

Battery charger

Chargeur de Batterie

Operating Instructions

Mode d'emploi

使用説明書

Owner's Record

The model and serial numbers are located on the bottom. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. **BC-TRA**

Serial No. _____

BC-TRA

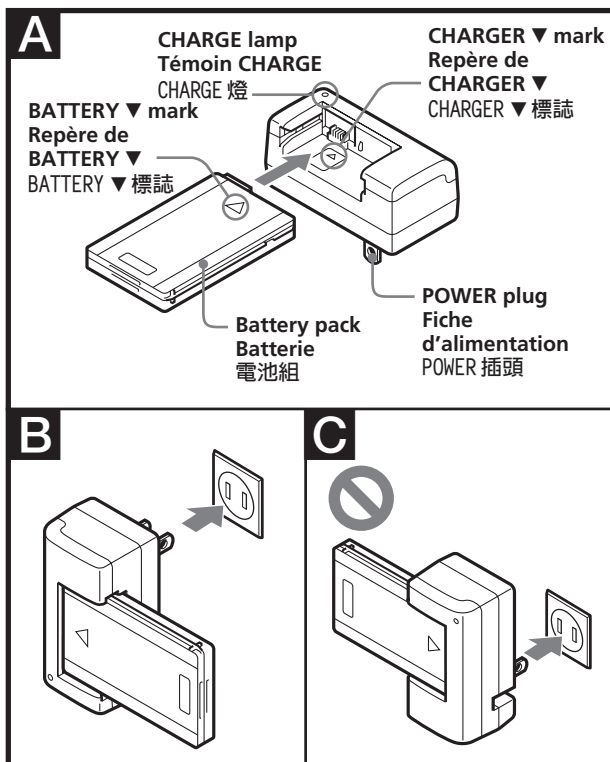


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- The BC-TRA battery charger can only be used to charge a lithium ion type "InfoLITHIUM" battery pack (A series).
- This unit cannot be used to charge a nickel cadmium type or nickel metal hydride type battery pack.
- "InfoLITHIUM" A series battery pack has the mark.
- "InfoLITHIUM" is a trademark of Sony Corporation.

- Le chargeur de batterie BC-TRA ne peut être utilisé que pour la recharge de batteries au lithium-ion de type « InfoLITHIUM » (série A).
- Ce chargeur ne peut pas être utilisé pour charger les batteries au nickel-cadmium ou aux hydrures métalliques de nickel.
- Les batteries rechargeables « InfoLITHIUM » de série A portent la marque .
- « InfoLITHIUM » est une marque de fabrique de Sony Corporation.

- BC-TRA 電池充電器只能用於對鋰離子 "InfoLITHIUM" 電池組 (A 系列) 充電。
- 本裝置不能用於鎳鎘或鎳氫電池組。
- "InfoLITHIUM" (A 系列) 電池組有 標誌。
- "InfoLITHIUM" 是 Sony 公司的商標。



Warranty for Recorded Content

Contents of the recording cannot be compensated if recording or playback is not made due to a malfunction of the battery pack, battery charger, etc.

Garantie concernant l'enregistrement

Aucune compensation ne peut être accordée si l'enregistrement ou la lecture n'a pas pu être effectué en raison d'un problème de batterie, de chargeur, etc.

所錄內容的保證

如果是因為電池組、電池充電器等故障而不能記錄或播放時，記錄內容概不能獲保證。

<http://www.sony.net/>

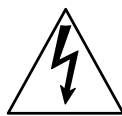
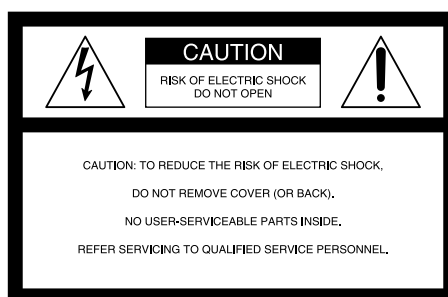


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WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

The graphical symbols with supplemental marking is located on side surface of the unit.

CAUTION

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

This power unit is intended to be correctly orientated in a vertical or floor mount position.

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.

Notes on Use

Precautions on Use

- Connect the battery charger to an available wall outlet. Even though the CHARGE lamp of this battery charger is off, it is not disconnected from the power source. If any trouble occurs while the unit is in use, unplug the battery charger from the wall outlet to disconnect the power source.
- Do not use the battery charger placed in a narrow space, such as between a wall and furniture.
- This unit cannot be used to charge a nickel cadmium type, or nickel metal hydride type battery pack.
- Attach the battery pack to the unit firmly when you charge the battery pack.
- The battery terminal may be damaged if the battery pack is not attached correctly.
- To protect the battery pack, remove the battery pack from the unit within 24 hours after the charging is completed.
- Do not expose the battery charger to any shock or force such as by hammering, dropping or stepping on it.
- Keep the unit away from a TV or AM receivers. In particular, noise from the device may enter a TV or radio if it is placed nearby.
- Unplug the unit from the wall outlet after use. Pull the unit out by the battery charger. Do not pull it out by the battery pack.
- Be sure that nothing metallic comes into contact with the metal parts of the unit. If it does, a short may occur and the unit may be damaged.

Where not to place this unit

Regardless of whether this unit is in use or in storage, do not place it in any of the following locations. Doing so may lead to breakdown.

- Locations of extremely high temperature
The temperature gets extremely high inside a car with the windows closed in summer or in strong sunshine, and leaving the unit inside may cause it to be deformed or break down.
- In direct sunlight or near a heater
There is a risk of deformation or breakdown.
- Locations of excessive vibration
- Locations with strong electromagnetism or radiant rays
- Locations with excessive sand
In locations such as the seashore and other sandy areas or where dust clouds occur, protect the unit from sand and dust. There is a risk of breakdown.

Maintenance

- Wipe the unit with a soft dry cloth when it is dirty.

- If the unit is very dirty, wipe it using a cloth with a little neutral solvent added, and then wipe it dry again.
- Do not use thinners, benzene, alcohol, etc., as they will damage the surface of the unit.
- When you use chemical cleaning clothes, refer to their instruction manual.
- Using a volatile solvent like an insecticide, or keeping the unit touching a rubber or vinyl plastic product for a long time may cause a deterioration or damage to the unit.

To Charge the Battery Pack

Charging by attaching the battery pack to this unit.

1 Attach the battery pack. (See Illustration A)

Align the battery ▼ mark with the charger ▼ mark and insert the battery in the direction of the arrow until it clicks into place.

2 Pull the power plug up, and then connect it to a wall outlet. (See Illustration B)

The CHARGE lamp (orange) will light up and charging will begin.

When the CHARGE lamp goes out, normal charging is completed (**Normal charge**).

For a full charge, which allows you to use the battery longer than usual, leave the battery pack in place for approximately another one hour (**Full charge**).

Do not connect the power plug of this unit with the prong of the plug at the bottom. (See Illustration C)

To remove the battery pack

Slide the battery out in the opposite direction to when it was fitted.

Charging time

The following table shows the charging time for a battery pack that is discharged completely.

Battery Pack	NP-FA50	NP-FA70
Full charging time	185	275
Normal charging time	(125)	(215)

- Approximate number of minutes to fully charge an empty battery pack (Full charging time).
- Numbers in parentheses indicate the time to charge normally (Normal charging time).
- To ascertain the battery life, refer to the instruction manual of the camera that you use.
- The charging time may differ depending on the condition of the battery pack or the temperature of the environment.

Charging temperature

The temperature range for charging is 0 °C to +40 °C (+32 °F to +104 °F). However, to provide maximum battery efficiency, the recommended temperature range when charging is +10 °C to +30 °C (+50 °F to +86 °F).

To use the battery pack quickly

You can remove the battery pack from the unit and use it even though the charging is not completed yet. However, the time that the battery pack can be used differs depending on the charging time.

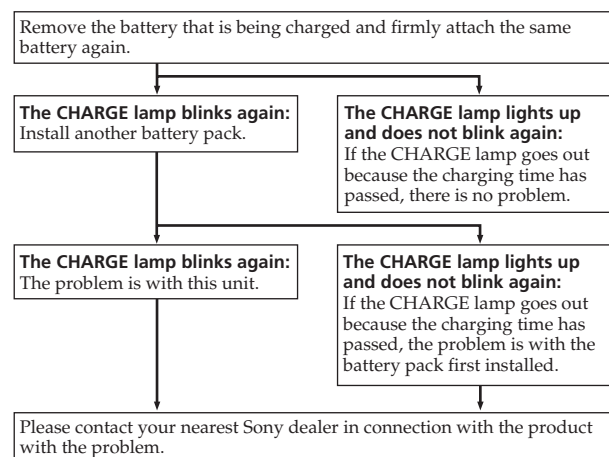
Notes

- Check if the battery pack is attached to this unit firmly when the CHARGE lamp does not light.
- When a fully charged battery pack is installed, the CHARGE lamp will light up once, then go out.
- When charging a battery pack which has not been used for a long time, it may take longer than usual to charge.

Do not connect the battery charger to a voltage adaptor (travel converter) for overseas travel. This may result in overheating or other malfunction.

Troubleshooting

When the CHARGE lamp blinks, check through the following chart.



Specifications

Input rating	100 - 240 V AC 50/60 Hz 5 W
Output rating	Battery charge terminal: 8.4 V DC 350 mA
Operating temperature	0 °C to +40 °C (+32 °F to +104 °F)
Storage temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Dimensions	Approx. 42 × 37 × 75 mm (w/h/d) (1 11/16 × 1 1/2 × 3 in.)
Mass	Approx. 65 g (2.3 oz.)

Design and specifications are subject to change without notice.

