ORL/T

Rovelight RT 601

Monolight with On Board Power
Bowens Mount

Thank You for Choosing ORLIT!
RT Flash Extraordinaire.

The ORLIT ROVELIGHT RT601 WIRELESS MONOLIGHT brings world class breakthrough in wireless Canon RT, Nikon and Sony radio compatible Monolight, to the photographer that insists on the total control of manual power. The Orlit Rovelight RT601 is a 500ws fully cordless strobe, based on the same technology built into the RT610 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 Rovelight 610 RT is the next evolution of the RT class of strobes. 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

- 249GN at 2m ISO100 with 55˚ Reflector
- Compact design, eliminating the need for cords and AC powered strobes
- Incredible long-life battery using Lithium Ion Technology, with a replaceable 14.8V / 6000mAh battery module
- Built in 2.4Ghz ORLIT RT radio system for full Canon RT built-in remote control.
- Canon & Nikon 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 new Orlit RT-600Canon TTL or 600Nikon TTL Speedlights
- Power adjusts from full 9.0 to 1.0 power in 1 and 1/10 stop increments
- 10W LED Modeling Light (60W Tungsten Equivalent, 3200K) with 3 modeling lamp intensity settings
- Recycle audio signals
- IGBT firing allows for shorter flash durations and HSS to 1/8000th
- Short Flash Duration (Freeze Mode) – 1/600s – 1/19000s
- Delay Mode flexibility for altering sync from 00.00 to 30.00s
- Easy Cap Mode for sequencing up to 6 flash groups, isolating subject and background for image processing software
- Wireless Range – 980ft/300m plus with Orlit TR-611C / TR-612N and the TR-Q6 with APP as Transmitter
- 6 Groups – A / B / C / D / E / F
- 16 Channels
- Auto Thermostatically Controlled Fan Cooled with Overheat Protection
- Continuous Capture (Canon) 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

- Many accessories available for the standard Bowens Mount

- Rear dot-matrix LCD panel with clear and convenient operation

- Stable color temperature at 5500°3150° K over the normal power range

- Extensive Custom Functions

- Auto Memory Recall

- Recycle Audio Prompt

- Mini USB Port for Firmware Upgrades

- 1 Year Warranty

Watch for the **New 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!

For Your Safety

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.

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.

Stop using this product if it breaks open due to internal shifting, falling or strong impact. STRONG electric shock may occur if you touch the components inside.

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.

Do not leave or store the strobe unit if the ambient temperature reads over 122 ° F/50°C (e.g. in automobile in the sun). Otherwise the electronic parts may be damaged.

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.

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

Do not touch the electrical contacts on the strobe or battery or contact them with any conductive materials.

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.

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 a dry, cool, ventilated place.
- 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 recharge.

Firmware Upgrade

The ORLIT Rovelight RT601 supports firmware upgrades through the USB port Update information will be released on the ORLIT official website.

Maintenance

Avoid sudden impacts. The product should be kept dust free. It is normal f or the flash tube to be warm when in use. Avoid continuous flashes if unnecessary. Overheating the flashtube weakens its strength.

Shut down the device immediately should abnormal operation be detected. If the product exhibits failures or was exposed to liquids, cease its use until it is repaired by professionals.

Maintenance of the flash must be performed by our authorized service department which can provide original accessories. This product, except consumables, e.g. flash tube, is supported with a two-year warranty. Unauthorized service will void the warranty.

Changes made to the specifications or designs may not be reflected in this manual.

1) Power supply battery module

2) Handle

3) Light tilt lock

4) LED modeling lamp

5) Battery release button

6) Glass protector (not Included)

7) Light stand mount lock
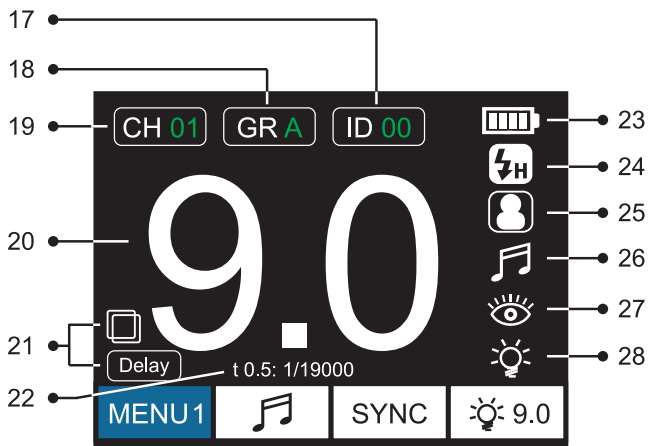
8) Flash tube

9) Function button
10) Test flash
11) Power output knob
12) Umbrella socket

13) Sync socket
14) LCD screen
15) Modeling lamp / Power switch
16) Infra red sensor

17) ID——00~99

18) GR——A/B/C/D/E/F

19) CH——00~15

20) Power output——M: 1.0~9.0 / HSS: 4.0~9.0

21) Continuous flash 　□　 Delay Flash 　Delay

22) Flash duration (t=0.5)

23) Battery——100% / 75% / 50% / 25%

24) Flash mode—"NOR"Normal flash / ⚡H HSS /"FRE" Freeze

25) EasyCap—— 👤

26) Beep

27) Cell

28) Modelling lamp

Battery Groove

1. Battery Installation

Install the battery by sliding the battery guidepost along the battery groove to the end and press the battery release button to engage lock.

BatteryGuidepost

2. Battery Release

Press battery release button to remove the battery.
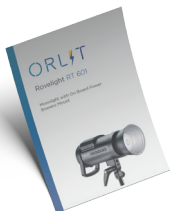
3. Battery Charge

Charge time is about 3 hours. When fully charged, the light changes from red to green.

Battery Charger Plug-in

Content included

Plastic protector

Instruction manual

RT-601 monolight
& 6000mAh Lithium battery

Charger

Strap

RT kit bag

LCD Panel Menus **Settings and Options**

MENU1	$^{((\eta))}$CH/GR	SYNC	☼ 9.0

$^{((\eta))}$CH/GR ——Wireless remote control

  $^{((\eta))}$TTL-C   For Canon(TR-Q6C /TR-611)

  $^{((\eta))}$TTL-N   For Nikon(TR-Q6N /TR-612)
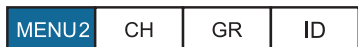
  $^{((\eta))}$TTL-S   For Sony(TR-Q6S)

  $^{((\eta))}$CH/GR   For Flashpoint TR-A6C/TR-A6N/TR-V6 remote control

  $^{((\eta))}$TRS-V   For Flashpoint TRS-V remote control

SYNC ——Switch between flash modes

☼ 9.0 ——Modelling lamp Proportion ☼PRO / Independent ☼ 1.0~9.0
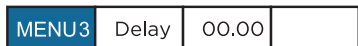
MENU2	CH	GR	ID

CH ——Channel can be chosen from 00 to 15

GR ——Group can be chosen between A/B/C/D/E/F

ID 00~99 ("ID"setting is only available when wireless mode is set to Canon $^{((\eta))}$TTL-C)

(Under wireless mode of $^{((\eta))}$TTL-C for Canon, Canon speedlite can trigger HD-601 directly by RT signal(ZGB). CH and ID should be the same, range of power control will be 2.0-9.0 then)

MENU3	Delay	00.00	

Delay ——Delay: Open—— 00.00 Dark icon
                        Close——   Light icon

00.00 ——Time set, delay from 00.00 to 30.00 seconds

MENU4	EasyCap	All 1	No. 1

EasyCap —— 👤 EasyCap Open —— All 1 No. 1 Dark icon
                              Close ——   Light icon

All 1 ——6 groups under mask mode, from all 1 to all 6.

No. 1 ——6 flash heads under mask mode, from No. 1 to No. 6

MENU5	🎵	👁	

🎵 ——Beep remind: Turn on / Turn off

👁 ——Cell: Turn on / Turn off

ORLIT Rovelight RT-601 Flash Modes

The RT601 functions as a RT radio receiver monolight for Canon and Nikon.
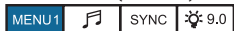
Power on/off

Switch on press and hold POWER button (15) for 15 second until the LCD screen lights up and enters the operation interface welcome screen.

Switch off press and hold POWER button (15) for 15 second until the LCD screen turns off..

MENU2	CH	GR	$^{((\mathbf{p}))}$CH/GR

1) Press Function button "9" and switch to MENU 2 to set up wireless channel to select either TTL-C / TTL-N / TTL-S / CH/GR / TRS-V.
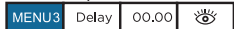
2) Press Function button to set up CH (channel) and GR (group). The values must match CH (channel) and GR (group) on the trigger remote and the RT-601.

MENU1	♬	SYNC	☼ 9.0

3) Press Function button "9" and switch to MENU 1, press the button corresponding to "SYNC" to set different modes: NORMAL NOR / ⚡H HSS / FREEZE FRE

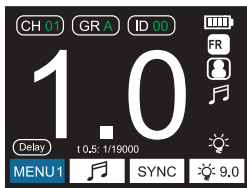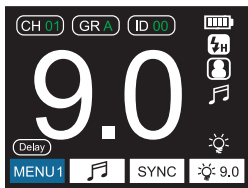4) Press the button corresponding to " ♬ ", to turn on or off the BUZZ mode

5) Press the button corresponding to " ☼ ", to set the modeling lamp
   Proportion mode - LED changes the power with the flash output.
   Independent mode - power of LED can be changed independently.
   Short press the modeling lamp button "15" to turn on or off the LED.

MENU3	Delay	00.00	👁

6) Press Function button "9" and switch to MENU 3 to set up CELL mode 👁

7) Press the button corresponding to " Delay " to turn on the DELAY mode. Short press the button corresponding to "00.00", the number will turn black. Turn the rotary knob, set the delay time from "00.00" to "30.00" second.

8) Setting on power output 1.0 ~ 9.0 0.1f-stop increment: Turn the rotary knob to set the power output in 0.1F STOP 1.0f-stop increment: press the rotary knob, the power output value will turn green, turn the rotary knob to set the power output in 1.0F STOP.
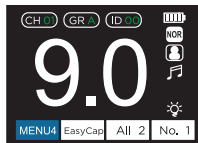
Easy Cap Mode

MENU4	EasyCap	All 1	No. 1

1) Short press the button corresponding to "EasyCap".
   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" (Group1). 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 Rovelight RT-601 Feature Notes

1. Freeze Mode

Freeze mode reduces the flash duration to a mere l/19000s.

2. Continuous Capture (Canon camera only)

The LCD display shows the continuous shooting icon when the camera switches to continuous shooting mode. The power output range of the RT-601 is limited automatically from 1.0 to 3.0 in this mode. If power output of HD-601 is above 3.0, it will be automatically decreased to below 3.0. Note: the RT-610 does not have continuous capture option. The Canon camera sets the mode when synced to the RT-601 without intervention on the flash.

3. Overheat Protection

In the event of thermal overheating, the RT-601 will go into overheat protection mode, display an OH symbol on the LCD and shut down. When the RT-601 cools down, the unit will come back on and the OH indicator will turn off.

Battery Maintenance

For optional performance, the battery should be maintained by following instruction. Only use the supplied ORLIT battery charger 16.BV 4 0A

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 section: 25-5%

0 sections: less than 5%

2. Lithium Battery Care and Maintenance

Lithium battery (DC 14.BV 6000mAh), the new battery reaches optimal performance only after two or three complete charge and discharge cycles. Li-ion battery can be charged and discharged 300 times or so, with the increase of the frequency of use, the battery capacity decreases. When the flash recycle time increases or the battery usage time shortens, replace the old one with a new ORLIT original battery.

Environment temperature effects the useful life and recharge of battery. Extremes in temperature effect the battery capacity and shorten useful life. The battery works best in an ambient temperature range of 59° F-77° F. When environment temperature is lower than 0° C, battery capability will be limited even at full power

Charge a depleted battery immediately to protect the capacity and life span. The LED battery level indicators warm of low voltage which can ruin the battery and the RT-601.

To maintain battery vigor, wait 10 minutes after use before recharging, remove from power and store in a dry place. Turn off power switch or disconnect charger before removing the battery. If the battery had not been used for over 3 months, please complete a full recharge.

Install the Glass Protector

1. Align the glass protector to the inner side of metal springs.

Glass protector not included for the 601

2. Push one side of the glass protector towards the metal spring.

3. Push the other side of the glass protector.

Guide number		76GN@2m ISO100	
Maximum power	500Ws	Voltage stabilization	1%
Flash power variation		M:1.0-9.0 / HSS: 4.0-9.0 1 f-stop / 0.1 f-stop increment	
Recycling time		2.3s at full power	
Flash mode		M / EasyCap / Delay	
Sync modes		Normal / HSS / Freeze	
Flash duration(tO.S) NOR:1/600s-1/8000s/ FREEZE:1/600s-1/19000s			
Color temperature	NOR: 5500˚K3150˚K / FREEZE: 5500˚K3800˚K		
Modeling lamp	10W LED. Proportion / Independent mode		
Wireless receiver		Built-in 2.4GHz	
Channel / Group		CH: 00-15 / GR: A/B/C/D/E/F	
Infra-red sensor		Built-in infra-red sensor	
Sync socket	3.5mm	Sync voltage	DC6.5V
Lithium battery		DC14.8V 6000mAh	
Delay Mode Range		00.00 - 30.00s	
EasyCap Groups and Sequence		All 1- 6 / No. 1-6	
USB firmware update support; Thermal protection method		Yes	
Weight		5.0 lb/2.3Kg (without battery)	
Dimensions		14.0x4.6x7.7 in/355x117x195mm	
Auto power off	After 60 minutes / Sleep activated after 10 minutes		
Battery capacity		Up to 450 times at full power	
Battery life		300 charge cycle (to 80% capacity left)	
Operating room temperature		32F-104F/0˚C-40˚C	

One 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.

ORLIT is a registered trademark of ADORAMA CAMERA

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 Studio

ORL/T

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

ORLFRL601RTB

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