

RT-305 TRIGGER

USER'S MANUAL

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FOREWORD

Thanks for purchasing this Altura Photo product.

The wireless power-control flash trigger is designed for versatile use. When used with an Altura Photo flash it is not only a flash trigger but also incorporates multiple functions, such as, adjusting power ratio and adjusting flash output.

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FOR YOUR SAFETY

Before using this product, please read the following safety instructions carefully in order to ensure your safety and the proper operation of this product. Keep for future reference.

Failure to observe the following precautions marked by ⚠ could result in product damages. The ⚠ icon indicates warnings that should be read beforehand to avoid any possible damage or injury.

⚠ **Do not disassemble or modify.** Failure to observe this precaution could result in electric shock or product malfunction. Should this product break open due to falling or other accident, take out the batteries and sent it to an authorized maintenance center.

Keep dry. Do not handle with wet hands, immerse in water, or expose to rain. Failure t observe this precaution could cause fire or electric shock.

Do not use in the presence of flammable gases. Failure to observe this precaution could result in fire or explosion.



Keep out of reach of children. This product contains small parts that may pose a choking hazard. Should a child swallows any part of this product, consult a physician immediately.

Turn off the trigger inmediately should malfunction occurs. Should smoke or an unusual smell come from this product, take out the batteries immediately in case of burning and send this product to an authorized maintenance center. Continued use may result in injuries.

Do not expose to high temperature. Do not leave the product in a closed vehicle in the sun or in other areas subject to extremely high temperature. Failure to observe this precaution could result in fire or damage to the casing or internal parts.

Observe precautions when handling batteries. Batteries may leak or explode if improperly handled. Please observe the following precautions when handling batteries for this product:

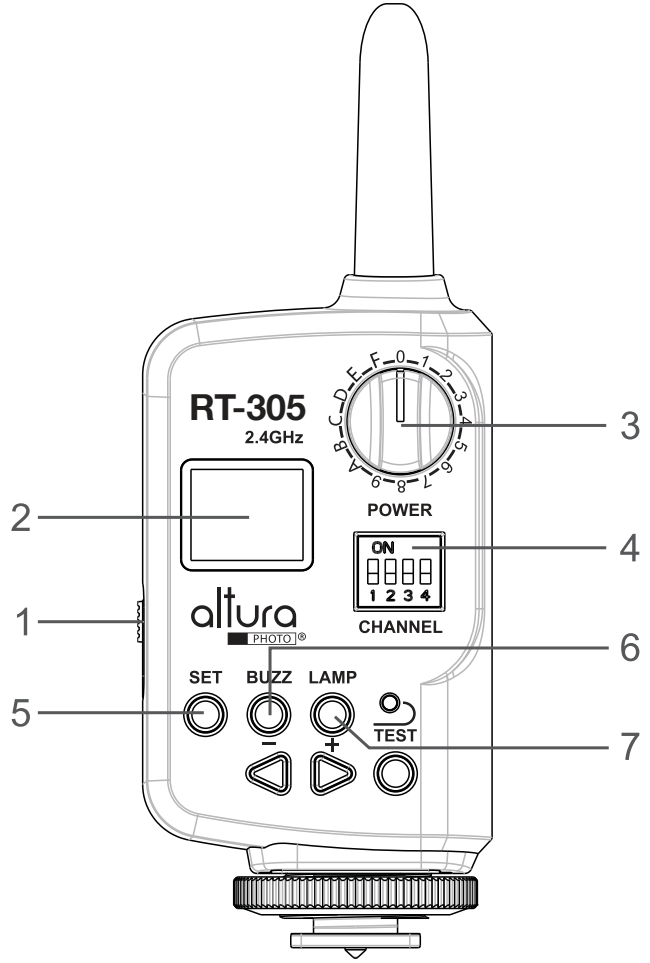


- Use only batteries listed in this manual. Do not mix new and old batteries. Neither use batteries of different brands.
- Read and follow all warnings and instructions provided by the battery manufacturer.
- Batteries cannot be short-circuited or disassembled.
- Do not put batteries into a fire or apply direct heat to them.

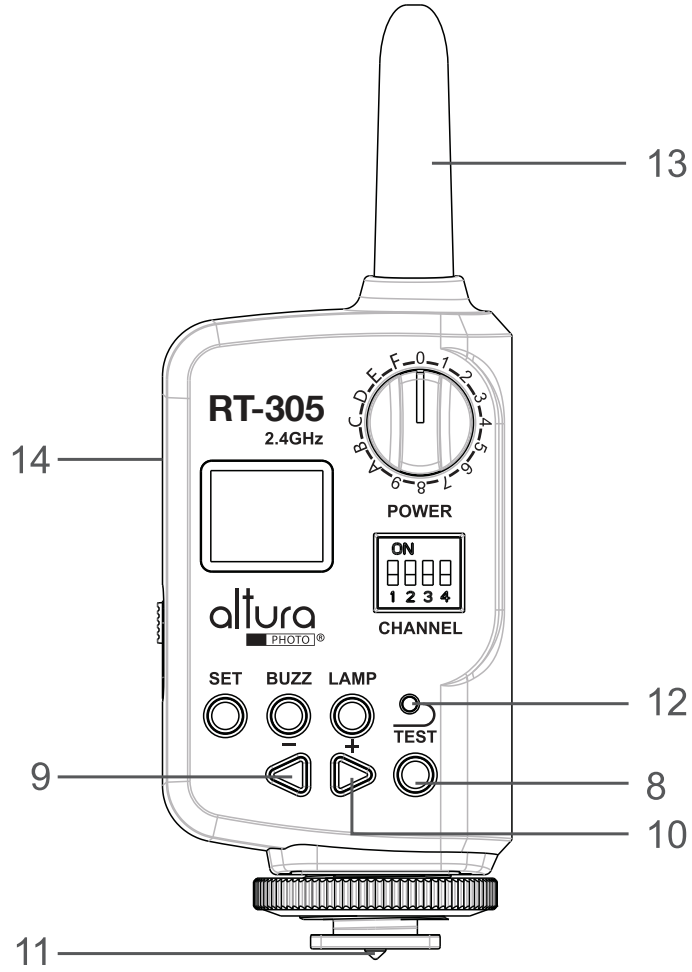
- Do not attempt to install batteries in the reverse direction.
- Batteries are prone to leak when fully discharged. To avoid damage to the product, be sure to take out the batteries if the product will not be used for an extended period or the battery power is empty.
- Should liquid from damaged batteries com into contact with skin or clothing, rinse immediately with fresh water.

NOMENCLATURE

1. ON/OFF Switch
2. LCD display
3. Power-Control Group Select Dial
4. Channel Select Switch
5. Set Button
6. Buzz Switch
7. Modeling Lamp Switch/
   AF-assist Beam Switch



8. Test Button
9. (-) Button
10. (+) Button
11. Hot shoe
12. Indicator
13. Antenna
14. Battery Compartment



Battery

The transmitter needs two size-AA batteries (not included). Slide the battery compartment cover of the transmitter and insert the batteries.

Low Battery Indication. When the battery power drops below (<2.2V), a battery symbol appears on the LCD display. Please change the batteries. Low battery power will either reduce the transmitters range or won't trigger the flash at all.

Power Switch

Turn the transmitter on by sliding the ON/OFF Switch to ON. The LCD display will then light up.

Turn the transmitter off and remove the batteries when not in use for an extended period.

Power-Ratio Display Mode

The RT-305 has 3 modes to display a flash's power ratio.

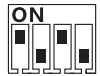
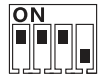
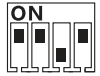
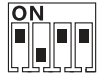
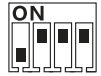
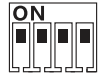
- 1/128-1/1: widely adopted in most shoe mount flashes.
- 5.0-10: adopted in some studio flashes.
- 1.0-7.0: adopted in some studio flashes.

The 3 display modes can be switched over by pressing the Set Button and holding for 2s.

Channel Select Switch

Both the Transmitter and the AP-305 Flash have 16 channels for communication. Set the TR-305 Transmitter and AP-305 Flash to the same channel before use.

The relationship of RT-305 and AP-305(C/N/S) wireless system:

RT-305 Code Switch								
AP-305 Display Screen	CH01	CH02	CH03	CH04	CH05	CH06	CH07	CH08
RT-305 Code Switch								
AP-305 Display Screen	CH09	CH10	CH11	CH12	CH13	CH14	CH15	CH16

Note:

When using RT-305 transmitter in combination with the AP-305(C/N/S) set the flash to Manual mode.

The RT-305 must be set to the same channel for wireless control. Otherwise, the flash unit will not respond.

Power-Control Group Selection

The transmitter features a 16-grade Power Control Group Select Dial. With these 16 grades, you can wirelessly control at most 16 flash groups in terms of the following functions: flash triggering and adjusting the power ratios.

Activate the Slave function on your AP-305 Flash and set the flash mode to manual.

Make sure that the channel (1-16) matches with the channel switches on the RT-305 Transmitter. Next, select a flash group. This will allow you to control your flash power ratio. The AP-305 Flash for Canon, Nikon, and Sony offers 3 groups (A/B/C). Once you've made your selection Rotate the Power Grade Dial on the RT-305 to the corresponding group. Press the +/- buttons to adjust the power ratio of the flash within that group. Press the test button to check if the Transmitter and flash are connected. The number of useable flash groups will depend on the number of groups your flash unit allows. Refer to the flash manual for setting instructions.

• The Dial of the RT-305 and the AP-305(C/N/S) Flash must be set to the same grade. Otherwise, the flash unit will not respond.

• Flash triggering is only related with Channel Select Switch.
The Power-Control Group Select Dial only decides which flash or flash group to be controlled in terms of functions such as power setting.

OTHER BUTTONS

1. Set Button

Press the Set button and settings on the transmitter will be communicated with the flash. Will blink for sec. on the LCD display.

Press and hold the Set button for 2s to switch the power-ratio display mode.

2. (-)(+) Button

Press the (-) or (+) button to decrease or increase the power ratio. The power

range is "OF, 5.0-10" or "OF, 1.0-7.0" for studio flashes and "OF,1/128-1/1" for shoe mount flashes. "OF" means the flash triggering function is shut down on the flash.

To disable the flash triggering of a flash group, press "-" and "+" buttons at the same time, with the panel displaying "OF".

3. Test Button

Press Test Button to fire the flash. Both the indicators on the transmitter and the the flash unit will blink.

USING THE TRIGGER

• Adjusting Wireless Flash Settings

The Transmitter can wirelessly adjust the following settings:

- On the transmitter, set the Channel Select Switch to the corresponding channel set on the Flash.
- Adjust the flash settings on your transmitter.

• Wireless Triggering the Flash

- On the transmitter unit, set the channel switches to the desired channel position. Then select the same channel on the flash unit.

- Press the Test Button to fire a flash. Alternatively, you can set the transmitter onto the camera's hot shoe and press the camera's shutter-release button to fire a flash.

Model	**RT-305**
Transmitter Power Supply	3V (2*AA Ni-MH or alkaline batteries)
Transmit Frequency	2.4 Ghz wireless remote system
Workable Distance	Over 100 m/328 ft (open areas)
Control on Flashes	Flash power ratio
	Power-ratio display mode
	Flash triggering
Max. Sync. Speed	1/250 second
Channel	16
Fits cameras	Canon, Nikon, & Sony
Transmitter Dimension	97.6 * 49.9 * 36.95 mm
Weight	2 oz (56.7 g)

TROUBLESHOOTING

• Unable to trigger a flash by pressing Test Button or the camera's shutter-release button

- Make sure batteries are installed properly and the trigger set is powered on.
- Check if the transmitter and the flash are set to the same channel. If not, set to the same position.
- Check if the trigger is securely seated into the camera's hot shoe.

• Signal disturbance or shooting inteference

- Change a different channel on the trigger.

• Short workable distance or flash missing.

- Check if batteries are exhausted. If so, replace with new batteries.

MAINTENANCE

- **Avoid sudden drops.** The device may malfunction after strong shocks or impacts.
- **Keep dry.** The device is not water-proof. Malfunction, rust, and corrosion may occur and the device may go beyond repair if immersed in water or expose to high humidity.
- **Avoid sudden temperature changes.** Condensation may happen if the ambient temperature changes suddenly, for example, in a case when the trigger is taken out of a build with a high temperature to outside in winter. Please put the trigger in a handbag or plastic bag beforehand.
- **Keep away from strong magnetic field.** The strong static or magnetic field produced by devices such as ratio transmitters leads to malfunction.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