

# AC-100 100W V-Mount AC Adaptor



## Instruction Manual

IDX thanks you for choosing the AC-100 AC Adaptor and is sure that you will benefit from its unique features. The AC-100 is a 100W V-Mount Camera AC Adaptor with IDX Power Base Function and 4 Pin XLR DC Output. Please use this instruction manual to best maximize and safely use your AC-100. If you have any additional questions, please contact the appropriate IDX office or visit our website [www.idx.tv](http://www.idx.tv)

### Features

- V-Mount camera mountable.
- DC power output : 14.5V (regulated) / 100W max.
- DC Power output can be drawn directly via V-Mount or XLR Connector.
- Power Base Function\* either on or off the camera, when AC feed is not available or fails.
- Lightweight and robust.
- Universal voltage input : AC100~240V

\***Power Base Function** : IDX's Power Base Function allows the use of the AC-100 as a totally portable and AC free regulated power source for use when AC feed is not available or fails. Up to two ENDURA batteries (PowerLink) can be connected at one time providing high capacity mobile power and DC back up.

### Specifications

- Input : AC100~240V 50/60Hz
- Operating Temperature : 0~40°C
- Power Consumption : 130VA / 100V 127VA / 240V
- DC Output Capacity : 100W (14.5V / 6.9A)
- \*Actual battery capacity and voltage when in Power Base Function
- DC Output Voltage : 14.5V
- \*Actual battery capacity and voltage when in Power Base Function
- Operating Humidity Range : 30%~80% RH
- Protection Function : Over-voltage Protection, Over-current Protection, Temperature Protection
- Dimensions : 100(W)×195.5(H)×71.5(D) mm  
3.96(W)×7.82(H)×2.86(D) inch
- Weight : Approx. 850 g / Approx. 1.87 lbs

### Compatible Batteries for Power Base Function

All IDX ENDURA System Li-ion batteries.  
\*When using battery power, operating times will vary depending on the power consumption of equipment to be powered and the condition of the battery. Please note that the AC-100 does not have a built-in battery remaining capacity alarm.

### Protection Function

#### <Over-voltage / current Protection>

The AC-100 has built in DC output voltage regulation. DC out via V-Mount and XLR connection is regulated at 14.5V Max. If over-voltage / current is detected the protection function automatically operates and power output is stopped. To reset the AC-100 disconnect AC power for approx. 1 minute and reconnect.

#### <Temperature Protection>

When the internal temperature reaches 50°C or above, the cooling fan is activated, when temperature returns to 45°C or below, the fan stops. If the internal temperature reaches 90°C or above, DC output is stopped. To reset, disconnect and leave to cool.

### Power Output Priority with LED Status

If AC supply and battery are connected together, power is always drawn from AC supply. Battery DC supply is only used when AC supply is disconnected or fails.

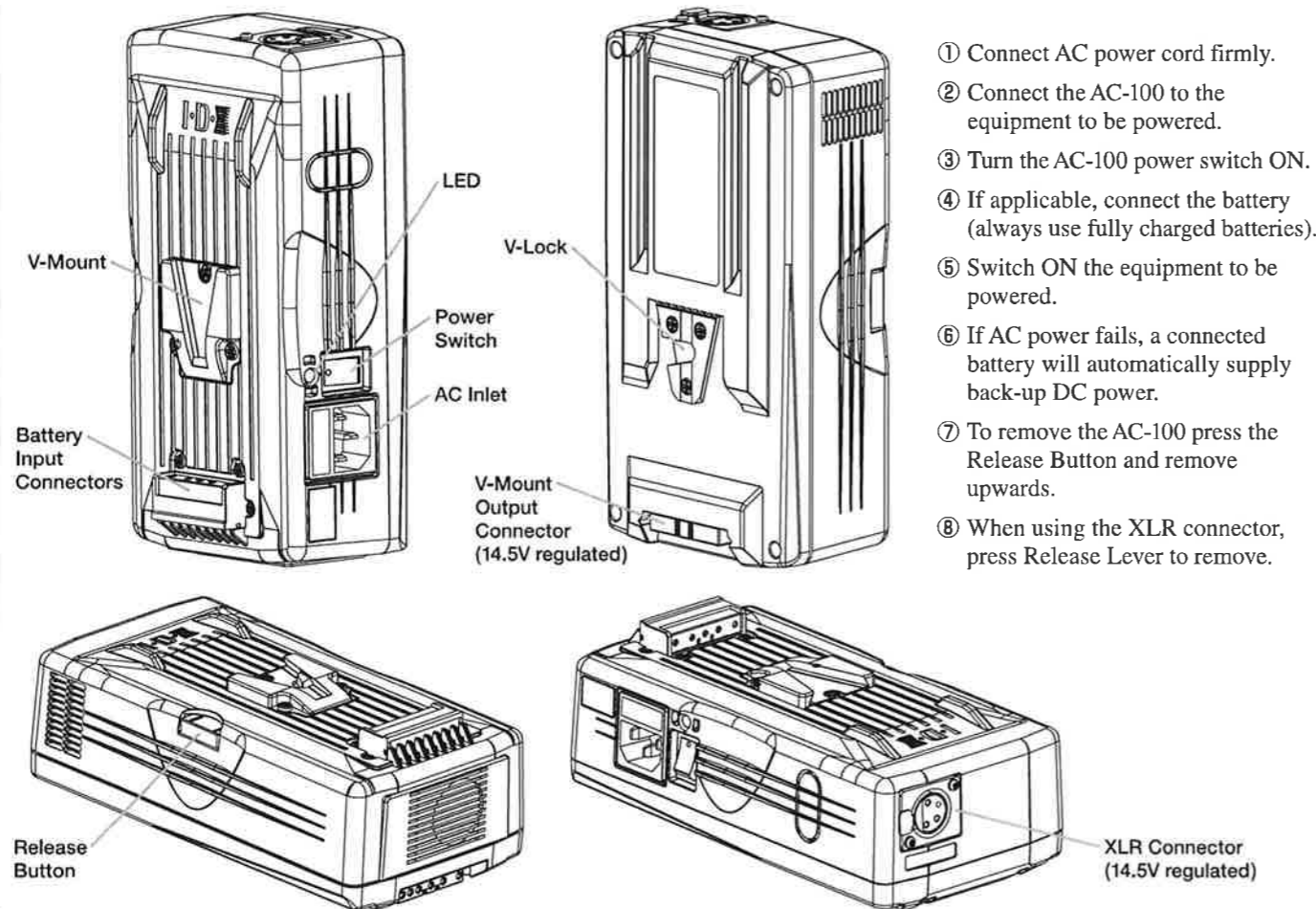
AC Adaptor	Battery	Output	LED Display
Input	Not connected	AC Adaptor	Solid Green
Input	Connected	AC Adaptor	Solid Amber
No Input	Connected	Battery	Solid Red

### General Notes and Safety

- Do not connect the AC-100 to any V-Mount Charger.
- Do not attempt to open or modify this unit. All work should be carried out by IDX authorized service personnel only.
- When connecting a battery, AC cable or DC cable, be sure to connect firmly. If a firm connection is not made power supply may be interrupted.
- When in use do not place anything on the AC-100 and do not block ventilation holes. Use in a well ventilated area.
- Do not expose to, use or place the unit in direct sunlight, extreme dust, water or other hazardous environments.
- A short between the plus (+) and minus (-) charge pins may cause fire, electric shock or other incidents.
- In case of an abnormal smell, leak, colour change or case deformity during use turn the power off and unplug the cable from the socket to avoid possible injury.
- Only use the AC cable included with the AC-100 or ones specified. If fused, confirm the fuse rating capacity before use.
- For continued protection replace any fuses with specified type and rating.
- In case of fault or service, please contact your IDX dealer or appropriate IDX office.
- The connectors are consumable supplies.  
The AC-100 might not discharge normally, in case the terminal being deformed, worn away, or corroded due to long-term use. Please carry out the periodic check and if you find some problems on terminal (ex. Deformation and so on), please stop using AC-100 and send it for repair to renew the terminal.

### Operating Instructions

Confirm the specifications (input voltage and power consumption) of equipment to be powered, and if applicable, battery capacity before use.



### Terminals

