



**BATTERY FLASH**

**Digitalis Pro T400 TTL**

**User Guide**

 **FOMEI**

... solutions for you

Thank you for purchasing FOMEI'products.

Please read this user manual carefully before using this product.

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### **Warning before use:**

1. Make sure that the product is intact and that there are no missing parts.
2. In case of damage, contact a professional service FOMEI.
3. Keep the environment dry and ventilated when using the product.
4. Keep the product clean by clean.
5. Do not scratch or apply pressure to the product.

### **Safety warning:**

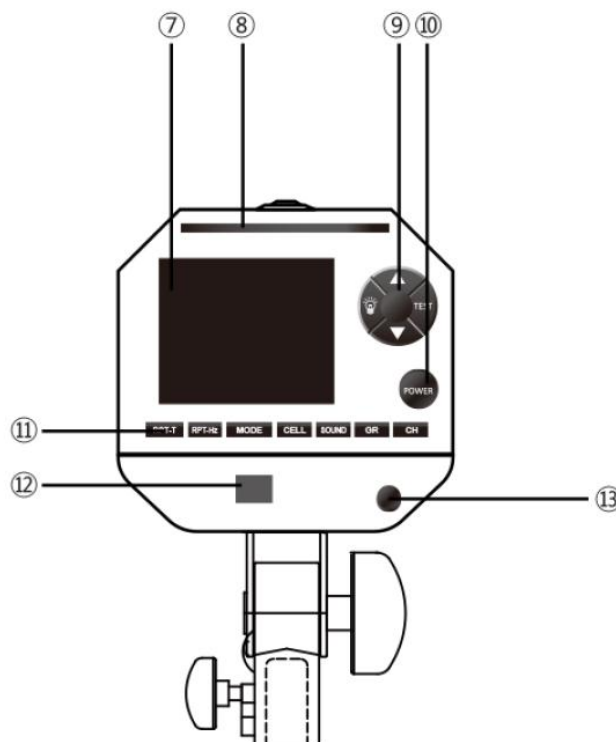
1. Keep this product out of reach the rain or humidity to avoid damage or injury.
2. Do not disassemble the product. In case of damage contact a service FOMEI or contractual service with trained professionals.
3. If the product is disassembled, you will not be covered under warranty.
4. Do not use the product in extreme temperatures (+ 50°C).
5. The product is not suitable for children.
6. Using a flash continuously (succession of 250 flashes) the battery might be overheated.
7. Firing 150 flashes successively at full power and an ambient temperature of 25°C may cause overheating alarm to beep. After 5 seconds of beeping, firing of additional 50 flashes is possible. Depending on the battery status (below 70% of use, temperature) firing up to 250 flashes may be possible without overheating.
8. An overheated battery may cause damage. To avoid overheating, leave flash unused for 10 minutes or more after a succession of 250 flashes at full power.

## A) Product overview



1. Bracket
2. Flash tube
3. Sync sensor

4. Shoulder strap
5. Battery lock
6. Battery



7. LCD display
8. Flash status indicator
9. Control button
10. Power switch

11. Control buttons
12. Battery status LCD display
13. Battery status indicator button

## B) About product

Digitalis Pro T400 TTL is a universal lighting system with a compact DC battery and power supply. TTL technology supports the ideal exposure value anywhere. The great advantage of this flash is the built-in wireless system. The optimized user interface, visible, color LCD display and overall flash design support very easy operation.

### Operating instructions:

- **Power switch** – press and hold power switch to turn on/off the flash. To reduce battery power use, the flash is designed to go into “Sleep mode” after 30 minutes of non-activity and to turn off automatically after 40 minutes of non-activity.
- **Control flash with HSS TTL wireless controller (another for Nikon and another for Canon)**
  - Fix the HSS TTL controller to hot-shoe and turn on the camera and the controller. On the camera press and hold „RPT-Hz“ and „Mode“ button simultaneously for 3 seconds to select the camera (Nikon/Canon). Make sure the camera is properly connected.



- **TTL Mode**
  - Set camera scene modes to <AV> (aperture priority), <Tv> (shutter priority) or <M> (manual) mode to work in TTL mode.
- **M mode**
  - Set the selection mode to „M“ on the HSS TTL controller and adjust the accurate power on the flash.
- **Channel setting**
  - Press the „CH“ button on the flash until the numeral digit starts blinking. Press the control button (with the arrow symbol) to set the channels from 1 to 80.

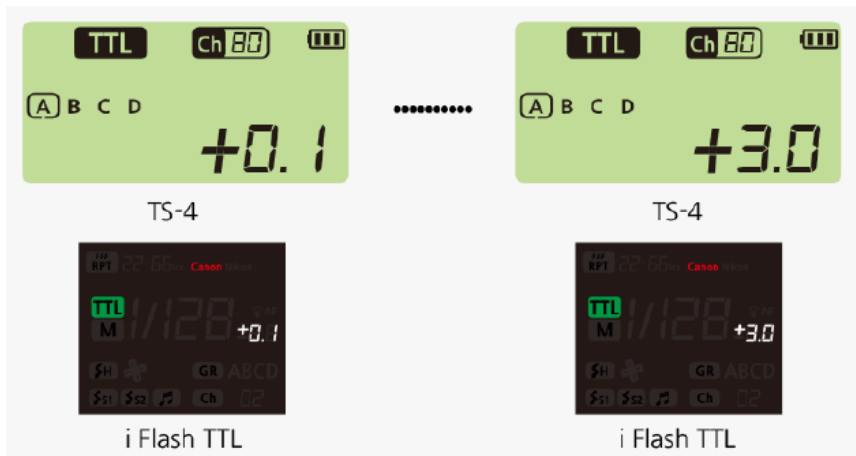


- Or press the „CH“ button on the HSS TTL controller. Press the control button (+/-) on the controller to set the channel.

- **Group setting**
  - In one group, there may be up to 4 flashes that can be controlled at the same time.
  - Press the „GR“ button to assign up to 4 flashes to a group (A, B, C or D).
  - Or press the A, B, C or D button on the HSS TTL controller for wireless settings.
    - **Controlling 2 flashes**
      - Flash no.1 – Ch 01, GR A
      - Flash no.2 – Ch 01, GR B
    - **Controlling 3 flashes**
      - Flash no.1 – Ch 01, GR A
      - Flash no.2 – Ch 01, GR B
      - Flash no.3 – Ch 01, GR C
    - **Controlling 4 flashes**
      - Flash no.1 – Ch 01, GR A
      - Flash no.2 – Ch 01, GR B
      - Flash no.3 – Ch 01, GR C
      - Flash no.4 – Ch 01, GR D
    - **Controlling 4 flashes in 1, 2 groups**
      - Flash no.1 – Ch 01, GR A
      - Flash no.2 – Ch 01, GR B
      - Flash no.3 – Ch 02, GR A
      - Flash no.4 – Ch 02, GR B
- **TTL settings**
  - Press the „M“ button on the HSS TTL controller to switch between „TTL“ or „M“ mode.
  - In „TTL“ mode, when the shutter on the camera of which the HSS TTL controller is mounted to is pressed exposure is automatically controlled.
- **Flash exposure compensation**
  - When shooting under „TTL“ auto flash mode under various environments, it may demand a minor adjusting exposure value. After checking you photograph for under and overexposure, press the +/- buttons on the HSS TTL controller to adjust exposure compensation with an increment of 0.1 F-Stops.



- In case of an **underexposed** photograph, press the „+“ button on the HSS TTL controller to increase exposure compensation up to a maximum of +0,3; 30 steps.



- In case of an **overexposed** photograph, press the „-“ button on the HSS TTL controller to decrease energy level down to a minimum of -0,3; 30 steps.




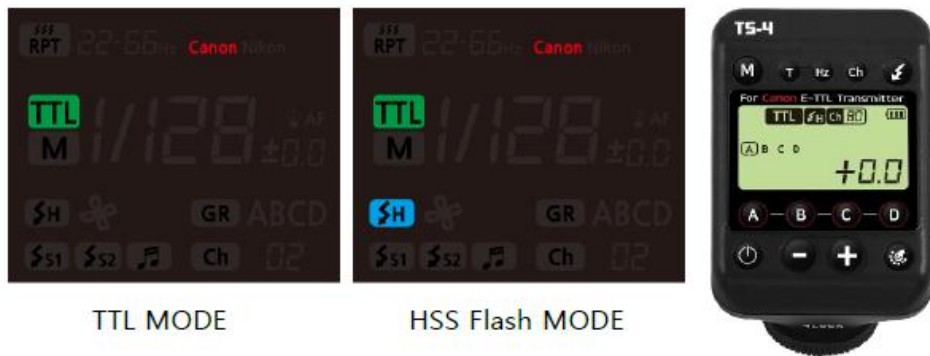
- **Manual mode**

- Flash output is adjustable from 1/128 to 1/1 full power with an increment of 0.1 F-Stops.
- After exposure compensation in „TTL“ mode, switch to the „M“ mode to keep photographing under determined flash output.
- After setting up the „M“ mode by pressing the „M“ button on the HSS TTL controller, set the flash output by pressing the +/- buttons on the HSS TTL controller from 1/1 full power to the lowest output of 1/128 with an increment of 0.1 F-Stops and a total of 70 steps.



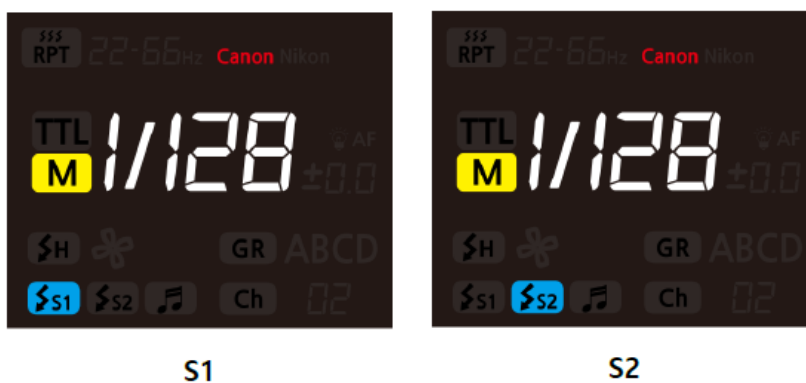
- **HSS flash mode**

- Press the „Hz“ button on the HSS TTL controller to turn on the TTL HSS mode (Canon).
-  This symbol is displayed on the HSS TTL controller's display and flash's display.



- **Optical slave S1/S2**

- Press the „CELL“ button on the flash to change slave flashing method.
- S1 – when a regular flash fires, slaves detect flash and fires simultaneously.
- S2 – when a TTL flash fires, slaves detect flash and fires simultaneously.
- **Applicable only in „M“ mode.**





- **Nastavení zvuků**

- Press the „SOUND“ button on the flash to turn on/off the sound.

- **LED modeling settings**

- Press the button with symbol of a bulb on the HSS TTL controller to switch between 3 LED modeling light modes.

-  Flash soft light mode: the modeling lamp output changes in accordance to the output of the flash.

-  Modeling maximum output mode: the LED modeling is set at maximum output capacity.

-  **AF**

LED assist light mode: when the ambient light level is low, press the camera shutter button halfway to emit the assist beam to autofocus.



- **Multi stroboscopic flash**

- Press and hold the „T“ button on the HSS TTL controller for 2 seconds or longer for multi-flash settings.
- Under the multi-flash mode, multiple flashes are fired continuously at a high speed.
- The flash output is manipulated by the number of flashes and flash frequency.
- To set the **number of flashes**, press the „T“ button on the HSS TTL controller until the display starts blinking. Set your preferred number of flashes using the +/- buttons.
- To set the **flash frequency**, press the „Hz“ button on the HSS TTL controller until the display starts blinking. Set your preferred frequency using the +/- buttons.

Number of flashes

Flash frequency





- **Calculating shutter speed**

- When utilizing multi-flash, camera shutter should be opened until flash stops.
- Please refer to the table below to calculate shutter speed.
- **Number of flashes/ flash frequency**
- To prevent flash from overheating and disorder, refrain from firing flash no more than 10 times in multi-flash mode.
- After firing in succession, flash should be left unused for at least 5 minutes.

Flash frequency (Hz)	Number of flashes					
	1/4	1/8	1/16	1/32	1/64	1/128
1	30	50	70	99	99	99
2	2	4	70	99	99	99
3	2	2	7	99	99	99
4	2	2	4	16	99	99
5	2	2	3	8	99	99
6	2	2	3	6	99	99
7	2	2	3	5	99	99
8	1	2	2	5	15	99
9	1	2	2	4	10	99
10	1	2	2	4	6	99
11	1	2	2	4	5	99
12	1	2	2	3	5	99
13	1	2	2	3	5	99
14	1	2	2	3	5	99
15	1	2	2	3	5	99
16	1	2	2	3	5	36
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99	1	2	2	3	5	20

- **Reset settings**

- To reset the flash, press the „MODE“ button on the flash for 2 seconds or longer. All settings for group, channel, exposure compensation, sync and flash output are reset.

- **Battery (11,1V; 4,4A)**

- Press the button no. 13 (battery status indicator button) to determine battery charging status on the LCD display.
- To charge the battery, use only the adapter included in the package.
- The LED light is red when charging. The LED light is green when battery is fully charged.

- **Characteristics and usage of battery**
  - Charge battery with charger that comes with the package before use.
  - **One full charge takes approximately 3,5 hours, providing up to 400 flashes at maximum output.**
  - Battery life depends on usage frequency. In the beginning, the capacity of the battery can be increased, then gradually reduced. A fully charged battery may not be used for up to 6 months. Keeping the battery down for a long time may affect its performance. To maintain optimal battery performance, charge the battery within 3 months after use.
  - The battery life cycle is approximately 300 cycles. A drastic drop in flash brightness suggests a change of battery is needed.
  - The ambient temperature also affects the battery. Pay close attention to the high temperature differences that may have a negative effect on the battery. A large drop in battery capacity may occur when the temperature drops below 10°C when the battery can drain quickly. Avoid using the battery at 0°C. The battery should not be used even at temperatures above 45°C. If the battery is overheated it may reduce its service life and its built-in protection system may limit its use. If the overheating indicator beeps, cool the battery. Although the battery is discharged by use and can no longer be used, the battery retains some capacity to protect its system. This small amount of capacity is maintained for 3-6 months. Over time it is depleted, which leads to degradation of the battery. To avoid this, charge the battery as soon as the battery is discharged.
- **Charger and battery shelf life**
  - Before charging the battery, turn off the flash first. If you leave the flash turned on while the battery is charging, the charging time is prolonged and energy is consumed.
  - Battery charging time is approximately 3,5 hours.
  - Battery life increases with frequent charging, even if the battery is not completely discharged.
  - The battery should be charged at a temperature of 10°C to 40°C. Charging the battery outside this range may cause the protection system to block charging or to display the battery as fully charged. If possible, charge the battery at room temperature. For quick charging, turn off the flash or remove the battery and charge it directly.
  - Battery charging time depends on battery temperature, adapter power (AC 220V), and battery age.
  - If the red diode does not appear during charging, make sure the charger is connected to an electrical outlet and there is a power supply. If the charger malfunctions, contact a service.

## **Packaging components**

Flash with battery, strap and charger.



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