

Hi-Res  
Analogue  
Digital



EAhibrid

Battery Linear Power Supply

# PureDC-B1

Manual V1.1

For more information  
Please visit our website  
[eahibrid.com](http://eahibrid.com)



## Intro

For the art and music in streaming! PureDC-B1 is a battery linear power supply. With TESLA 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 2.5A 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

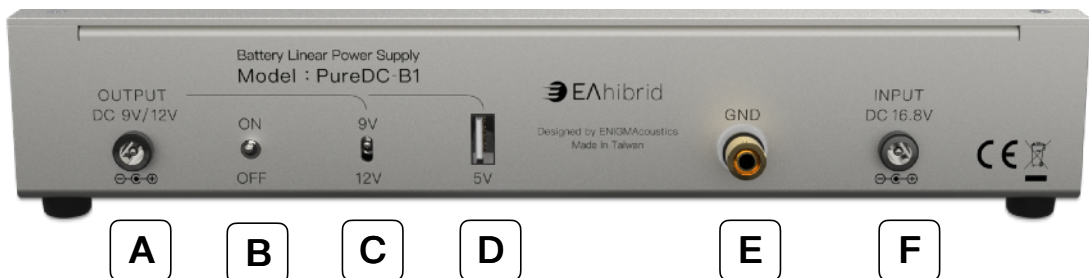


## 4. Overview

### 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

note : our DC connector(female) is tight and slightly shallow to fit most of DC(male) connectors



### 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 2.5A, 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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