



## TTL Transceiver TR-611 TR-612

with TTL Pass-through for Canon RT & Nikon



## Thank you for purchasing the ORLIT TR-611C/612N TTL Transceiver.

TR-611C is designed especially for CANON cameras and can work wirelessly with the Canon RT radio system.

TR-612N is designed especially for NIKON camera.

Please read all the information contained in this user's guide carefully, keep it in a safe place and share it with other users.

The ORLIT TR-611C/612N TTL Transceiver is designed especially for TTL functions. Using a TR611C/612N on the camera's hot shoe, a photographer can easily adjust the exposure for Orlit Rovelight RT610 TTL Monolights, Orlit RT600C Speedlites and CANON/NIKON Speedlites.

Plus this TTL wireless flash transmitter can trigger one or more receivers for studio flash and speedlites. Featuring multi-channel triggering, stable signal transmission, and sensitive reaction, it gives photographers wide flexibility and control over their strobist setups. The flash trigger applies to hotshoe-mounted Canon EOS series cameras, as well as the cameras which have PC sync sockets.

With the ORLIT TR-611C/612N TTL Transceiver, high speed synchronization is available for most of camera flashes which support RT and E-TTL II. The max flash synchronization speed is up to 1/8000s. 1/8000s is achievable when the camera has a max camera shutter speed of 1/8000s. 1/8000s is not achievable because some models of Canon EOS cameras have a max camera shutter speed of only 1/4000s.

ORLIT TR-611C/612N TTL Transceivers are not compatible to any other brand of wireless triggering system. ORLIT TR-611C/612N TTL Transceivers may not be compatible with some older models of cameras. Canon cameras manufactured before 2012 without Canon RT wireless radio awareness have limited functionality with the TR-611C.

Thank You for Choosing ORLIT! TTL Flash Extraordinaire.

## For Your Safety

- To prevent damage to your product or injury to you or to others, read the following safety precautions in their entirety before using this device. Keep these safety instructions where all those who use this device will read them. Failure to observe the precautions listed in this section could result in damage to the product.
- Do not disassemble or modify. Failure to observe this precaution could result in electric shock or product malfunction. Should the product break open as the result of a fall or other accident, remove the batteries and take the product to an authorized maintenance center for inspection.
- Keep dry. Do not handle with wet hands or immerse in or expose to water or rain. Failure to observe this precaution could result in fire or electric shock.
- Keep out of reach of children. This device contains small parts which may pose a choking hazard. Consult a physician immediately if a child swallows any part of this device.
- Turn off the transceiver immediately in the event of malfunction. Should smoke or an unusual smell come from this device, remove the batteries immediately in case of burning and take the device to an authorized maintenance center for inspection. Injuries could occur if it is further used.
- Do not expose to high temperature. Do not leave the device 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. Do not use in the presence of flammable gas. Failure to observe this precaution could result in explosion or fire.

- Observe precautions when handling batteries. Batteries may leak or explode if improperly handled. Observe the following precautions when handling batteries for use in this device:

Use only batteries listed in this manual. Do not use old and new batteries or batteries of different types at the same time.

Do not put batteries into a fire or apply direct heat to them.

Do not attempt to insert batteries upside down or backwards.

Batteries are prone to leakage when fully discharged. To avoid damage to the product, be sure to remove batteries when the product is not used for a long time or when batteries run out of charge.

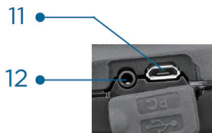
Should liquid from the batteries come into contact with skin or clothing, rinse immediately with fresh water.

Please don't attempt to repair or disassemble the ORLIT TR-611C/612N TTL Transceiver. Should repairs become necessary, this product must be sent to an authorized maintenance center. Let us know how you are enjoying this new monolight and share your successes with us.

If any questions or concerns arise as you use this flash, please call 212-647-9300 for personal technical support, or write [brands@adorama.com](mailto:brands@adorama.com).

You can shop all of our brands at [www.adorama.com/ourbrands](http://www.adorama.com/ourbrands)

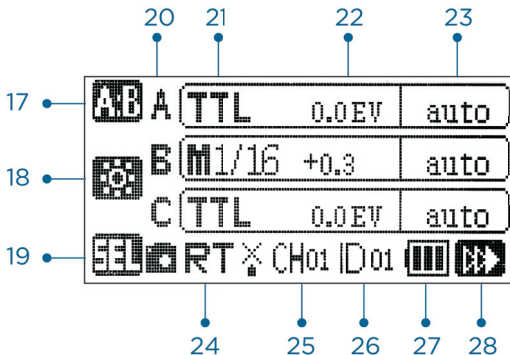
## Quick Menu



- 01. Shutter/flash test button
- 02. Flash status indicator
- 03. Group setting button
- 04. Light Ratio Mode ON/OFF selection button. Soft Menu = "+" button
- 05. Modeling lamp ON/OFF button. Soft Menu = "-" button
- 06. Selecting button
- 07. Hot shoe
- 08. Master/Slave mode switch button
- 09. Wireless channel setting button
- 10. Sync mode switch button/OK button
- 11. Mini USB socket
- 12. 2.5mm PC sync socket



- 13. Battery bin
- 14. Hot shoe lock
- 15. Hot shoe mounting foot
- 16. POWER ON/OFF slide switch



17. Soft Menu "Light ratio" icon / "+"
18. Soft Menu "Modeling lamp" icon / "-"
19. Soft Menu Selection key icon
20. "Group" icon
21. "Shooting mode" icon: TTL/M
22. EV icon
23. "Shooting mode" icon
24. "Wireless mode" icon: TR-611C-RF/RT & TR-612N-MASTER/SLAVE
25. "Wireless CH" icon
26. "Wireless ID" icon (only available for TR-611C in RT mode)
27. "Battery Power Level" icon
28. "SYNC mode" icon / OK icon

# TR-611C/612N TTL Trigger & Receiver Transceiver Operation Manual

## **POWER ON/OFF:**

Switch [16], turn on or power off the power.

Note: If the Orlit TR-611C/612N TTL Trigger & Receiver goes into auto sleep, the user can wake up the trigger by touching any button. There is no auto shut off function. Even while in sleep state, a new battery's power reserve will fully exhaust after 30 hours.

## **Shooting Mode Selection:**

### **TTL Mode:**

1. Pressing [3], changes the shooting mode of GR A/B/C to TTL mode.
2. When the highlighted selection is in the corresponding group, press [4] + or [5] -, to increase or decrease the EV compensation value. The adjustable range: TR-611C: -3.0 ~ +3.0 / TR-612N: -5.0 ~ +5.0, per 1/3 stop increase or decrease.
3. Press [6], switch to focal length adjustment.
4. Press [10] to confirm after adjustment.



## Important Notes:

1. The increase or decrease of EV compensation value only adjusts the camera's exposure compensation value. The EV compensation value of Orlit TTL flash light doesn't change with the transmitter's EV compensation value.
2. The focal length adjustment function only works with speedlights with a strobe zoom head which are compatible with this transmitter.
3. Focal length adjustment range:

TR-611C: auto/24/28/35/50/70/85/105

TR-612N: auto/18/20/24/28/35/50/70/85/105/120/135/180/200mm

## M Mode:

1. Pressing [3], changes the shooting mode of GR A/B/C to M mode.
2. When the highlighted selection is in the corresponding group, press [4] + or [5] -, to increase or the output power. The power range: 1/128 - 1/1, per 1/3 stop increase or decrease.
3. Press [6], to adjust the focal length of the flash coverage.
4. Press [10] to confirm after adjustment.

## Channel Selection:

### TR-611C:

1. Press [9], to switch the cursor to adjust the wireless CH channel.  
Press [4] or [5], to adjust the wireless CH channel value. The adjustable range: 01 ~ 15.
2. Press [10] to confirm after adjustment.

### TR-612C:

Press [9] or [10] to adjust. The adjustable range: 01 ~ 15.

## Sync Mode Selection (only on the TR-611C):

Press [10], to alternate between switch front-curtain sync/rear-curtain sync/HSS(high speed sync).

## Modeling Lamp Switch:

1. Press [5], switch to use the modeling lamp set up menu.
2. TR-611C: press [3] or [4]/[5]/[6], to turn on or turn off the corresponding group's modeling lamp. Press [3], the corresponding indicator lamp will be illuminated or extinguished.  
TR-612N: press [4]/[5]/[6], to turn on or turn off the corresponding group's modeling lamp.
3. Press [10] to confirm after adjustment.

### Master/Slave Mode Switch:

1. Press [8], switch to activate the Master/Slave mode switch menu.
2. Press [3] or [4]/[5]/[6], to switch the device to Group A/B C's slave state. The corresponding indicator lamp of [3] will be highlighted.
3. Press [8] to exit the mode.  
Note: Every device can only be set to one group slave state.

### Light Ratio Mode:

1. Press [4], switch to light ratio mode menu: A:B mode or A:B C mode.
2. Press [6] to adjust light ratio range. Light ratio range:  
TR-611C: 1:8/1:5.6/1:4/1:2.8/1:2/1:1.4/1:1/1.4/1:2/1:2.8/1:4/1:5.6/1:8/1  
TR-612N: 8:1/7:1/6:1/5:1/4:1/3:1/2:1/1:1/1:2/1:3/1:4/1:5/1:6/1:7/1:8
3. Under A:B C mode, press [6], to adjust Group C's EV compensation value. Adjustable range: TR-611C: -3.0~+3.0 / TR-612N: -5.0~+5.0, per 1/3' increase or decrease.
4. Press [4] to exit the mode.

### TR661C Third Party Receiver Use:

1. Press [8], switch to SLAVE mode.
2. Press [6], SEL button repeatably until the "Wireless mode" icon is highlighted.
3. Use [4] or [5] to change the value to "RF" Wireless mode.
4. Be sure that your connection is firm using the PC cable to your flash.
5. Test your connection using button [1]. Confirm by firing the TR611C transmitter set to the same Channel and Group.

Not all brands of third party flash have proper voltage for use with the TR611C. Use for flash sync only. No other controls are possible.

## RT Wireless Communication Mode (only on the TR-611C):

1. Press [6], move cursor to [24].
  2. Press [4] or [5], adjust to RT wireless communication mode to activate Canon RT wireless radio mode.
  3. Press [9], switch cursor to RT CH channel adjustment, adjustable range: 01 - 15. The value must match on all linked flash units!
  4. Press [9] again, switch cursor to RT's ID adjustment., adjustable range: 00-99. The value must match on all linked flash units!
  5. Press [10] to confirm after adjustment.
- Note: Under RT wireless communication mode, TR-611C Transceiver can directly wirelessly control ORLIT speedlights and monolights or Canon Speedlites.

## Two Year Orlit Limited Warranty

Orlit warrants to the original purchaser that your Orlit product shall be free from defects in material and workmanship for the period of two (2) years from the date of purchase (or delivery as may be required in certain jurisdictions), or thirty (30) days after replacement, whichever comes later.

Orlit's entire liability and your exclusive remedy for any breach of warranty shall be, at Orlit's option, to repair or replace the hardware, provided that the hardware is returned to the point of purchase or such other place as Orlit may direct with a copy of the sales receipt or dated itemized receipt. Orlit may, at its option, replace your product, offer to provide a functionally equivalent product, or repair any product with new, refurbished or used parts as long as such parts are in compliance with the product's technical specifications. Any replacement hardware product will be warranted for the remainder of the original warranty period or thirty (30) days, whichever is longer, or for any additional period of time that may be applicable in your jurisdiction.

If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function. This warranty does not cover problems or damage resulting from accident, abuse, misapplication, or any unauthorized repair, modification or disassembly, improper operation or maintenance, normal wear and tear, or usage not in accordance with product instructions or connection to improper voltage supply, use of consumables, such as replacement batteries, not supplied by Orlit, except where such restriction is prohibited by applicable law.

Except where prohibited by applicable law, this warranty is nontransferable and is limited to the original purchaser and the country in which the product was purchased. This warranty gives you specific legal rights, and you may also have other rights, including a longer warranty duration that may vary under local laws.

To start a warranty claim contact the Orlit Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Orlit, along with the RMA number and proof of purchase.

**Question about our product line? Need Product Support?**

We are proud of our products and celebrate our customers.

We are with you from product selection to everyday use.

Be secure with your purchase and reach us as you need.

**Email us:** [brands@adorama.com](mailto:brands@adorama.com) **Call:** 212-647-9300

**Address:** Adorama Brands, 42 West 18th Street, New York, NY 10011

**You can always contact us at [BRANDS@ADORAMA.COM](mailto:BRANDS@ADORAMA.COM) for personal technical support. Our web site contains a wide range of Support and FAQ pages with valuable technical assistance.**

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## TTL Flash Extraordinaire with Rovelight RT

1. Rovelight RT 600AC
2. TR-611/612 Transceivers
3. Rovelight RT 800AC
4. RT600-C Speedlite
5. Rovelight RT 610





2



3



4



5







ORRRTR611C  
ORRRTR612N

For assistance, you can always email [Brands@Adorama.com](mailto:Brands@Adorama.com)