

Marine Pack

Operating Instructions
Mode d'emploi
Manual de instrucciones
Gebruiksaanwijzing

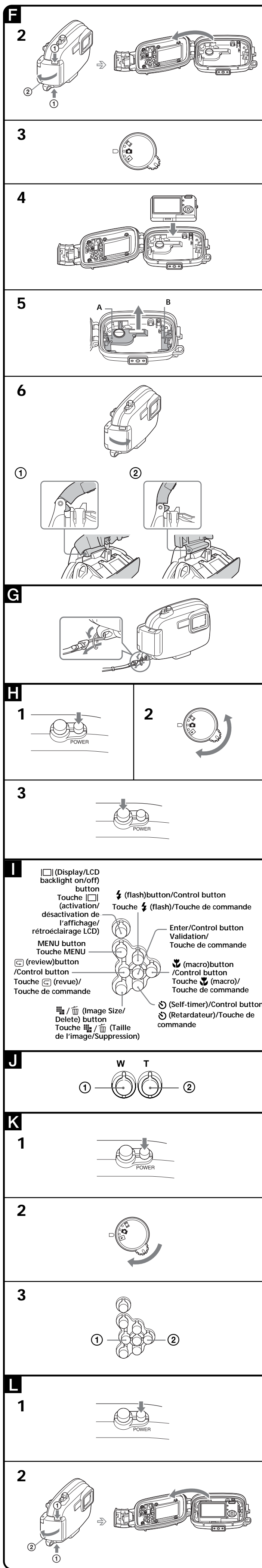
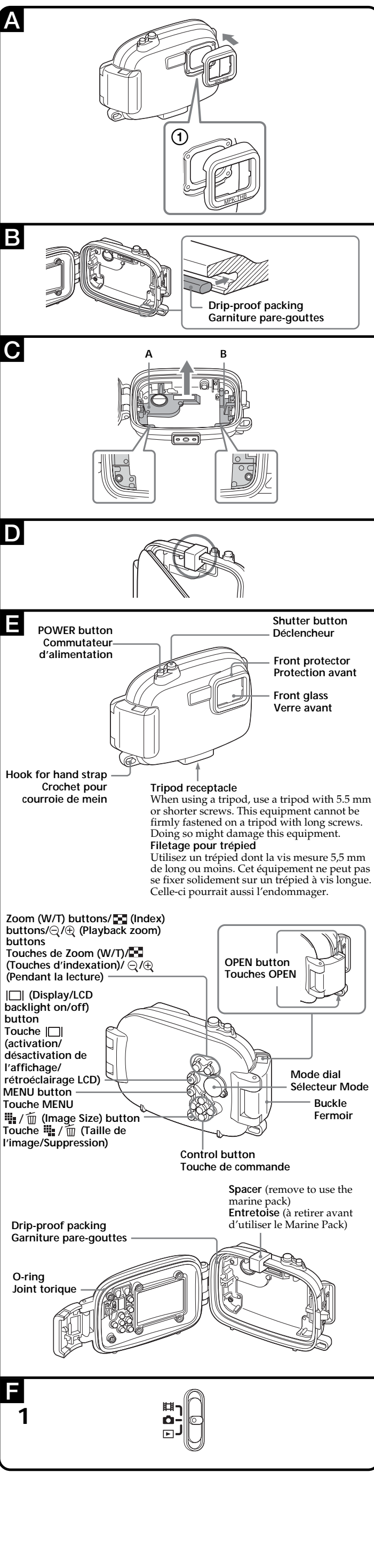
MPK-THB

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Owner's Record

The model and serial numbers are located inside of the unit. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. MPK-THB Serial No.



Main Feature

Usable at a depth of up to 40 m (132 feet) underwater.

- This marine pack MPK-THB is exclusively for use with the Sony Digital Still Camera DSC-T3/T33. (Cyber-shot for this marine pack is not available in all countries).
- This marine pack is water-resistant, enabling the digital still camera to be used in the rain, snow or at the beach.

A loose or nipped O-ring, sand or dirt on the O-ring may cause water leaks under water. Be sure to check the O-ring before use. For details, read the O-ring Maintenance Manual.

Notice

- Before using the digital still camera underwater, first take the marine pack to a depth of about 1 m (3.3 feet) and check that the digital still camera is operating properly and that the marine pack is not leaking, then commence your dive.
- In the unlikely event that a malfunction of the marine pack causes damage due to water leakage, Sony does not guarantee against damages to the equipment contained in it (digital still camera, battery pack, etc.) and the recorded contents, nor expenses entailed in the photography.

Precautions

- When using this marine pack while diving, be sure to pay attention to the surrounding situation. Lack of attention may cause an accident while diving.
- In case of a water leakage is occurred, be sure to pay attention to the surrounding situation and surface following the safety rules for diving.
- Do not subject the front glass to strong shock, as it may crack.
- Avoid opening the marine pack at the beach or on the water. Preparation such as installing the digital still camera and changing the "Memory Stick Duo"/"Memory Stick PRO Duo" should be done in a place with low humidity and no salty air.
- Do not throw the marine pack into the water.
- Avoid using the marine pack in places with strong waves.
- Avoid using the marine pack under the following situations:
 - in a very hot or humid place
 - in water hotter than 40°C (104°F)
 - at temperatures lower than 0°C (32°F)

- When using DSC-T33 Remove parts A and B by sliding them in the direction of the arrow prior to attaching the marine pack to the camera or on the water. (Parts A and B need not be removed for the DSC-T3.)

- Check that the digital still camera is placed correctly.
- Close the marine pack's body and fasten the buckle. (F-6) Secure the marine pack's body, and fasten the buckle until it clicks on the top and bottom side.

- Check the digital still camera is placed correctly.

- Good example (See illustration F-6 ④)

- Bad example (See illustration F-6 ⑤)

- If you close the buckle as shown in F-6 ⑤, the buckle will be caught.

- In these situations moisture condensation or water leakage may occur and damage the equipment.

- Use the marine pack for no longer than 30 minutes at a time in temperatures above 35°C (95°F).

- Do not leave the marine pack under direct sunlight in a very hot and humid place for a long period of time. If you cannot avoid leaving the marine pack under direct sunlight, be sure to cover the pack with a towel or other protection.

- The digital still camera heats up if it is used inside the marine pack for a long time. Before removing the digital still camera from the marine pack, leave the marine pack in the shade or other cool place for a while to cool down.

- If the front protector comes off, reattach it by pressing it on firmly in the direction ①. (See illustration A)

- If sun oil is on the marine pack, be sure to wash it off thoroughly using lukewarm water. If the marine pack is left with sun oil on its body, the surface of the marine pack may become discolored or damaged. (such as cracks on the surface.)

- Water leakage

- If water happens to leak in, stop exposing the marine pack to water immediately.

- If the digital still camera gets wet, take it to the nearest Sony dealer immediately. Repair costs must be borne by the customer.

- Anti-fogging effect

- Front glass of the marine pack has anti-fogging effect, however install the digital still camera in a low-humidity room or a similar environment.

- O-ring

- This equipment uses an O-ring to maintain its water resistance. For details, refer to the separate O-ring Maintenance Manual.

- Improper handling of the O-ring can result in water leakage.

- Drip-proof packing

- Do not remove or apply grease to the drip-proof packing. If the packing rises up or is nipped, this may result in water leaks.

- If the drip-proof packing comes off, refill it carefully so that it is not twisted. (See illustration B)

- O-ring and drip-proof packing serviceable life

- The serviceable life of the O-ring varies with frequency of use of the marine pack and conditions. Generally, it is about one year.

- Drip-proof packing

- Replace the drip-proof packing with a new one if you find scratches or cracks on it.

- After replacing, check that no water leaks in.

- Grease

- Use the grease in the blue tube (supplied). Using the grease in the yellow tube or other manufacturer's grease will damage the O-ring, and cause water leaks.

- O-ring, drip-proof packing and grease

- You can obtain the O-ring, drip-proof packing and grease at the nearest Sony dealer.

- O-ring (model No. 3-080-065-01)

- Drip-proof packing (model No. 3-080-066-01)

- Grease (model No. 3-071-370-01)

Maintenance

After recording

- After recording in a location with a sea breeze, wash the marine pack thoroughly in fresh water with the buckles fastened to remove salt and sand, then wipe with a soft dry cloth. It is recommended that you submerge the marine pack in fresh water for about 30 minutes. If it is left with salt on it, metal portions may be damaged or rust may form and cause water leakage.

- If sun oil is on the marine pack, be sure to wash it off thoroughly using lukewarm water.

- Remove parts A and B from inside the marine pack in the direction of the arrow shown in illustration ①, then wipe the inside with a soft dry cloth. Do not wash the inside of the marine pack.

- After wiping, reattach parts A and B to the marine pack.

- Be sure to perform the above maintenance each time you use the marine pack. Do not use any type of solvent such as alcohol, benzene or thinner for cleaning, as this might damage the surface finish of the marine pack.

- When storing the marine pack

- Attach the spacer supplied with the marine pack to prevent wear of the O-ring. (See illustration ②)

- Prevent dust from collecting on the O-ring.

- Lightly coat the O-ring with grease and insert it into the seating groove, then store the marine pack in a cool, well-ventilated location. Do not fasten the buckle.

- Avoid storing the marine pack in a cold, very hot or humid place, or together with naphthalene or camphor, as these conditions might damage the marine pack.

Preparation

Preparing the digital still camera

Install the digital still camera in a low-humidity room or a similar environment. Opening or closing the marine pack in hot or humid locations may result in fogging of the front glass.

For details, refer to the operating instructions supplied with the digital still camera.

- Remove the strap from the digital still camera.

- Insert the battery pack.

- Insert the "Memory Stick Duo"/"Memory Stick PRO Duo."

- Turn on the power of the digital still camera.

- Set the LCD backlight to "ON."

- Set each of the settings on the digital still camera to auto mode.

- Set the AF illuminator on the digital still camera to "OFF."

- This disables use of the AF illuminator.

- Check the digital still camera's lens and LCD screen for any dirt.

Installing the digital still camera inside the marine pack

- Turn off the power of the digital still camera.

- Set the Mode switch of the digital still camera to "M." (F-1)

- Press the top and bottom OPEN buttons together ① and release the buckle in the direction of the arrow ② to open the marine pack body.

- Take care not to lose the spacer as you will need it to store the marine pack.

- Prepare the marine pack.

Be sure to read the separate O-ring Maintenance Manual. Important details regarding handling of the O-ring are described in this manual.

- Remove the O-ring.

- Coat the O-ring with grease.

- Clean off any sand or dirt on the O-ring, in the seating groove, or on the marine pack's body where it touches the O-ring. Coat the O-ring with a light, even layer of grease.

- Fit the O-ring to the seating groove.

- Check the drip-proof packing for any sand or dirt.

- Notes

- Do not remove the drip-proof packing or coat the drip-proof packing with grease.

- The marine pack's body may be scratched or water may leak if the cover is closed with sand or dirt on the O-ring or drip-proof packing.

- Fit the O-ring to the seating groove.

- Check the drip-proof packing for any sand or dirt.

- Set the Mode dial of the marine pack to the position shown in F-3.

- Install the digital still camera inside the marine pack. (F-4)

Always be sure to turn off the power when installing or removing the digital still camera. The lens may be damaged if the power is on.

When using DSC-T33 Remove parts A and B by sliding them in the direction of the arrow prior to attaching the marine pack to the camera or on the water. (Parts A and B need not be removed for the DSC-T3.)

Check that the digital still camera is placed correctly.

- Close the marine pack's body and fasten the buckle. (F-6)

Secure the marine pack's body, and fasten the buckle until it clicks on the top and bottom side.

Good example (See illustration F-6 ④)

Bad example (See illustration F-6 ⑤)

If you close the buckle as shown in F-6 ⑤, the buckle will be caught.

In these situations moisture condensation or water leakage may occur and damage the equipment.

Use the marine pack for no longer than 30 minutes at a time in temperatures above 35°C (95°F).

Do not leave the marine pack under direct sunlight in a very hot and humid place for a long period of time. If you cannot avoid leaving the marine pack under direct sunlight, be sure to cover the pack with a towel or other protection.

The digital still camera heats up if it is used inside the marine pack for a long time. Before removing the digital still camera from the marine pack, leave the marine pack in the shade or other cool place for a while to cool down.

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If water happens to leak in, stop exposing the marine pack to water immediately.

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Improper handling of the O-ring can result in water leakage.

Drip-proof packing

Do not remove or apply grease to the drip-proof packing. If the packing rises up or is nipped, this may result in water leaks.

If the drip-proof packing comes off, refill it carefully so that it is not twisted. (See illustration B)

O-ring and drip-proof packing serviceable life

The serviceable life of the O-ring varies with frequency of use of the marine pack and conditions. Generally, it is about one year.

Drip-proof packing

Replace the drip-proof packing with a new one if you find scratches or cracks on it.

After replacing, check that no water leaks in.

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Use the grease in the blue tube (supplied). Using the grease in the yellow tube or other manufacturer's grease will damage the O-ring, and cause water leaks.

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Using/Setting various functions

You can use the various functions of the digital still camera installed in the marine pack.

- Use the zoom

Press the zoom button.

- Press on the W side for wide-angle. (Subject appears farther away.)

- Press on the T side for telephoto. (Subject appears closer.)

Notes

- If you do not record images for over three minutes, the digital still camera turns off automatically to prevent the battery pack from wearing down. To use the digital still camera again, turn on the power again. For details, refer to the operating instructions supplied with the digital still camera.

Playing back with the control button

You can play back images on the LCD screen using the control button. You cannot hear the sound.

- Turn on the power. (F-1)

- Set the Mode dial to "E." (F-2)

- Select the desired image with the control button. (F-3)

- Press the control button.

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Notes

- Before opening the marine pack, rinse it with tap water or fresh water and then wipe the water off with a soft cloth. When opening it, be careful not to let any water from your body, hair or wetted cuffs drip onto the digital still camera.

Before making a dive

- Before recording images underwater, first take the marine pack to a depth of about 1 m (3.3 feet) and check that it operates properly and that there are no leaks, then commence your dive.

- Install the digital still camera in the marine pack before diving, and avoid opening and closing the marine pack while on board boats or at the seashore as much as possible. When installing the digital still camera, do it in a place that has as low a humidity as possible.

- Before using the marine pack, make sure that no debris has been caught between the front and back halves of the marine pack's body.

- In images recorded underwater, the subject sometimes has a bluish cast. To correct the color when this happens, use the color filter kit VF-MPTH (optional).

Times that are suited for recording

The most suitable time for recording images is between 10:00 AM and 2:00 PM, when the sun is directly overhead.

To record pictures in places where the sunlight does not reach well or at night, please use the underwater video light HVL-ML20M (optional).

Troubleshooting

Symptom Cause/Corrective Actions

There are drops of water inside the marine pack.

- There are scratches or cracks on the O-ring.

- Replace the O-ring with a new one.

- The O-ring is not set correctly.

- Place the O-ring evenly in the groove.

- The buckle is not fastened.

- Fasten the buckle until it clicks.

- The battery pack has run out.

- Charge the battery pack fully.

- The "Memory Stick Duo"/"Memory Stick PRO Duo" is full.

- Insert another "Memory Stick Duo"/"Memory Stick PRO Duo" or erase unneeded data from the "Memory Stick Duo"/"Memory Stick PRO Duo."

- The write-protect tab on the "Memory Stick Duo"/"Memory Stick PRO Duo" is set to LOCK.

- Set the tab to the recording position or insert a new "Memory Stick Duo"/"Memory Stick PRO Duo."

The recording function does not work.

Specifications

Material Plastic (PC, ABS), stainless steel, glass

Water-resistance O-ring, buckle

Pressure-resistance To a depth of up to 40 m (132 feet) underwater

Switches that can be externally operated Power, Mode, Shutter, Zoom, Flash, Macro, Control, Self-timer, Review, Menu, Image Size/Delete, Display/LCD backlight on/off

Dimension Approx. 136 × 94 × 49 mm (5 3/8 × 3 3/4 × 1 15/16 in.) (w/h/d)

Mass Approx. 285 g (10.0 oz.) (marine pack only)

Included items Marine Pack (1)

Hand strap (1)

Grease (1)

O-ring (1)

Spacer (1)

Set of printed documentation

Optional accessories Color filter kit VF-MPTH

Arm kit VCT-MPK

Underwater video light HVL-ML20M (must be used together with arm kit VCT-MPK and "Info.LITHIUM" (series) battery pack. (M series battery charger)

Design and specifications subject to change without notice.

Caractéristique principale

