

# One Year Unconditional Warranty

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If for any reason, this ProMaster product fails within ONE YEAR of the date of purchase, return this product to your ProMaster dealer and it will be exchanged for you at no charge. ProMaster products are guaranteed for ONE FULL YEAR against defects in workmanship and materials. If at any time after one year, your ProMaster product fails under normal use, we invite you to return it to ProMaster for evaluation.

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## CANON [ UNPLUGGED TTL Transmitter ]



Thank you for your purchase of this Unplugged TTL Transmitter. It is compatible with Unplugged TTL lights and your Canon camera. Some of the TTL light & transmitter features are dependent on your specific camera model's controls and abilities. And some features can only be controlled from your camera directly. Refer to your camera's instruction manual while learning to use this TTL Transmitter.

## PARTS IDENTIFICATION



1. Group's A:B Ratio Button / Left Arrow Button / ALL Button / A:B Ratio Button / Multi Mode Power Button
2. Group C Button / Exposure Compensation Button / Left Arrow Button
3. Exposure Compensation Button / Left Arrow Button
4. Modeling Light Adjustment Button
5. Modeling Light ON/OFF Button
6. Audible Alarm Button
7. AF ON/OFF Button
8. ID Button / Return Button
9. Mode Button | Right Arrow Button
10. Front Curtain / High Speed Sync. Button / Right Arrow Button
11. Group Selection Button / Right Arrow Button
12. Channel Select Button
13. Power Button / Test Button
14. Power Signal Indicator Light
15. Locking Wheel
16. Battery Door
17. AF Illuminator
18. USB Firmware Upgrade Port
19. Control Lock Switch

## ADVANCED MODES OF OPERATION (CONT'D)

*Note: flash duration is NOT the same as high speed sync. Each of these two functions (FP and HSS) have a different purpose. Unplugged TTL lights are HSS compatible up to 1/8,000 second.*

### Multi Mode

Multi mode creates a stroboscopic effect in which you can set the number of times the light will fire, the frequency (in hertz) and the power output.

To enter Multi mode, press the Mode Button (9) until Multi appears in the top, right corner of the LCD screen.

Press the Multi Mode Power Button (1) to enter the amount of light output power. Use the Left Arrow (1) and Right Arrow (9) Buttons to enter the amount of power followed by the Return Button (8) to save the change and return to the main Multi menu screen.

Use the Left Arrow (2) and Right Arrow (10) Buttons to enter the frequency of the flashes, in Hertz (Hz) between 1 and 100.

Use the Left Arrow (3) and Right Arrow (11) Buttons to enter the number of times the lights will fire between 1 and 40.

*Note: Multi mode effects all groups identically and cannot be adjusted or turned OFF by group.*

## SPECIFICATIONS

Model	6866
Power Source	2 x AA 1.5V alkaline batteries
Operating Range	300' / 100 m
Max Sync. Speed	1/8,000s
Weight	3 ¼ oz / 92 g
Dimensions	4 ¼" x 2 ¾" x 1 ½" / 108mm x 70mm x 38mm

## PRECAUTIONS

1. Do not disassemble, open, or repair this transmitter by yourself.
2. This product is not water-resistant. Keep it away from rain, snow, and high humidity areas.
3. Always turn the transmitter OFF before changing the batteries.
4. Avoid corrosive or flammable substances when cleaning this transmitter.
5. Do not touch the transmitter with wet hands.

## ADVANCED MODES OF OPERATION (CONT'D)

group A and the right digit representing group B in the ratio. Then press the Return Button (8) to save the ratio setting and return to the main menu. You can also enter an exposure compensation value in E TTL mode when A:B group is selected by pressing the Exposure Compensation Button (3) and the using the Left Arrow Button (3) and Right Arrow Button (11) to make adjustments. Finish by pressing the Return Button (8) to save the setting.

When A:B C groups are selected in E TTL mode you can enter a ratio for A:B as described above. You can also enter an exposure compensation for the groups by pressing the Exposure Compensation Button (3) and using the Left Arrow Button (3) and Right Arrow Button (11) to make adjustments. Save and exit this setting by pressing the Return Button (8). Additionally, you can enter an exposure compensation value just for group C by pressing the Exposure Compensation Button (2) and using the Left Arrow Button (2) and Right Arrow Button (10) to enter a compensation value. Use the Return Button (8) to save and exit the change.

You may choose between front curtain sync. and high speed sync. in E TTL mode. The chosen setting will affect all groups. Press the Front Curtain / High Speed Sync. Button (10). Each time you press this button the icon to the left of it will toggle between front curtain sync. and high speed sync.

### Manual Mode

This mode allows you to manually control the power of each light in each group and bypass your camera's automatic TTL exposure system. There are no ratios available in this mode. You simply enter the light output power for each group manually.

Begin by pressing the Mode Button (9) until an M appears to the left of it on the LCD screen. Now press the Group Selection Button (11). Notice each time you press this button the left side of the LCD changes from ALL to A B to A B C and back to ALL. Now you can enter the power for each group by pressing the corresponding button to the left of the group and then using the arrow buttons shown on the LCD to adjust the power in 1/3 stops from 1/128 to 1. Use the Return Button (8) to save the setting after you have adjusted the manual output power.

You can also choose between front curtain sync. and high speed sync. in M manual mode. The chosen setting will affect all groups. Press the Front Curtain / High Speed Sync. Button (10). Each time you press this button the icon to the left of it will toggle between front curtain sync. and high speed sync.

### FP Mode

This mode give you direct control over the light's flash duration within a range of 1 / 2,000 and 1 / 20,000 seconds Once you enter FP mode by using the Mode Button (9), notice A B C appear on the left side of the LCD screen. Press the corresponding button to the left of any of these three groups and then use the arrow buttons which appear on the screen to change the flash duration or turn the group OFF in FP mode. Use the Return Button (8) to save the setting once you are finished.

## INITIAL SETUP

### Installing the Batteries

Your Unplugged TTL transmitter is powered by two 1.5V AA Alkaline batteries. Locate the Battery Door (16) and slide it up and out of the transmitter. Install both AA batteries according to the + and – symbols in the compartment. Replace the Battery Door (16).

### Connecting to a Camera

Loosen the Locking Wheel (15) on the transmitter by turning it to the right while holding the transmitter so the LCD screen is facing you. Slide the TTL transmitter onto your camera's hot shoe so the LCD screen is oriented at the back of the camera and the red AF Illuminator (17) is facing the front of the camera (same direction as your lens). Tighten the Locking Wheel (15) so the transmitter is held firmly to your camera.

### Powering up the TTL Transmitter

With the TTL transmitter connected to your camera, turn on the camera and then press and hold the transmitter's Power Button (13) for approximately 2 seconds, until the Power / Signal Indicator Light (14) illuminates. The Power / Signal Indicator Light (14) will glow red to indicate the transmitter has power but is not communicating with a camera. It will glow green to indicate the transmitter both has power and is communicating with a compatible camera.

### Setting the Channel and ID

Be sure your Unplugged TTL light is powered ON and set to TTL mode.

Press the Channel Select Button (12) once to enter channel select mode. Now press the Left Arrow Button (3) or Right Arrow Button (11) to change the channel number between 1 and 15. You must select the same channel your TTL light is set to in order to operate it. Once you have selected the channel number press the Return Button (8) to exit channel select mode.

Press the ID Button (8) to enter ID select mode. Use the Left Arrow Button (3) or Right Arrow Button (11) to change the ID number between 1 and 99. The Left Arrow Button (3) will decrease the ID number by 10 per press. The Right Arrow Button will increase the ID number by 1 per press. You must select the same ID your TTL light is set to in order to operate it. Once you have selected the ID number press the Return Button (8) to exit ID select mode.

*Note: refer to your Unplugged TTL light instruction manual for more details about how to set its channel and ID.*

## BASIC TTL TRANSMITTER OPERATION

### Using Groups (A,B, and C)

Groups give you control over various lights in a multi-light setup to achieve different power settings or 'ratios'. For example, you may want one main light to fire at full-power and a second fill-light to fire at 1/4 power. Using a different group for each of these lights you have control to achieve this. You can also set all the lights to one group so any changes you make will affect all the lights in the same way.

3 Groups are available to you labeled as A, B, and C. An Unplugged TTL light can be set to one of these 3 groups at a time. Refer to your TTL light instructions for more information about setting its group.

Control of the groups begins by selecting which of them you want to use. Press the Group Selection Button (11) on the right side of the transmitter. Each time you press this button it will cycle through your group options, which are: ALL, A:B, or A:B C. The colon between A and B in two of the settings represents a ratio. This means you can use a ratio setting between those two groups in that group selection.

- In the ALL group selection, your adjustments in any mode will equally affect all lights regardless of whether they are set to A, B, or C group.
- Using the A:B group selection, your transmitter will only fire lights set to either the A or B group. Lights set to C group will not fire at all. Furthermore, you can set A and B to different powers by using a ratio in E TTL mode or by independent adjustments to A and B groups in M manual mode and in FP mode.
- Using the A:B C group selection, your transmitter will fire all lights regardless of their group. However, each light may fire differently depending on your settings. You can use the A and B groups as a ratio in E TTL mode while setting C group independently. And you can set each of the 3 groups by independent adjustments in M manual mode and in FP mode.

*Note: Multi mode cannot be set differently for each group. When you use Multi Mode its groups are set to ALL by default.*

### Firing a Test Flash

Quickly press the Test Button (13) to fire a test flash from an Unplugged light using the same Channel, ID, and group. This will verify the light is sync'd to the TTL transmitter.

### Adjusting the Audible Alarm

To adjust the audible alarm, press the Audible Alarm Button (6). Each time you press this button the transmitter will toggle between ON and OFF for the alarm. You will see an icon of a musical note above the Audible Alarm Button (6) with the word ON or OFF next to it as you do this. When the alarm is turn ON, a beep will occur each time the light has recycled and is ready to fire again. When the alarm is OFF the light will operate in silent mode.

## BASIC TTL TRANSMITTER OPERATION (CONT'D)

### Adjusting the AF Illuminator Function

To adjust the AF illuminator, press the AF ON/OFF Button (7). Each time you press this button the transmitter will toggle between ON and OFF for the AF illuminator. You will see an icon that reads 'AF' with the word ON or OFF next to it directly above the AF ON/OFF Button (7) as you do this. When the AF illuminator is set to ON, a red focus assist light emitting from the AF Illuminator (17) will aid your camera in auto focusing in dim lighting.

*Note: the ability to use the AF Illuminator is dependent on your camera.*

### Using the Modeling Light

Press the Modeling Light ON/OFF Button (5) to turn the TTL light's modeling light ON or OFF. When it is ON you can adjust its intensity by pressing the Modeling Light Adjustment Button (4). Each time you press the Modeling Light Adjustment Button (4) the intensity of the light will increase until it is at full power. Another press will reduce the light to its minimum power and so on and so forth. A power scale to the right of the Modeling Light Adjustment Button (4) is helpful to see the power setting.

*Note: use of the modeling light cannot be done by group. It will be ON or OFF for all Unplugged TTL lights set to the same channel and ID as the transmitter.*

### Using the Control Lock Switch

When the Control Lock Switch (19) is turned ON, it will prevent accidental changes to your settings by disabling all of the buttons on the transmitter except for one. The Power Button / Test Button (13) will still function as normal when the Control Lock Switch is used. So you can still test fire your light(s) and turn the transmitter ON or OFF.

## ADVANCED MODES OF OPERATION

### Changing Modes

Press the Mode Button (9) to change the TTL transmitter's mode for all active groups. Each time you press the Mode Button (9) the TTL transmitter will cycle through the modes: E TTL mode, M manual mode, Multi mode (stroboscopic), and FP mode.

### E TTL Mode

When ALL groups are selected in E TTL mode you can adjust the exposure compensation for all lights by pressing the ALL Button (1) on the top, left corner of the transmitter. Once you press this button the LCD will change to exposure compensation mode. Use the Left Arrow Button (1) and Right Arrow Button (9) to enter an exposure compensation amount in 1/3 EV steps. Then use the Return Button (8) to save the setting and exit the exposure compensation screen for all groups.

When A:B groups are selected in E TTL mode you can press the A:B Ratio Button (1) to enter a ratio for A to B. After pressing this button use the Left Arrow Button (1) and the Right Arrow Button (9) to adjust the ratio from 1:8 to 8:1 with the left digit representing