

Accessory Kit

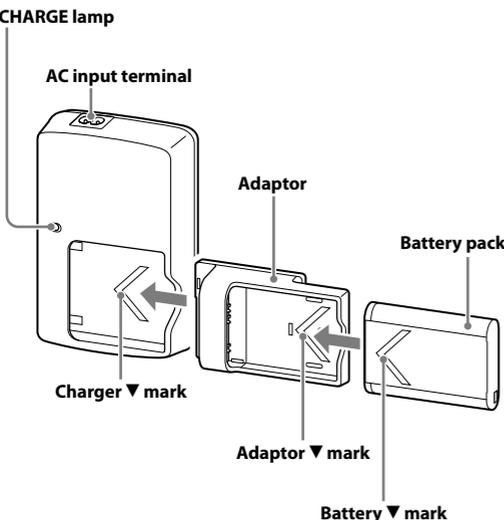
Operating Instructions



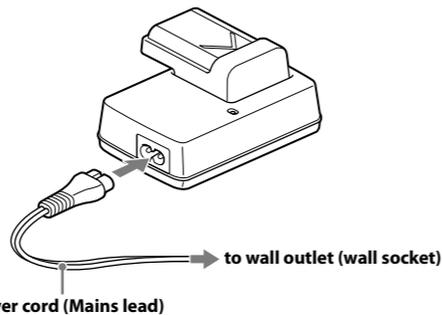
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ACC-CSNBX

A



B



The ACC-CSNBX comes with the following accessories:
ACC-CSNBX
 Rechargeable Battery Pack (NP-BX1) (1)
 Battery Charger (BC-CSN) (1)
 Adaptor (1)
 AC Power cord (mains lead) (1)
 Set of printed documentation

NP-BX1

Specifications

Maximum output voltage: DC 4.2 V / Nominal output voltage: DC 3.6 V / Capacity: 4.5 Wh (1,240 mAh) / Operating temperature: 0 °C to 40 °C / Dimensions: Approx. 29.9 mm × 9.2 mm × 42.7 mm (w/h/d) / Mass: Approx. 25 g

BC-CSN

Thank you for purchasing the Sony Battery charger.

Before operating this Battery charger, please read this manual thoroughly and retain it for future reference.

WARNING

To reduce fire or shock hazard, do not expose the unit to rain or moisture.
 Do not expose the batteries to excessive heat such as sunshine, fire or the like.
 To reduce the risk of fire or electric shock,
 1) do not expose the unit to rain or moisture.
 2) do not place objects filled with liquids, such as vases, on the apparatus.

CAUTION

- Use the nearby wall outlet (wall socket) when using this unit. Even when the CHARGE lamp of this unit is off, the power is not disconnected. If any trouble occurs while this unit is in use, unplug it from the wall outlet (wall socket) to disconnect the power.
- Do not use this unit in a narrow space such as between a wall and furniture.

PRECAUTION

The set is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet (wall socket), even if the set itself has been turned off.

The nameplate indicating operating voltage, power consumption, etc. is located on the bottom.

Notes on Use

This unit does not have dust-proof, splash-proof or water-proof specifications.

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.

Where not to place this unit

Do not place this unit in any of the following locations, whether it is in use or in storage. Doing so may lead to a malfunction.

- In direct sunlight such as on dashboards or near heating apparatus, as this unit may become deformed or malfunction
 - Where there is excessive vibration
 - Where there is strong electromagnetism or radiant rays
 - Where there is excessive sand
- In locations such as the seashore and other sandy areas or where dust clouds occur, protect this unit from sand and dust. There is a risk of malfunction.

Precautions on Use

- Attach the battery pack firmly to this unit when charging the battery pack.
- To protect the battery pack, remove it from this unit when charging is completed.
- Do not drop or apply mechanical shock to this unit.
- Keep this unit away from TVs or AM receivers. Noise from this unit may enter a TV or radio if placed nearby.
- Unplug this unit from the wall outlet (wall socket) after use. To disconnect the power cord (mains lead), pull it out by the plug. Never pull the power cord (mains lead) itself.
- Be sure that nothing metallic comes into contact with the metal parts of this unit. If it does, a short may occur and this unit may be damaged.
- Do not connect this unit to a voltage adaptor (travel converter) for overseas travel. This may result in overheating or another malfunction.
- The battery pack and this unit can become warm during or immediately after recharging.

Maintenance

- If this unit gets dirty, wipe it using a soft dry cloth.
- If this unit gets very dirty, wipe it using a cloth with a little neutral solvent added, and then wipe it dry.
- Do not use thinners, benzine, alcohol, etc., as they will damage the surface of this unit.
- When you use a chemical cleaning cloth, refer to its instruction manual.
- Using a volatile solvent such as an insecticide or keeping this unit in contact with a rubber or vinyl product for a long time may cause deterioration or damage to this unit.

To Charge the Battery Pack

1 Attach the battery pack and the adaptor to the charger.

Keeping the battery mark ▼ in the same direction as the adaptor mark ▼, insert the battery pack into the adaptor until it clicks into place. Then insert the adaptor into the charger in the same way. (See illustration **A**).

2 Connect the power cord (mains lead) to this unit and then to a wall outlet (wall socket) (See Illustration **B**).

The CHARGE lamp (orange) lights up and charging begins.

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

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

To remove the battery pack

Slightly push the battery pack in the direction of its mark ▼, lift the end of the battery pack to release it from the adapter's clamp, then slide the battery pack from the adapter. Remove the adapter from the charger in the same way.

Charging time

Battery pack	NP-BX1
Normal charging time (Approx.)	330 min

- For more about the battery life, see the instruction manual of your camera.
- The charging time may differ depending on the condition of the battery pack or the ambient temperature.
- The times shown are for charging an empty battery pack, which has been run down with a camera, using this unit at an ambient temperature of 25 °C.

Charging temperature

The temperature range for charging is 0 °C to 40 °C. For maximum battery efficiency, the recommended temperature range when charging is 10 °C to 30 °C.

To use the battery pack quickly

You can remove the battery pack from this unit and use it even if charging is not completed. However, the charging time affects the time that the battery pack can be used.

Notes

- If the CHARGE lamp does not light up, check if the battery pack is firmly attached to this unit.
- When a fully charged battery pack is installed, the CHARGE lamp lights up once and then goes out.
- A battery pack that has not been used for a long time may take longer than usual to charge.
- The charged battery pack gradually discharges even if you do not use it. Charge the battery pack before use to avoid missing any recording opportunities.
- The Battery Charger BC-CSN included in this kit is also able to charge NP-BN1.

This unit supports worldwide voltages 100 V to 240 V. Do not use an electronic voltage transformer, as this may cause a malfunction.

Troubleshooting

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

The CHARGE lamp blinks in two ways.

Blinks slowly: Turns on and off repeatedly every 1.5 seconds
 Blinks quickly: Turns on and off repeatedly every 0.15 seconds
 The action to be taken depends on the way the CHARGE lamp blinks.

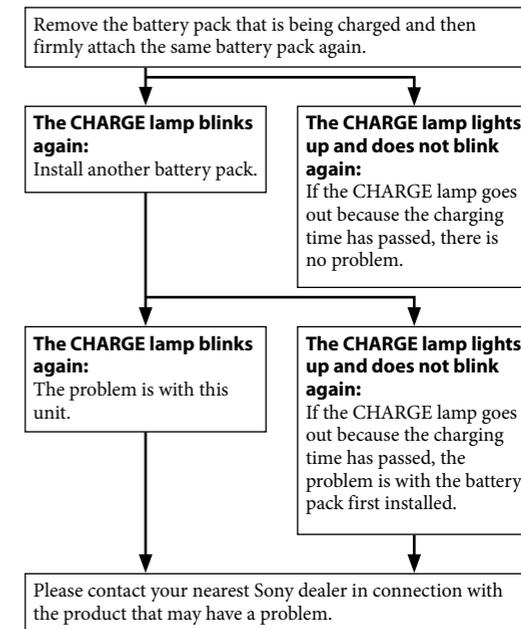
When the CHARGE lamp keeps blinking slowly

Charging is pausing. This unit is in the standby state. If the room temperature is out of the appropriate temperature range, charging stops automatically. When the room temperature returns to the appropriate range, the CHARGE lamp lights up and charging restarts. We recommend charging the battery pack at 10 °C to 30 °C.

When the CHARGE lamp keeps blinking quickly

When charging the battery pack for the first time in one of the following situations, the CHARGE lamp may blink quickly.
 If this happens, remove the battery pack from this unit, reattach it and charge it again.
 ① When the battery pack is left for a long time
 ② When the battery pack is left installed in the camera for a long time
 ③ Immediately after purchase

If the CHARGE lamp keeps blinking quickly, check through the following chart.



Specifications

Input rating	100 V - 240 V AC 50 Hz/60 Hz
	4 VA - 7 VA 2 W
Output rating	Battery charge terminal: 4.2 V DC0.25 A
Operating temperature	0 °C to 40 °C
Storage temperature	-20 °C to +60 °C
Dimensions (Approx.)	55 mm × 83 mm × 23.5 mm (w/h/d)
Mass	Approx. 52 g

Design and specifications are subject to change without notice.