ORL⚡T

Rover RT TTL
Wireless 300ws
off camera flash system
Portable Lightweight Lithium Power

Thank You for Choosing ORLIT!

TTL Flash Extraordinaire.

The new ORLIT ROVER RT TTL WIRELESS STROBE represents a triumph in wireless Canon RT technologies! The Orlit Rover RT TTL is a 300ws lightweight portable strobe, compatible with RT radio system and Orlit TR series transmitters for remote power control. The incredible amount of raw energy and innovation in these compact and lightweight units make the RT System the first choice of Canon professional photographers, and the Orlit Rover RT TTL is the perfect solution for the pro photographer on the move. With a focus on portable lighting, the RT compatible collection hopes to free your camera to go out and... ROVE.

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

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 write to brands@adorama.com or call 212-647-9300 for personal technical support.

You can shop all of our brands at www.adorama.com/ourbrands

Features Include

- 300ws 190GN superb power in the most miniaturized head and power pack package for studio and location
- Built in 2.4Ghz ORLIT RT radio system for full Canon RT ETTL built-in remote control
- Very fast 0.3 – 1.3 second recycle time
- Incredible long-life battery using Lithium Ion Technology, with a replaceable 14.8V / 2,500mAh battery module
- 9 stop power range from full to 1/256 in 1/3 and 1/10 stop increments
- EV TTL Override Adjustment from -3.0 to +3.0EV
- Up to 20 exposures per second capability
- 10W LED Modeling Light (Tungsten Equivalent, 3200ºK) with manual and proportional modeling lamp intensity settings
- Canon, Nikon, Sony, and Fujifilm Radio Slave Modes
- Backward compatible with the Flashpoint Rovelight radio control system for manual output control and triggering
- Industry benchmark range and interference avoidance with the new Orlit RT Radio System
- Links wirelessly with Orlit RT-600Canon TTL Speedlight
- Recycle audio signal
- IGBT technology for shorter flash durations and HSS to 1/8000s
- Action stopping Freeze Mode in Manual – 1/800s – 1/19000s
- Wireless Range – 980ft/300m plus with Orlit TR-Q6C/N/S/F as Transmitter
- Groups – A / B / C / D / E / F / G / H / I / J
- 16 Channels
- Overheat Protection
- Continuous Capture remote mode sense
- Can also be triggered optically, or with a standard 3.5mm sync cord
- Tilt head with integrated umbrella mount
- Vents and automatic fans for cooler, quieter running lights
- Battery dot-matrix LCD panel with clear and convenient operation
- Stable color temperature at 5500° $^{+/-}$150°K over the normal power range
- Extensive Custom Functions
- Auto Memory Recall
- Mini USB Port for Firmware Upgrades
- 2 Year Warranty

For Your Safety

Please do not put the Rover RT TTL in an environment where flammable liquid is likely to come into contact with this product.

Do not use the strobe unit in the presence of flammable gases, chemicals and other similar materials. In certain circumstances, these materials may be sensitive to the strong light emitting from this strobe unit and fire may result.

This product contains high-voltage electronic parts. Touching the high-voltage circuit inside it may result in electric shock. Do not disassemble. Should repairs become necessary, this product must be sent to an authorized maintenance center. Please do not attempt repairs to your lighting equipment personally.

Always keep this product dry. Do not use in rain or in damp conditions. Please dry your hands before handling the equipment, as wet hand are dangerous to both the equipment and to you.

Please do not touch the flash tube or modeling lamp with bare hand.

Do not use any power supply other than the included one to charge the battery. Please do not use the flash while the battery is connected to the charger.

Please do not plug the charger in until after you have connected it to the battery.

Do not insert metal parts into any lighting equipment, except the special umbrella channel. Please ensure that you have firmly tightened the handle on the umbrella bracket before using it to support the unit.

Please do not fire the strobe at very close distance to people, pets or items, as the strobe releases intense heat and can cause damage and serious injury.

This strobe has an over-heat protection circuit, rapid continuous firing will cause the strobe to slow operation and trigger a "cool down" period. After this period, the strobe will resume normal operation. You may also reboot the strobe by cycling the power off and then on.

The strobe has a locking pin to ensure secure operation. To avoid damage, slide the release before removing any reflectors or accessories. In case of abnormal function, sparks, excessive heat, flames or smoke, immediately power off the unit and disconnect the battery if possible. Have it checked by an authorized technician.
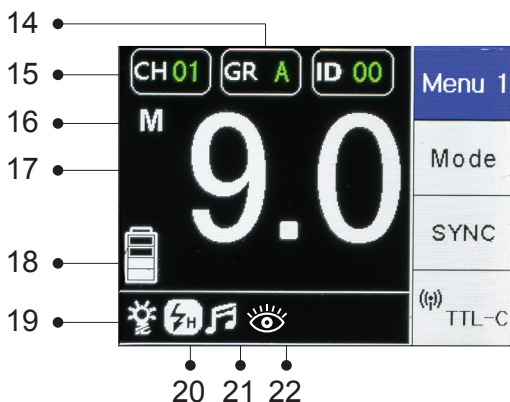
Content

Download the **ORLIT Smartphone App** that seamlessly integrates the latest in wireless command into your studio life, with a rich array of command screens that gives touch control to the myriad of ORLIT features without going near your set, right from your favorite Smartphone. In tandem with the studio friendly ORLIT TR-Q6 wireless remote, the pair blends the harmony of beauty and innovative function into a device that seems to anticipate the needs of phone connoisseurs. Your studio - at your fingertips!
Available for Android in Android Play and Apple in iTunes App Store!

1) Flash Tube
2) Umbrella socket
3) Light head tilt lock
4) Light stand lock knob
5) Light head power cable
6) Lithium battery
7) Battery charge socket

8) Light head socket
9) Power switch / Modeling lamp
10) Function button
11) Power output knob / OK
12) Sync cord socket
13) Flash test button

14) GR (Group): A / B / C / D / E / F /G/ H / I / J
15) CH (Channel): 00~15
16) MODE Display: M / TTL
17) Power output display: TTL: -3.0 to +3.0 EV / M: 1.0~9.0 /
     HSS: 6.0~9.0
18) Battery
19) Modeling lamp
20) SYNC MODE: Normal / HSS / Freeze
21) Recycle Beep
22) Optical Cell

LCD Panel Menus

Settings and Options

| MENU1	MODE	SYNC	$^{((\gamma))}$TTL-C

MODE -- Switch between M & TTL

SYNC -- Switch between Flash Sync modes

> NOR Normal flash

> 5H High Speed Sync, shutter speed up to 1/8000s
> (Canon/Nikon/Sony/Fujifilm)

> FRE Max 1/19000s, sync with shutter speed.
> (No FREEZE Sync with TTL mode)

$^{((\gamma))}$TTL-C -- Wireless Remote Control (Icon changes with Camera System)

> TTL-C: Canon remote control (TR-Q6C/TR-611)

> TTL-N: Nikon remote control (TR-Q6N/TR-612)

> TTL-S: Sony remote control (TR-Q6S)

> TTL-F: Fujifilm remote control (TR-Q6F)

> CH/GR: Flashpoint CH&GR remote control
> (TR-A6II C/TR-A6II N/TR-V6)

> TRS-V: Flashpoint TRS-V remote control (TRS-V)

MENU2	CH	GR	ID

> CH -- Channel can be chosen between 00~15

> GR -- Group can be chosen between A/B/C/D/E/F/G/H/I/J

> ID -- Canon RT radio ID numbers can be set between 00~99.
> Rover RT and Canon speedlites can be synchronized
> when CH&ID numbers are the same value.

MENU3	♫	👁	🔆

♫ -- Beep remind: Turn on/Turn off

👁 -- Cell: Turn on/Turn off

🔆 -- Modelling lamp: Proportion 🔆 PRO /Independent 🔆 1.0~9.0

MENU4	EasyCap	All 1	No.1

EasyCap -- EasyCap: Open --

Close -- | All 1 | No.1 | Dark icon / Light icon

All 1 -- Total groups of flashes under EasyCap mode, from All1~ All 6

No.1 -- Numbers of flash heads under EasyCap mode, from No.1~No.6

MENU5	Delay	00.00	

00.00 -- Delay: Open --

Close -- | 00.00 | Dark icon / Light icon

Delay -- Time set, delay from 00.00 to 30.00 seconds

Orlit Rover RT TTL Operation

Power on/off

Switch on: Long press on the POWER button [9]

The LCD screen lights up and enters the operation interface.

Switch off: Long press on the POWER button [9]

LCD screen turns off.

The Orlit Rover RT TTL can operate in two modes to satisfy the photographers' different demands and preferences.

TTL MODE

(1) Press the 1st Function [Menu] button (10) and switch to MENU1. Press the 4th Function button for selection of wireless channel to TTL-C (Canon), TTL-N (Nikon) TTL-S (Sony), or TTL-F (Fujifilm).

(2) Press the 2nd Function [Mode] button (10) and switch to TTL mode.

(3) Press the 3rd Function [Sync] button to choose the sync mode: Normal [NOR] mode or HSS high speed sync mode.

(4) Press the 1st Function button [10] and switch to MENU2 to set up CH (channel) and GR (Group). The value must be the same as the remote trigger transmitter device.

(5) Press the 1st Function button [10] and switch to MENU3.

(6) Press the 2nd Function button [10] to control the Recycle Beep.

(7) Short press the Modeling Lamp button [9] to control the modeling lamp.

(8) The TTL EV adjustment range is -3.0EV ~ +3.0EV. For 1/10 f-stop increments: Turn the Power output knob [11] directly to change the power. For 1 f-stop increments: Long press the Power output knob [11]. The power value becomes green. Turn the knob to change the power in full stops.

M (Manual) Mode

(1) Press the 1st Function button [10] to switch to MENU1, and press the 4th Function button to switch wireless channel to TTL-C (Canon), TTL-N (Nikon) TTL-S (Sony), or TTL-F (Fujifilm).

(2) Press the 2nd Function button [10] and switch to M (Manual) mode.

(3) Press the 3rd Function button [10] to choose sync, Normal [NOR] mode or HSS (high speed sync mode), or Freeze [FRE] mode.

(4) Press the 1st Function button [10] to switch to MENU2 to select the CH (Channel) and GR (Group).
All remote receiver flashes must be set to the same values as the trigger transmitter device.

(5) Press the 1st Function button [10] and switch to MENU3.

(6) Press the 3rd Function button [10] to switch the Recycle Beep on or off.

(7) Short press Modeling Lamp button [9] to control the modeling lamp.

(8) Power output adjustment range: 1.0~9.0 in 1/10 f-stop increments. For 1/10 f-stop increments: Turn the Power output knob [11] directly to change the power. For 1 f-stop increments: Long press the Power output knob [11]. The power value becomes green. Turn the knob to change the power in full stops.

Easy Cap Mode

Easy Cap Mode can sequence up to 6 flash groups, isolating subject and background for image processing software post production, assuring clean clipping path silhouetting.

MENU4	EasyCap	All 1	No.1

1. Short press the button corresponding to "Easy Cap".
   Turn the Easy Cap mode, LCD will display " 👤 "

2. Short press the button corresponding to " All 1 ". The number will turn black. Turn the rotary knob, set the quantity of GROUPs that will be related to the Easy Cap mode. Max. setting is 6 GROUPs "All 6". The quantity of flash light that is included in each GROUP is unlimited.

3. Short press the button corresponding to " No. 1 ". The number will turn black. Turn the rotary knob to set the sequence of the GROUP in the Easy Cap mode. Max setting is 6 GROUPs "No.6". After the setting, the GROUPs will flash according to the number sequence it is set.

Example with 2 flash Groups

- There are 2 GROUPs related with Easy Cap mode. Set "All 2"
- The 2 main flash lights are set to "No.1"(Group 1). They will be triggered only with the first frame.

  See Figure 1 - correct exposure on the main subject
- The 2 background flash lights are set to "No.2"(Group2). They will not be triggered with the first frame, but only the second frame.

  See Figure 2 - exposure only to background, no exposure on main subject.
- With an image process software, the main subject can be quickly cutout from the background.

Figure 1   Figure 2

Important Orlit Rover RT TTL Feature Notes

1. **Freeze mode [FRE]**
   Freeze mode can be used only in M (Manual) mode. The mode provides the shortest flash duration for ultra stop action.

2. **Wireless remote control**
   When TTL-C (Canon), TTL-N (Nikon) TTL-S (Sony), or TTL-F (Fujifilm) is selected in wireless remote control on screen, Rover RT TTL is set to be triggered or controlled ONLY by an Orlit or Canon RT TTL trigger.

   When A6 is selected in wireless remote control on screen, Rover RT TTL can be controlled by a TR-A6 or TRS-V transmitter offered by Flashpoint. In this mode, GR does not appear on the Rover RT TTL. Set the TRS-V in the same channel on the Rover RT TTL.

   When TRS is selected in wireless remote control on screen, Rover RT TTL can be controlled by a TRS transmitter offered by Flashpoint. In this mode, GR does not appear on Rover RT TTL. Set the TRS to the same channel on the Rover RT TTL.

3. **Overheat protection**
   In the event of thermal overheating, the Rover RT TTL will automatically go into overheat protection mode, display an OH symbol on the LCD and shut down. When the unit cools down sufficiently, the flash will start to work again.

4. **Continuous Capture**
   When the camera is set to continuous capture mode, or high speed repetitive shooting, the power output range of Rover RT TTL is 1.0 to 3.0. However, Rover RT TTL does not have any confirmation display of continuous capture mode on the LCD panel.

BATTERY MAINTENANCE

Attaching the Battery Module:

1. Align battery module lock tab to the left side of the power pack.
2. Slightly press the power pack down over the right side of the battery.
3. The battery is locked in place when you hear a 'click' sound

To release the battery, press the battery release button

Battery release button   battery lock   charging socket

For optimal performance, the battery should be maintained by following these instructions. Only use the Orlit battery charger 14.8V 2500mAh.

1) **Battery capacity check**
   Press CHECK button to check current battery capacity.
   4 sections: 100~75% / 3 sections: 75~50% / 2 sections: 50~25%
   1 sections: 25~5% / 0 sections: less than 5%

2) **Lithium battery care and maintenance**
   Lithium battery (DC 14.8V 2500mAh), the new battery achieves optimal performance only after two or three complete charge and discharge cycles. Li-ion battery can be charged and discharged approximately 300 times. When the flash recycle time increases or the battery usage time shortens, replace the cell with a new original Orlit battery.

Environmental temperature effects the useful life and recharge efficiency of the battery. Battery capacity is reduced if allowed to overheat or freeze. The battery works best in an ambient temperature range of 59~77F. When environment temperature is lower than 32F, the battery capability will be limited even at full power. Charge a depleted battery immediately to protect the capacity and life span. Do not ignore the low voltage warning on the battery level indicator.

To avoid battery deterioration, please wait 10 minutes to cool the battery every time after using the Rover RT TTL. Turn off the power switch or disconnect with charger before taking out battery. Please complete a full recharge if the unit has not been used for 3 months.

BATTERY PRECAUTIONS

Do not short circuit. Do not expose to rain or immerse in water. This battery is not waterproof. Keep out of reach of children. Do not keep on charger for more than 24 hours. Store in dry, cool, ventilated places. Do not put near or into fire. Dead batteries should be disposed according to local regulations. If the battery had not been used for over 3 months, please complete a full recharge.

Technical Specification

Product name	Orlit Rover RT TTL
Product code	ORLFRLRTK
Guide number	GN 190ft / 58m @ ISO 100
Maximum power	300ws
Flash power variation	Manual: 1.0-9.0 HSS: 6.0-9.0 TTL: -3.0 to +3.0 EV 1 f-stop / 0.1 f-stop increments
Recycling time	0.3-1.3s
Flash mode	M / TTL mode
SYNC mode	Normal / HSS / Freeze
Flash duration (t=0.5)	NOR: 1/800-1/8000s Freeze: 1/800-1/19000s
Color temperature	NOR: 5500°K $^{+/-}$150°K Freeze: 5500°K $^{+/-}$800°K
Modeling lamp	10W LED
Canon Wireless receiver	Built-in RT 2.4GHz
Channel / Group	CH: 00-15 / GR: A/B/C/D/E/F/G/H/I/J
RF Wireless Receiver	Canon, Nikon, Sony, Fujifilm
SYNC socket	3.5mm
SYNC voltage	DC 5V
Battery	DC 14.8V 2500mAh
Thermal safety	Overheat protection system
USB firmware update support	Yes
Weight	4.2lb / 1.92kg
Dimensions	Head: 4.1x5.7" / 105x145mm Battery Pack: 6.5x2.6x7.7" / 165x67x195mm

More ORLIT Products

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

6. RoveLight RT 601
7. Rover RT
8. ST-RT Wireless Transmitter
9. TR-Q6 RT Studio Flash Trigger

ORLIT

ORLIT RT-600C TTL RT Speedlite For Canon
ORLFSMRT600C

ORLIT ROVELIGHT RT 600AC/800AC TTL
ORLFRL600RTB
ORLFRL800RTB

AC Adapter Unit for Rovelight RT 610
ORPPRT610AC

ORLIT RoveLight RT 610 HSS TTL Monolight
ORLFRL610RTB

ORLIT TR-Q6C TTL STUDIO FLASH TRIGGER
ORRRTRQ6C

ORLIT TR-611C TTL 2.4Ghz Transceiver for ORLIT Rovelight RT 610
ORRRTR611C

ORLIT Rover RT TTL Off-Camera Flash Kit
ORRRTRQ6C

Available on the App Store

ANDROID APP ON Google play

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.

Technical Support

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
Call: 212-647-9300
Address: Adorama Brands, 42 West 18th Street, New York, NY 10011

**You can always contact us at 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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ORLFRLRTK

For assistance, you can always email Brands@Adorama.com