Before operating the unit, please read this manual thoroughly and retain for future reference.

Important Safety Instructions
- Keep these instructions.
- All warnings and all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not use near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Only use attachments/accessories specified by the manufacturer.
- Use the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Overview/Features
The HED-485D Battery Pack uses Lithium-ion Battery Cells. Use the HED-485D Battery Pack only with equipment whose Operation Manual/Operating instructions recommends its use.

Caution on charging
- The battery pack can be charged within a temperature range of 5°C to 40°C (41°F to 104°F), however, we recommend charging within a temperature range of 10°C to 30°C (50°F to 86°F) to ensure optimum battery performance.
- The battery discharges naturally over time. To prolong the life of the product, it is recommended that you fully charge the battery pack before using it. For details on the charging procedure, refer to the Operation Manual/Operating instructions supplied with your battery charger.
- The battery pack may become warm in use or white being charged. This is normal.

You can use SONY original charger or HEDBOX Dual Channel charger RC-D350 with charger plate RP-D86PU to charge the HED-485D Battery Pack.

Caution on storage
- Never expose the battery pack to rain or moisture.
- Keep away from children.
- Never expose the battery pack to temperatures above 60°C (140°F). Store the battery pack in dry place at temperatures between 0°C to 30°C (32°F to 86°F).
- If the battery is not to be stored for a short period (approximately more than 24 hours and a month or less), discharge the battery pack to 90% of its full capacity to prevent deterioration of battery pack's internal cells.
- When storing the battery pack for an extended period (more than a month), it is recommended that you discharge the battery pack to about 50% of its full capacity.

Caution if the battery terminals are contaminated by battery fluid, use a soft cloth to wipe off the fluid from the terminals.

WARNING
- Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

Battery life
- Battery life may be shortened due to storage or operation in high temperatures, storage with its full capacity, and frequent use.
- Renew the battery pack when the operating time with a completely charged battery pack becomes shorter than usual or all LEDs flash green because the self-diagnosis function has detected the end of battery life. If a Battery pack becomes empty, all LEDs may not light when the CHECK button is pressed just after charging is completed.

Self-diagnosis function
- When an abnormality is detected, all the LEDs flash in red. If this happens, stop using the battery pack immediately. Once the LEDs start flashing, the battery pack cannot be recharged.

To the purchasers of the HED-485D Lithium-ion Battery Pack
The HED-485D Lithium-ion Battery Pack has a rated capacity of less than 100 Wh. It can thus be transported as a non-hazardous lithium-ion battery. For detailed conditions regarding the transport of battery packs, please consult your respective air transport company.
- When an excessive current flow is caused by overloading or short circuit, the following cycle will be repeated.
- When the voltage drops to 11V or lower and results in the cessation of current output.
- Once the protection circuit has tripped, the battery pack will not return to normal automatically. To cancel the effect of the protection circuit, you must charge the battery pack with charger dedicated to the lithium-ion battery packs.

To the customers in Europe
This product with the CE marking complies with the EMC Directive issued by the Commission of the European Community. Compliance with this directive implies conformity to the following European standards:
- EN55022-1: Electromagnetic Interference (Emission)
- EN55022-2: Electromagnetic Susceptibility (Immunity)

This product is intended for use in the following Electro magnetic Environments:
- E1 (residential):
- E2 (commercial and light industrial),
- E3 (urban outdoor),
- E4 (controlled EMC environment, ex: TV studio).

To the customers in the USA
This Class B digital apparatus complies with Canadian ICES-003.

For the customers in Canada
This Class B digital apparatus complies with Canadian ICES-003.

For the customers in the U.S.
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.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate the equipment.

Warning
- Never open the battery pack terminals.
- Never attempt to open the battery pack.
- Avoid mechanical shock.
- Please consult the store where you purchased this battery pack or your sales representative before using the battery pack in a product whose Operation Manual/Operating instructions does not explicitly state that the battery pack can be used, or before using the battery pack in conjunction with another power supply. In appropriate use of the battery pack may result in unit overheating.
- The internal impedance of the battery pack increases as the temperature drops to 5°C (41°F) or below. This may result in a shorter operating time of the failure of the component to which it is connected to turn on. This phenomenon occurs more frequently in battery packs that have been charged many times than in new ones.
- The operating time and performance of the battery pack may drop under cold conditions. When this happens, do the following to extend the operating time of the battery pack.
- Charge the battery pack only with HEDBOX charger model RP-D350 or any other model dedicated to the HED-485D within a temperature range of 10°C to 30°C (50°F to 86°F).
- Large discharge amount may expedite deterioration of battery pack's internal cells. To prevent this, use the HED-485D with discharge amount of about 3.5 times.
- The maximum discharge amount is 3.5 A for the HED-485D at 21°C (73°F).

If you wish to know more about HEDBOX Products please visit our website: www.hed-box.com