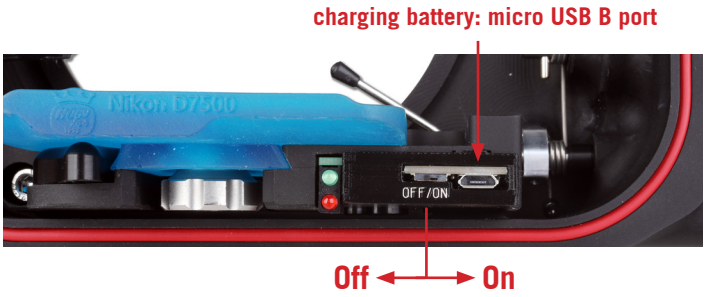
Your Hugyfot housing is equipped with the latest HugyCheck system. Please read this updated manual.

10. Using the HugyCheck system

Your Hugyfot underwater housing is equipped with the 'genuine' HugyCheck pre-dive check system. Introduced in 2008, this system has constantly proven its value and has been improved continuously. The latest version now comes with even more functionality. The HugyCheck system is a pre-dive check system that allows you to check prior to the dive whether the housing has been closed properly and whether the o-rings are in good condition. A vacuum pump will create a slight under pressure inside the housing which can be monitored by means of an LED pressure indicator.

1. On/off & battery status switch

The mini-HugyCheck circuit board is equipped with a power on/off switch (located at the right hand side on the bottom of the camera tray). When the HugyCheck system is activated, both LED's (red and green) will blink and beeps will sound to indicate the battery status (4 blinks/beeps = 100%; 3 blinks/beeps = 65%; 2 blinks/beeps = 40%; 1 Blink/beep = 15% or less). In standby mode (no vacuum) the red LED will continue blinking every 3 seconds after the battery status blinks/beeps have terminated.



2. Vacuum system

As soon as the system is activated (and after the battery status blinks/beeps have terminated), the red LED below the camera support will blink once every 3 seconds. To start the vacuum procedure, please make sure that the system is in 'stand-by' mode. Start the vacuum procedure at least 30 minutes prior to the dive.

- Make sure that the one-way valve is fitted with the appropriate O-ring and that this O-ring is clean, slightly greased and free of dirt or cracks.
- Fit the one-way valve to the bulkhead on the back of the housing **(1)**.
- Remove the sealing cap **(2)** from the one-way valve.
- Put the vacuum pump **(3)** onto the one-way valve and start pumping.
- As soon as the HugyCheck system detects a vacuum between 40 and 100mbar, the red LED will blink once each second.
- When the HugyCheck system detects a vacuum between 100 and 200mbar, the red LED will blink 2 times each second.
- When the HugyCheck system detects a vacuum between 200 and 300mbar, the red LED will blink 3 times each second.
- When the HugyCheck system detects a vacuum of over 300mbar, the green LED will blink once every 5 seconds.

Stop pumping as soon as the green LED is activated!
Put the sealing cap (2) back in place on the one-way valve.
Wait at least 30 minutes before taking the housing for a dive.
Do not use the housing underwater if the green LED is not blinking.

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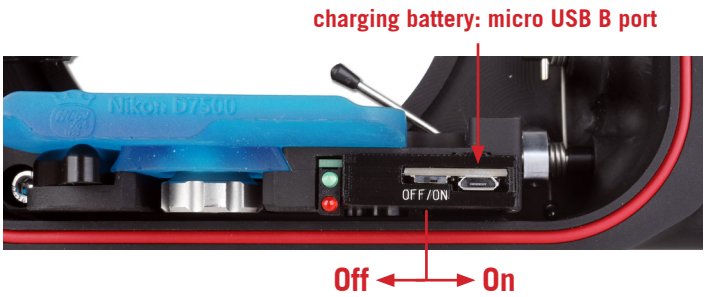

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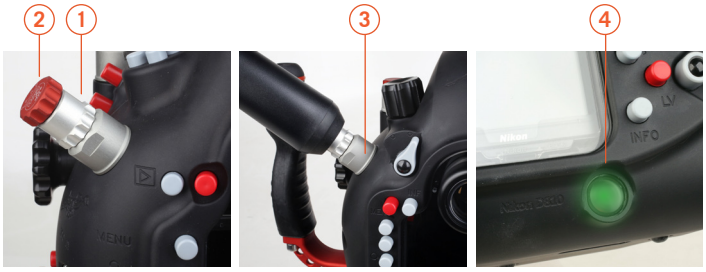


As long as the green LED is blinking, the vacuum inside the housing is stable. This indicates that the housing is properly closed and that it is safe to take it underwater. In case of a leak, the pressure inside the housing will increase. An increase of pressure of 40mbar will trigger the red LED and will produce beeps. If this situation occurs, check all the housing and port seals and start the vacumm procedure again.

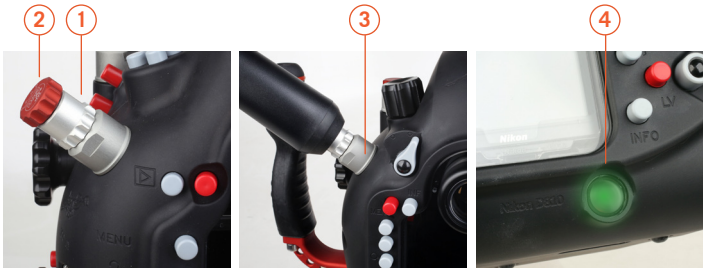
3. Leakage alarm

The mini-HugyCheck circuit board is equipped with a leakage alarm which is triggered by a humidity sensor (located at the bottom of the housing). In case of water entry, beeps will sound, the green LED will be switched off and will be replaced by a rapidly blinking red LED.

4. Charging the battery

The mini-HugyCheck circuit board is powered by a rechargeable battery (XTAR 16340 - 650mAh - 3.7V) that is charged by means of a USB B micro cable. Fully charging the battery will take up to 5 hours. Battery life (fully charged) is approximately 15 days. With a battery capacity of 30% or less, the green LED will blink twice each second (instead of 1 blink each second) in stand-by mode and in vacuum mode.

Only charge the XTAR 16340 batteries while installed in the camera housing battery cradle. Do NOT use a separate battery charger.
Only use XTAR 16340 batteries (650mAh - 3.7V).
Do NOT use non-rechargeable CR123 batteries!



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