ORL⚡T

Rovelight RT
600AC TTL / 800AC TTL

AC TTL Monolight
Bowens Mount

Thank You for Choosing ORLIT!
TTL Flash Extraordinaire.

The new ORLIT ROVELIGHT RT 600AC and 800AC TTL WIRELESS MONOLIGHTS represent a world class breakthrough in wireless technologies featuring the first Canon RT ETTL and Nikon iTTL compatible AC 600 and 800 watt second monolights.

The Orlit Rovelight RT 600AC and 800AC are fully compatible with the Canon 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 Rovelight RT 600 and 800 are the next development of the RT class of strobes.

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

- RT600AC: 262GN(ft)/80GN(m) 600ws. RT800AC: 295GN(ft)/90GN(m) 800ws superb power in the most efficient package in AC powered strobes
- Built in 2.4Ghz ORLIT RT radio system for full Canon RT built-in remote control
- Canon ETTL & Nikon iTTL IR Slave Modes
- RT600 speeds at 0.8s full power to 0.05s minimum power recycle time
- RT800 exceeds at 1.0s full power to 0.05s minimum power recycle time
- 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-600 TTL, Canon 600EX-RT or Orlit TR-611C, TR-612N, or TR-Q6 Remotes
- IGBT firing allows for shorter flash durations and HSS to 1/8000s
- HSS Mode - Down to 1/32 Power
- Short Flash Duration (Freeze Mode) - 1/2200s - l/19000s
- Wireless Range - 980ft/300m plus with ORLIT TR-611C / TR-612N as Transmitter
- 5 Groups - A/ B / C / D / E / F
- Color coded light indicates Group Link
- 16 Channels
- Power adjusts from full power to 1/256 in 1 and 1/10 stop increments with 8 stop range
- EV TTL Override Adjustment from -3.0 to +3.0EV
- 20W LED Modeling Light (100W Tungsten Equivalent, 3200K) with 3 modeling lamp intensity settings
- Recycle audio signals

- Continuous Capture for syncing camera rapid fire drive modes in HSS
- Worldwide AC voltage
- Auto Thermostatically Controlled Fan Cooled with Overheat Protection
- Can also be triggered optically, or with a standard 3.5mm sync cord
- Auto Thermostatically Controlled Fan Cooled with Overheat Protection
- Tilt head with integrated umbrella mount
- Vents and automatic fans for cooler, quieter running lights
- Many accessories and light modifiers available for the Bowens Mount
- Rear 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
- Recycle Audio Prompt
- Mini USB Port for Firmware Upgrades
- 2 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 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.

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.
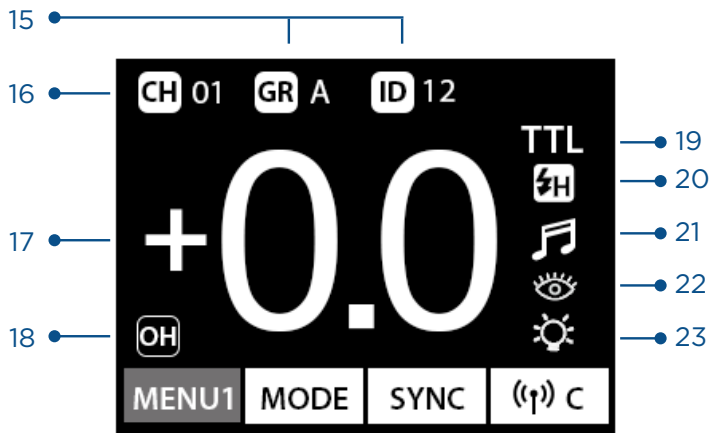
Orlit Rovelight RT600AC/800AC Product Key

1. Handle
2. GR color coded indicator light
3. Light head locker
4. Glass protector
5. Umbrella socket
6. Light stand locker
7. Flash tube
8. LED modeling lamp

9. Menu button
10. Test button
11. Power outlet
12. Function button
13. Modeling lamp switch
14. Power output knob / OK

Orlit Rovelight RT600AC/800AC Screen Key

15. GR --- A / B / C / D / E / F
16. CH --- 00~15 / ID --- 00-99
17. Power output --- TTL: 33.0 / M: 1.0-9.0 / HSS: 4.0-9.0
18. OH: Overheat Protection
19. M / TTL
20. Normal / HSS / Freeze
21. BEEP
22. CELL
23. Modeling lamp

Orlit Rovelight RT600/800AC MENU KEY

MENU1	**MODE**	**SYNC**	**((ᵼ)) C**

MODE – Switch between M &TTL

SYNC – Switch between flash modes

NOR	Normal flash
⚡H	High Speed Sync, shutter speed up to 1/8000s (Canon/Nikon camera)
FRE	Max 1/19000s, Sync with shutter speed. (No FREEZE feature in TTL mode)
((ᵼ))	
((ᵼ)) C	Canon RT TTL with Orlit 600RTC / TR-611C / TR-Q6C / Canon 600EX-RT
((ᵼ)) N	Nikon iTTL with Orlit TR-612N
((ᵼ)) A6	TR-A6/TRS-V remote control
((ᵼ)) TRS	TRS remote control

MENU2	**CH**	**GR**	

CH – Channel selection from 00 to 15
GR – Group selection from A / B / C / D / E / F

   *Please note that Group selection is not available with TR-A6, TRS-V or TRS remote control

MENU3	♫	👁	☀

♫ – **Beep remind:** Turn on/Turn off

👁 – **CELL:** Turn on/Turn off

☀ – **Modeling lamp:** Proportion   ☀ - PRO/Independent   ☀ – 1.0~9.0

Orlit Rovelight RT600AC/800AC Flash Modes

The RT600/800AC can operate in two modes to satisfy photographers' different demands and preferences.

Power ON/OFF

Switch ON: Long press on POWER button [11].
The LCD Orlit screen lights up and enters the operation interface.

Switch OFF: Long press POWER button [11].
The LCD screen turns off.

TTL Mode

1. Press the Function button [9] and switch to **MENU1.** You can scroll through the 3 Menu screens with each press. While in Menu1, press the Function button [12] to select wireless channel for Canon ((ᵖ)) **C** or Nikon ((ᵖ)) **N**

2. Continuing in Menu1, Press the Function button [12] and select TTL mode.

3. Press Function button [12] to choose between **Sync** modes:
   Normal mode NOR or high-speed sync (HSS) mode ⚡H.

4. Press Function button [9] and switch to **MENU2** to set up Channel **CH** and Groups **GR**.

   The Group and Channel values must match those of the remote transmitter. Carefully note the settings on the TR-611C/612N, 600RT, or Canon 600EX-RT before setting.

   The dedicated camera TTL symbol will light green when properly synched.

5. Press Function button [9] and switch to **MENU3**.

6. Press Function button [12] to switch the audio recycle tone on or off.

7. Short press Modeling Lamp button [15] to switch on or off modeling lamp.

8. Press Function button [12] to choose modeling lamp mode between proportion mode ☼: PRO and independent mode ☼: 1.0~9.0

9. TTL EV can be modified on a 6 stop range, -3.0EV~+3.0EV.

The values can be set in 1/10 stop increments: turn the Power output knob [14] directly to change the power in 1/10 stop, or for 1 stop increments: press the Power output knob [14] and the display value becomes green, representing full stops, and turn the knob to change the power.

M Mode

1. Press the Function button [9] and switch to MENU1. While in Menu1, press the Function button [12] to select wireless channel for Canon ((ᵖ)) **C** or Nikon w ((ᵖ)) **N**.

2. Press the Function button [12] and switch to M mode.

3. Press Function button [12] to choose between Sync modes: Normal mode NOR , high-speed sync (HSS) mode ⚡H , or freeze mode FRE .

4. Press Function button [9] and switch to MENU2 to set up Channel CH and Groups GR.

   The Group and Channel values must match those of the remote transmitter. Carefully note the settings on the TR-611C/612N, 600RT, or Canon 600EX-RT before setting.

   The dedicated camera symbol will light green when properly synched.

5. Press Function button [9] and switch to MENU3.

6. Press Function button [12] to switch the audio recycle tone on or off.

7. Short press Modeling Lamp button [15] to switch on or off modeling lamp.

8. Press Function button [12] to choose modeling lamp mode between proportion mode ☼ PRO and independent mode ☼ 1.0~9.0

9. Power output adjustment can be modified on a 9 stop range, from 1.0 ~ 9.0.

The values can be set in 1/10 stop increments: turn the Power output knob [14] directly to change the power in 1/10 stop, or for 1 stop increments: press the Power output knob [14] and the display value becomes green, representing full stops, and turn the knob to change the power.
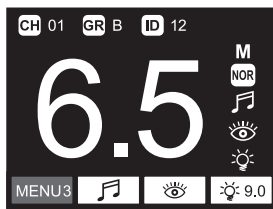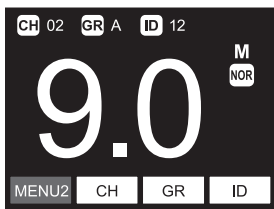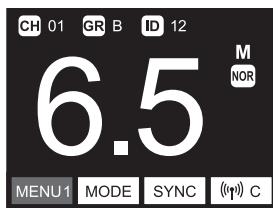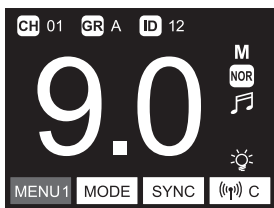
Special Orlit Rovelight RT600AC/800AC Features

1. Freeze mode

Freeze mode can arrest action and movement from 1/800s to 1/19000s, far more quickly than traditional flash duration. Choose the option in MENU1 with the corresponding Function button [12] to scroll through the choices for FREEZE FRE short flash duration. Freeze mode can be used only in M mode, maximum 1/19000s. Sync with shutter speed via PC Cord. (No FREEZE feature in TTL mode).

2. Wireless remote control

When ((ꞁ)) C or ((ꞁ)) N is selected in wireless remote control on screen, the RT600/800 is set to be triggered or controlled ONLY by a compatible ORLIT TTL trigger or the Canon 600EX-RT.

When ((ꞁ)) A6 is selected in wireless remote control on screen, RT600/800AC is set to be triggered or controlled by a TR-A6 or TRS-V offered by Flashpoint. In this mode, GR does not appear on the RT600/800. Set TRS-V in the same channel on RT600/800.

When ((ꞁ)) TRS is selected in wireless remote control on screen, RT600/800AC is set to be triggered or controlled by TRS offered by Flashpoint. In this mode, GR does not appear on RT600/800. Set TRS in the same channel on RT600/800.

3. Overheat protection

When the system overheats, the RT600/800 will automatically switch on the overheat protection mode. The screen displays OH, which means the built-in high temperature protection is activated. In the event of total overheating, the system will stop working to prevent internal damage. When the temperature returns to an acceptable level, RT600/800 will start to work normally again.

4. Continuous Capture (Camera Setting)

When a camera is set to shoot in one of the continuous drive modes, the RT600/800 can only stay in sync while in Manual mode with the HSS sync selected, and the power output range of is only able to be manually set from 1.0 to 3.0. Moreover, the RT600/800 does not display any indication of the camera's continuous drive mode on the LCD screen.

Installation of the Glass Protector

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

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

3. Push the other side of the glass protector.

Firmware Upgrades

The ORLIT Rovelight RT600AC/800AC supports firmware upgrades through the USB port. Update information will be released on the ORLIT official website. www.adorama.com/g/orlit

Maintenance

Avoid sudden impacts. The product should be kept dust free.

It is normal for 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.

Specification

Guide # @ 100ISO	RT600AC: 262GN(ft)/80GN(m) 600ws RT800AC: 295GN(ft)/90GN(m) 800ws
Max Power	600ws/800ws
Power Variables	M: 1.0-9.0 HSS: 4.0-9.0 TTL: 33.0EV
Power Increments	0.1 stop / 1 stop
Recycle Time	RT 600 0.8s at Full Power RT 800 1.0s at Full Power
Flash Modes	Manual / RT TTL
Sync Modes	Normal / HSS / Freeze
Flash Duration (t.05)	NOR: 1/2200s-1/8000s FREEZE: 1/2200s-1/19,000s
Color Temp	NOR: 5500˚K +/-150˚K FREEZE: 5500˚K +/-800˚K
Modeling Lamp	20W LED Proportion/Independent mode
Wireless Reciever	Built-in Canon RT 2.4GHz / RF
Channel/Group	CH: 1-15 / GR A/B/C/D/E/F
Infra-Red Sensor	Built-in ETTL/iTTL infra-red sensor
Sync Socket	3.5mm
Sync Voltage	DC6.5V
Thermal Protection Method	Auto shutoff temperature sensor circuit
USB Firmware Update Support	Yes
Weight	RT600AC 6.41b/2.9Kg RT800AC 6.83lb/3.1kg
Dimensions	14.4 x 5.35 x 7.9 in / 365 x 136 x 200mm
Operating Room Temp.	32F -104˚F / 0˚C - 40˚C
Power	AC 90-205v 50/60Hz 10A fuse

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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ORLFRL600RTB
ORLFRL800RTB

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