



AC Adaptor/Charger Adaptateur secteur/ chargeur

Operating Instructions Mode d'emploi



AC-VQ900AM

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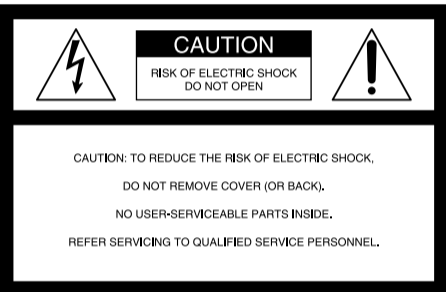
Owner's Record

The model and serial numbers are located on the bottom of the unit. 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. AC- Serial No.

WARNING

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



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.

CAUTION

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

NOTICE FOR THE CUSTOMERS IN THE U.S.A AND CANADA

The Graphical Symbols with Supplemental Marking is located on the bottom of the unit.

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.

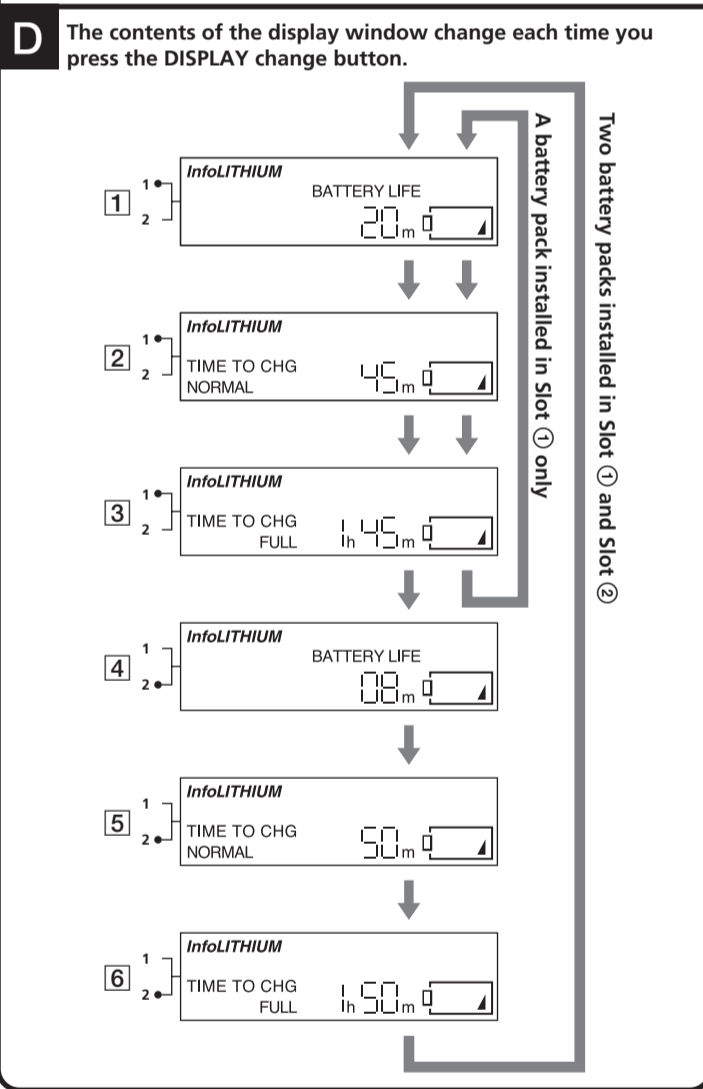
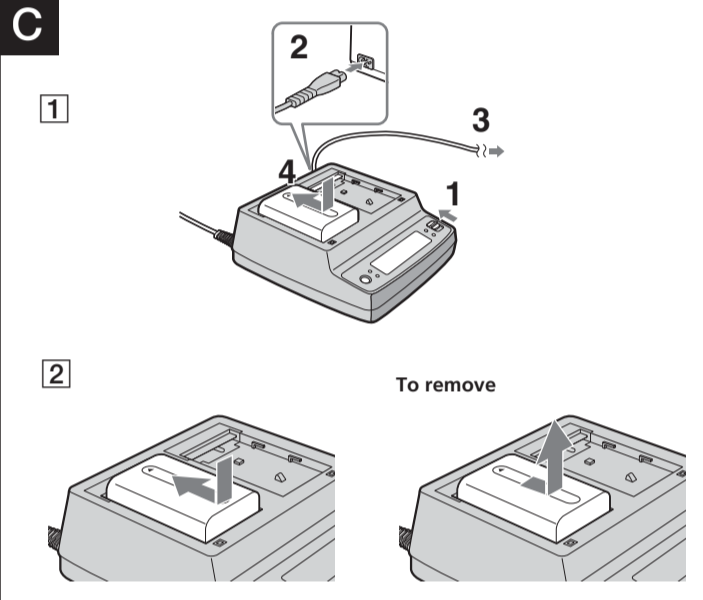
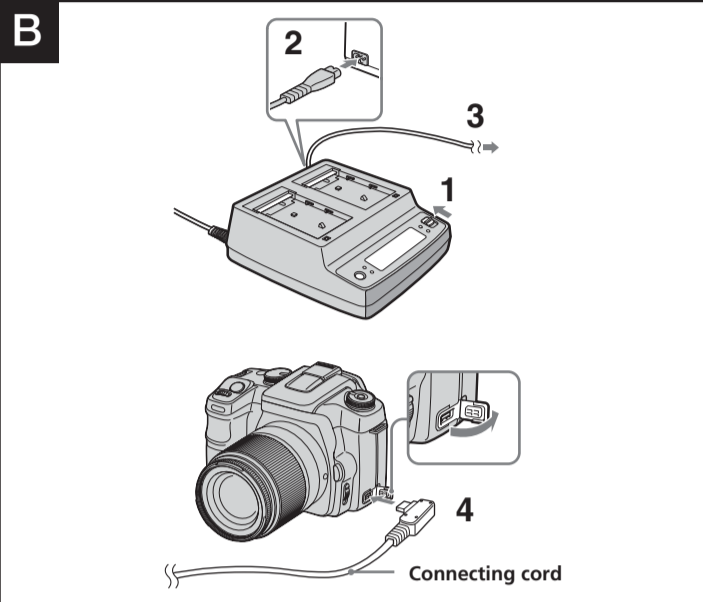
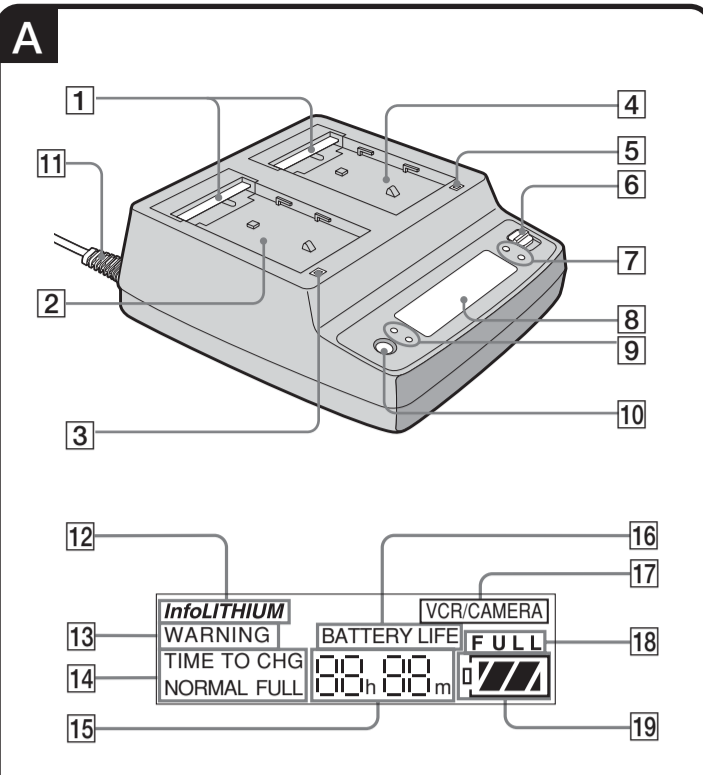
Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.

NOTICE FOR THE CUSTOMERS IN THE UNITED KINGDOM

A moulded plug complying with BS 1363 is fitted to this equipment for your safety and convenience.

Should the fuse in the plug supplied need to be replaced, a fuse of the same rating as the supplied one and approved by ASTA or BSI to BS1362 (i.e., marked with Ⓣ or Ⓢ mark) must be used.

If the plug supplied with this equipment has a detachable fuse cover, be sure to attach the fuse cover after you change the fuse. Never use the plug without the fuse cover. If you should lose the fuse cover, please contact your nearest Sony service station.



English

Thank you for purchasing the Sony AC Adaptor/Charger. Before operating the unit, please read this manual thoroughly and retain it for future reference.

The AC-VQ900AM AC Adaptor/Charger can be used as follows:

This unit can be used as an AC adaptor or a battery charger with the supplied AC Power cord connected to a wall outlet. Operates Sony equipment (digital single lens reflex cameras, etc.) Charges Sony rechargeable battery packs (M series)

This unit has the following functions when used with "InfoLITHIUM" battery packs: Enables quick charging (Quick charging is faster than normal charging, such as with a battery charger supplied with a camera.) Displays approximate Remaining time and Battery life.

Use only lithium ion type battery packs. This unit cannot be used to charge Ni-Cd or Ni-MH type battery packs. This unit may not be compatible with some equipment (digital single lens reflex cameras, etc.) Check your equipment before use.

WARNING

To reduce 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.

The AC Power cord must only be changed at a qualified service shop. CAUTION: Replace the battery with the specified type only. Otherwise, fire or injury may result.

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

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems) This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment.

Notes on Use

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

Charging

- Designed for use with compatible Sony batteries. Only charge recommended battery packs with this unit.

Compensation for Recorded Content: We will not provide compensation for a failure to record or play back images, sound or other content due to a malfunction of the battery pack, AC adaptor/charger.

Charging temperature: To provide maximum battery efficiency, the recommended temperature range when charging is 10 °C to 30 °C (50 °F to 86 °F). This unit complies with quick charging, but charging outside the recommended temperature range will lead to longer charging times in order to protect the battery pack.

Others

- Do not place the unit in a location where it is: Extremely hot or cold. Placing this unit in locations subject to the direct sunlight such as on dashboards or near heating apparatus may cause this unit to deform or malfunction. Dusty or dirty. In locations such as the seashore and other sandy areas or where dust clouds occur, protect the unit from sand and dust. There is risk of shock due to down. Vibrating. Charge the battery pack on a flat surface without vibration. Do not use the unit placed in a narrow space, such as between a wall and furniture. Attach the battery pack firmly. The battery terminal may be damaged if the battery pack is not attached correctly. Do not use this unit in a place with strong radio waves or radiation. Images may not be recorded or played back correctly. To protect the battery pack, remove the battery pack from the unit as soon as the charging is completed. Do not apply mechanical shock or drop the unit. 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. Use this unit near to a wall outlet. This is to ensure that the power plug can be immediately unplugged from the wall outlet to turn the power off if some abnormality occurs during use.

If any difficulty should arise, unplug the unit and contact your nearest Sony dealer.

Identifying the parts

- Terminal shutter
Slot 1
CHARGE lamp 1
Slot 2
CHARGE lamp 2
Mode change switch
CHARGE mode lamp
Display window
Slot indicator lamp
DISPLAY change button
Connecting cord

- Display window
InfoLITHIUM indicator
WARNING indicator
TIME TO CHG (charge) indicator
Time indicator
BATTERY LIFE (battery remaining time) indicator
VCR/CAMERA indicator
Full charge indicator
Battery life indicator

Using the unit as an AC Adaptor

For details of the connection, refer to the operating instructions of the camera.

- Set the mode change switch to VCR/CAMERA.
Connect the AC Power cord to this unit.
Connect the AC Power cord to a wall outlet.
Connect the connecting cord to the camera.

- Notes
If you set the mode change switch to CHARGE while operating the camera, the power supply to the camera stops.
You cannot charge the battery pack attached to this unit if you set the mode change switch to VCR/CAMERA.
Keep this unit away from the equipment you are using if the picture is disturbed.
The connecting cord may not be compatible with some equipment. Check your equipment before use.
The illustrated example is of connection to a DSLR-A100 digital single lens reflex camera.

To Charge the Battery Pack

- Set the mode change switch to CHARGE.
Connect the AC Power cord to this unit.
Connect the AC Power cord to a wall outlet. There is a beep and the display window comes on.
Install the battery pack. Charging begins. When the battery life indicator becomes full and the CHARGE lamp lights up, normal charge is completed. The QUICK MODE lamp lights up during quick charging. For a full charge, which allows you to use the battery slightly longer than a "normal charge", leave the battery pack installed until the battery life indicator becomes full and the CHARGE lamp goes out. Remove the battery pack when required. It can be used even if charging is not completed.
When charging is complete, remove the battery pack.
Installing two battery packs simultaneously: This unit allows installation of two battery packs simultaneously. Charging starts with the battery pack installed in Slot 1. When two battery packs are installed but not simultaneously, charging starts with the battery pack installed first regardless of whether it is in Slot 1 or 2.

Note: This unit cannot charge two battery packs simultaneously. To install the battery pack: Place the battery pack on this unit with the mark facing the terminal shutter. Slide the battery pack in the direction of the arrow. Press the battery pack until the terminal shutter completely enters the unit.

To remove the battery pack

Slide the battery pack in the direction of the arrow and lift it straight out.

- Notes
Do not lift the unit by holding the battery pack.
When installing the battery pack, be sure not to hit it against the terminal shutter.
Be careful not to pinch your fingers while installing or removing the battery pack.

Charging time

The following table shows the charging time for a main battery pack that has been completely discharged.

Table with columns: Charge Type, NP-FM500H Time, Note. Rows: Normal charge (70 min), Full charge (130 min). Note: *The NP-FM500H does not support SuperQuick (SQ) charging.

- For how to check the battery life, refer to the instruction manual of your video equipment.
The charging time may differ depending on the condition of the battery pack or the ambient temperature.
The approximate times shown are when charging an empty battery pack with this unit at 25 °C (77 °F).
Approximate minutes to charge an empty battery pack fully (Full charge).
Approximate minutes in parentheses indicate the time when you charge normally (Normal charge).
To ascertain the battery life, refer to the instruction manual of the video equipment which you use.
Notes:
When the mode change switch is set to VCR/CAMERA during charging, charging stops.
If the CHARGE lamp does not light or flash, check that the battery pack is correctly attached to the AC adaptor/charger. If it is not attached it will not be charged.
Quick charging is only performed with "InfoLITHIUM" battery packs.
If anything goes wrong during charging, the charge lamp blinks and "WARNING" appears on the display. For details, see "Troubleshooting".

To Check Charging

This unit shows the remaining times until normal charge and full charge are complete in the display window. You can change the displayed information by pressing the DISPLAY change button.

Press DISPLAY while charging is underway. After attaching a battery pack, wait for about 1 min. Each time you press DISPLAY, the slot indicator lamp lights up and the display in the display window changes to the display shown below. When two battery packs are attached simultaneously, the time display of the battery pack not being charged will automatically return to the time display of the battery pack being charged after about 10 seconds.

- Battery life if the first installed battery pack is installed in your "InfoLITHIUM" electronic equipment. The battery life is not displayed if it is less than five minutes.
Remaining time until normal charging of the first installed battery pack is complete. The normal charge time is not displayed after normal charging is complete.
Remaining time until full charging of the first installed battery pack is complete. The full charge time is not displayed after full charging is complete.
Battery life if the last installed battery pack is installed in your "InfoLITHIUM" electronic equipment. The battery life is not displayed if it is less than five minutes.
Remaining time until normal charging of the last installed battery pack is complete. The normal charge time is not displayed after normal charging is complete.
Remaining time until full charging of the last installed battery pack is complete. The full charge time is not displayed after full charging is complete.

The battery life indicates the remaining time of each battery pack if installed in the same equipment (camcorder, etc.) in which it was used prior to recharging. With a digital single lens reflex camera, the battery remaining time varies considerably depending on the shooting method. Take the battery remaining time as a guide to the amount of charge in the battery pack. For details, refer to "InfoLITHIUM" battery packs and SuperQuick (SQ) charging.

Notes

- No value is indicated for a new battery pack that has not yet been fitted to any equipment. The display shows "----". Attach the new battery pack to your digital single lens reflex camera etc. and use for about 20 seconds before charging with this unit.
The time display shows the approximate time when charging at 25 °C (77 °F). The time display may differ from the actual charging time depending on the environment of use. The time may not be displayed depending on the condition of the battery pack. This is not a malfunction.
It may take a while for the time to appear after DISPLAY is pressed.
It may take a while for the time to appear with a battery pack that has not been charged.
When you attach a fully charged battery pack to this unit, "TIME TO CHG FULL 1h" may appear on the display. This is not a malfunction.
The displayed time may differ from the actual time in the following cases. This is not a malfunction.
If the battery pack is removed between normal charge and full charge. (Full charge requires about one hour after normal charge is complete.)
If charging a battery pack that has not been used for a long time. (Fully charge the battery pack.)

Troubleshooting

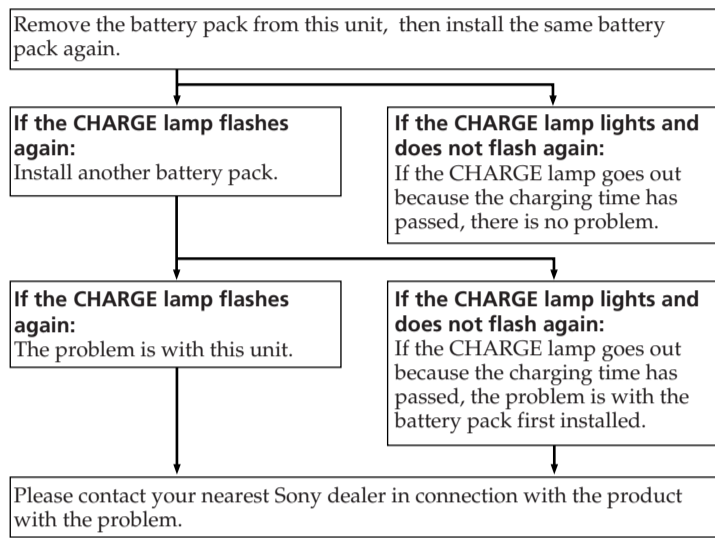
Table with columns: Symptom, Cause/Solution. Row 1: Digital Single Lens Reflex Camera does not work. Cause: Power plug is disconnected from the wall outlet. Solution: Insert into the wall outlet. Row 2: The battery is not charged. Cause: Mode change switch is set to VCR/CAMERA. Solution: Set the mode change switch to CHARGE.

Table with columns: Symptom, Cause/Solution. Row 1: Power immediately turns off even though there is sufficient battery life. Cause: Battery life will be correctly displayed. Solution: Fully charge again. Row 2: The display is not switched. Solution: Refer to "About the battery life".

The rapid charging or SuperQuick (SQ) Charge is not performed. The display shown below may appear if a battery pack is charged outside of the recommended charging temperature range of 10 °C to 30 °C (50 °F to 86 °F). In this case, charging can be performed, but it will not be performed with quick charging or SuperQuick (SQ) Charge to protect the battery pack.



The CHARGE lamp blinks, and "WARNING" is displayed in the display window. Check through the following chart.



"InfoLITHIUM" battery packs and SuperQuick (SQ) charging

This unit supports "InfoLITHIUM" battery packs (M series). The unit's function of displaying the battery life is available when using in combination with "InfoLITHIUM" compatible equipment (mainly camcorders). Battery packs marked "SQ" also support SuperQuick charging, which is faster than normal or quick charging.

What is the "InfoLITHIUM" ?

The "InfoLITHIUM" is a lithium ion battery pack which can exchange data with compatible electronic equipment about its battery consumption. Sony recommends that you use the "InfoLITHIUM" battery pack (M series) with electronic equipment having the InfoLITHIUM logo.

What is SuperQuick (SQ) Charge?

SuperQuick (SQ) Charge is the general name of a quick charging feature and power system. The combination of the "InfoLITHIUM" batteries having the SQ or SQ mark and their corresponding devices realizes this feature. SuperQuick (SQ) Charge provides a vast reduction in the charging time in comparison to conventional quick charging (or ordinary charging).

The charge mode lamp lights up as shown below in accordance with the charge mode.

- SuperQuick (SQ) Charge under way -> The "SQ MODE" lamp lights up.
Quick charging underway -> The "QUICK MODE" lamp lights up.
The charge mode lamp goes out when normal charge is completed.

About the battery life

While charging the battery pack, this unit will show the battery life with your video equipment, etc. on the following conditions. Using the "InfoLITHIUM" battery pack. Using the electronic equipment having the InfoLITHIUM mark. Make sure that you use the battery pack having the InfoLITHIUM mark. Consult the operating instructions supplied with your video equipment if it is applied to "InfoLITHIUM".

About one minute after charging starts, BATTERY LIFE appears on the display.

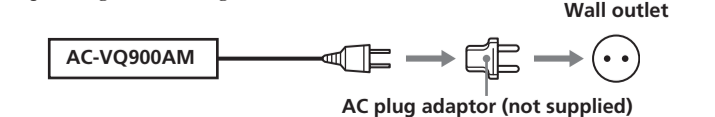
- While being used as a charger, this unit indicates the battery life if the battery pack being charged is used in your video equipment. This function is available when using "InfoLITHIUM" (M series) battery packs in combination with compatible equipment (mainly camcorders). Check that the battery pack has the InfoLITHIUM mark. Check in the operating instructions of your video equipment whether it is "InfoLITHIUM" compatible.
If the battery pack was fitted in a digital single lens reflex camera before charging, the display indicates the battery life if it were fitted in a camcorder with a power consumption equivalent to that of the digital single lens reflex camera. To display the battery life of a new battery pack, first attach it to your digital single lens reflex camera etc. and use it for about 20 seconds. Then charge the battery pack with this unit.
BATTERY LIFE appears on the display one minute after charging starts.
When using two or more "InfoLITHIUM" compatible video equipment units, the battery life indicated is that of the last unit to be fitted with a battery pack.
The displayed remaining time is the approximate time when recording via the viewfinder. The remaining time is shorter when using the LCD display.
The battery life may not be displayed with certain video equipment.
A battery life of less than five minutes is not displayed.
The time display may show "----" in the following cases. This is not a malfunction.
If the battery life is less than five minutes.
If the displayed time differs from the actual charging time. (Continue charging until fully charged.)
If the battery is not "InfoLITHIUM". (Battery life display and other functions are not available.)
If the battery pack has never been fitted to this unit before. (Attach the battery pack to your digital single lens reflex camera etc. and use for about 20 seconds before charging with this unit.)

Specifications

Table with columns: AC-VQ900AM, Input, Output, Operating temperature, Storage temperature, Dimensions, Mass, Included items. Output: 100 V ~ 240 V AC 50/60 Hz 33 W, 7.6 V DC 3.0 A (CAMERA), 8.4 V DC 2.9 A (BATT).

Design and specifications are subject to change without notice. is a trademark of Sony Corporation.

Use a commercially available AC plug adaptor (not supplied), if necessary, depending on the design of the wall outlet.



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

