正確處置本產品將有助於環保資源，防止對健康和環境產生任何潛在的負面影響
- 為妥善處理有害物質和回收產品，用戶有義務在電子設備廢物收集點將其退回
- 如需更多信息，請聯繫當地政府、廢物處理單位、或經銷商
- 產品和 / 或隨附文件上的 Wheelie Bin 符號表示：
「用過的電子產品『不應』與一般生活垃圾混合」。





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