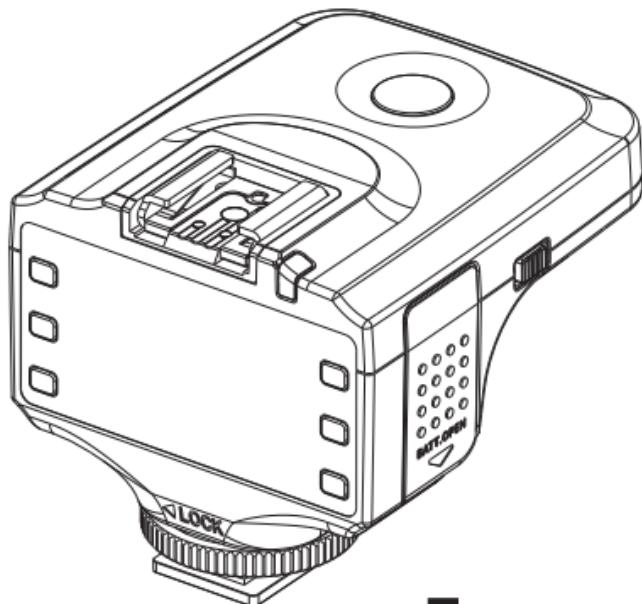


*oloong*

WIRELESS  
FLASH TRIGGER

**800-RT**

For Canon



**Transceiver**

INSTRUCTION MANUAL

# Contents

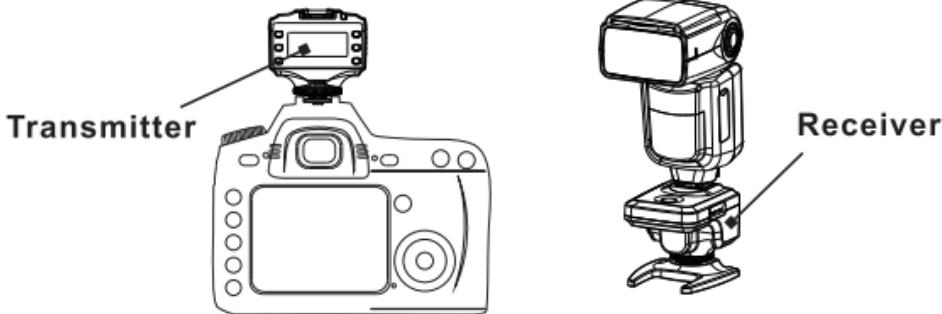
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# Warning

1. Never attempt to disassemble or repair unit by yourself , as this could result in you receiving an electric shock and could also cause the unit to malfunction ; such malfunction could lead to personal injury.
2. If corrosive liquids seep from the batteries and get in your eyes, immediately wash your eyes with running water and consult with a doctor. Your eyes could be seriously damaged if they are not treated quickly.
3. The unit should never be submerged in liquid or exposed to rain, saltwater or moisture unless it is properly protected from the liquids and moisture.
4. If you detect heat , smoke or notice a burning smell , immediately stop operation and remove the batteries to prevent the unit from catching on fire or melting.
5. Do not mix battery types , brands or old and new batteries , as the batteries could leak corrosive liquids , explode or catch on fire.
6. Please use standard size (AA) or other common rechargeable batteries  
Do not use these batteries with their terminals reversed.
7. Remove any batteries from the unit before storing the unit for a long time to prevent the unit from catching on fire or leaking corrosive liquids.

**This product is a wireless transceiver , to conveniently , in this manual,It is called transmitter (master unit) when being installed on the hot shoe of camera, while it is called receiver (slave unit) when a flash is installed or connected.**



## Foreword

Thank you for purchasing the **OLOONG** product.

The 800-RT Trigger(Transceiver) achieves a high sync shooting with Canon cameras and flashes, and its various flash mode functions, including Gr,E-TTL II, M,Multi, the maximum shutter sync speed up to 1/8000S. It has grouping function , it can control up to five groups. You can directly control the flash mode ,output power, focal length for each group. The remote control distance can reach to 100m, supporting 15 wireless channels and 1 auto channel . And equipped with the AF-assist beam emitter. Support USB firmware upgrade.

### **Compatible camera list:**

Canon 400D Series/500D Series/600D Series/700D Series/60D/70D/7D/1D Series/5D Series

It has the following characteristics:

- Dot matrix LCD display screen
- Support wireless shutter release function
- Can be individually set flash focus
- Can be individually set group A/B/C/D/E flash exposure compensation or flash output within Gr mode
- Can be individually set group A/B/C flash output within Manual mode
- Can be individually set exposure compensation and ratio within TTL mode
- Can be individually set flash output, frequency and flash number within Multi mode
- Support the basic flash trigger (max sync speed is 1/250S) of standard hot shoe (non nikon camera)
- Equipped with the AF focus assist light (can be disabled)

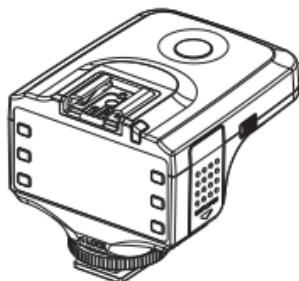
- Shutter Sync: first curtain sync, FP high-speed sync, the highest sync speed is 1/8000s
- Support exposure compensation, flash value lock function
- Support 15 wireless channels, 1 auto channel
- The flash sync signal can be input through the PC port
- Support power display
- Support for custom menus
- The firmware can be upgraded through the USB interface
- Setting saved automatically

● **Read this instruction manual while also referring to the instruction manuals of your camera and Speedlight.**

### **Include items:**

800-RT comes with the following accessories. Check that all items are included before use.

■ Transceiver



800-RT

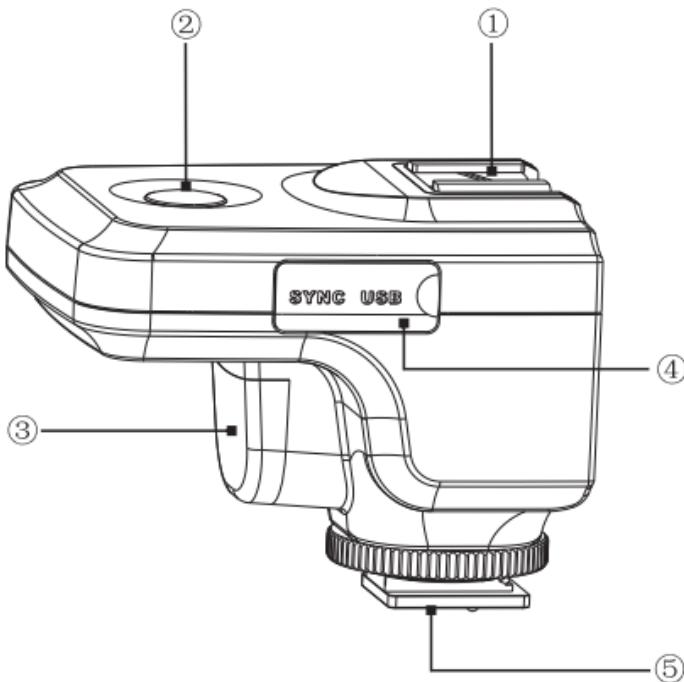
■ Mini Stand

■ Manual



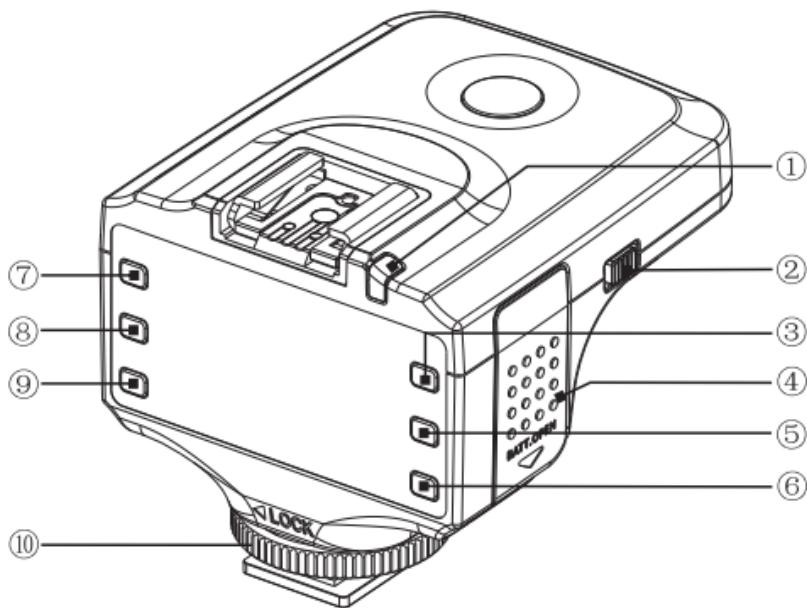
Mini Stand

## Nomenclature



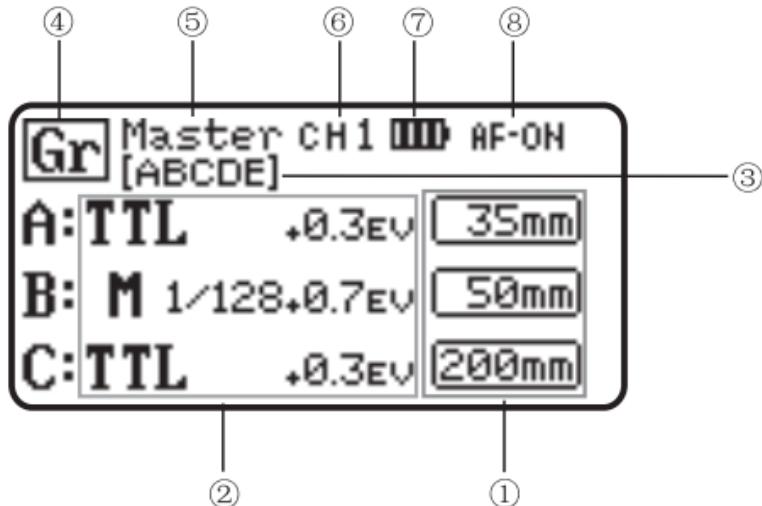
- ①Hot Shoe      ②Test Flash/Shutter Button
- ③AF Assist Beam Emitter      ④PC/USB Interface
- ⑤Mounting Bracket

## Nomenclature



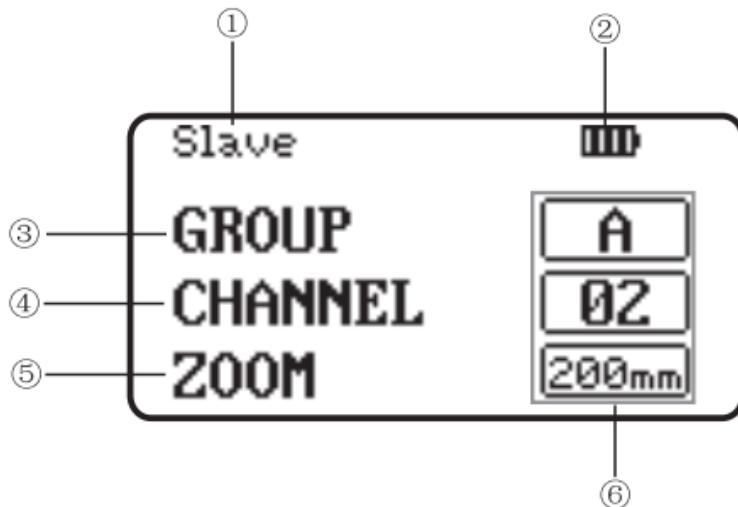
- ① Status Indicator
- ② Power Switch
- ③ Increase Key
- ④ Battery Cover
- ⑤ Decrease Key
- ⑥ Confirm Key
- ⑦ Zoom/Function Key
- ⑧ Select/Sync key
- ⑨ Mode Button / Master or slave Switch
- ⑩ Lock Rings

## Transmitter Display



- ①Focal Length Area
- ②Group Function Mode、Exposure Compensation Display Area
- ③A number of groups Display Area
- ④Flash mode ⑤Transmitter Mode
- ⑥Channel Icon
- ⑦Power Icon
- ⑧AF Assist Beam Emitter State

## Receiver Display



- ① Receiver Mode
- ② Power Icon
- ③ Group Icon

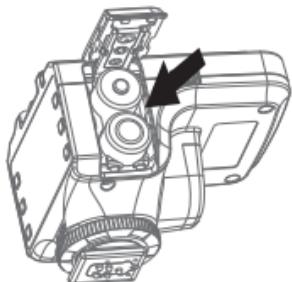
- ④ Channel Icon
- ⑤ Zoom Icon
- ⑥ Focal Length Value

# Basic Operation

## ■ Inserting the batteries

### ① Open the cover.

Slide it as shown by the arrow to open the cover.

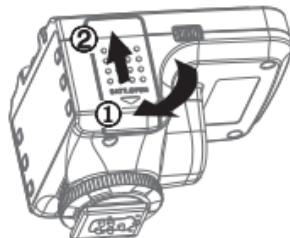


### ② Install the batteries.

Make sure the + and - battery contacts are properly oriented as shown in the battery compartment.

### ③ Close the cover.

Close the battery compartment cover and slide it as shown by the arrow.



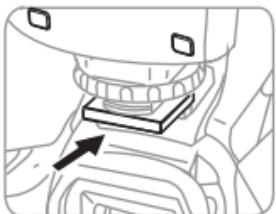
# Basic Operation

## ■ Attaching to the camera



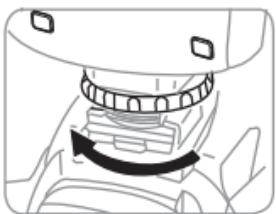
### ① Ready to attach the transceiver.

Loosen the locking ring by turning it in the direction of the arrow.



### ② Attach the transceiver.

Mount the transceiver into the camera's hot shoe all the way.



### ③ Secure the transceiver.

Turn the locking ring in the direction of the arrow tighten.



### ④ Detach the transceiver.

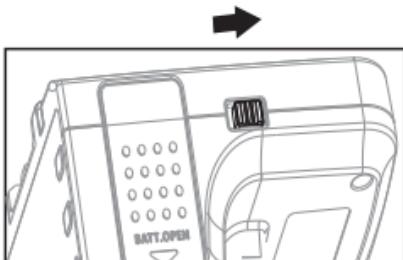
Loosen the locking ring to the top, then remove the transceiver from the camera's hot shoe.

# Basic Operation

## Turn on the power

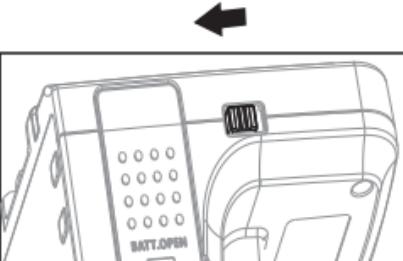
### ① Turn on the power.

Turn the power switch to <ON>.



### ② Turn off the power.

Turn the power switch to <OFF>.



- In order to save power, the **Transmitter** will enter sleep state after a specified time (this time can be adjusted by custom setting), the LCD is not displayed. You can press the shutter button halfway or test button to wake it up.
- The **Receiver** will not enter sleep state.

# Custom Setting

You can customize the transmitter features to suit your shooting preferences with custom setting. In the menu, the flash is disabled.



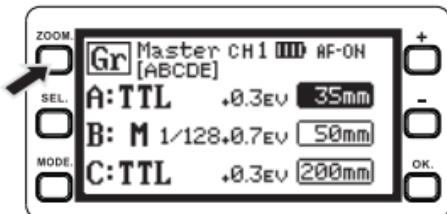
RESET	Reset custom setting
RS	RS: Reset
FP	FP
OFF ON	OFF: Turn off ON: Turn on
BKLITE	Backlit
OFF ON	OFF: Turn off ON: Turn on
KEYBKLITE	KeyBacklit
OFF ON	OFF: Turn off ON: Turn on
AF	AF-assist illuminator
OFF ON	OFF: Turn off ON: Turn on
STBY	Standby function
15MIN 30MIN 45MIN OFF	15MIN: 15minutes 30MIN: 30minutes 45MIN: 45minutes OFF: Function canceled

LCDLITE	LCD contrast
5 4 3 2 1 0	5 represents the maximum contrast; 0 represents the minimum contrast
VER	Version of firmware
	Version

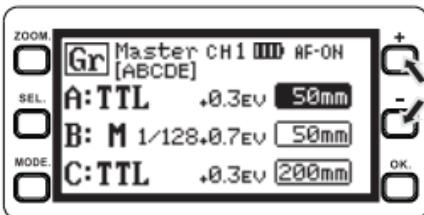
- ① Press the button for approx. 2 seconds to display the custom setting.
- ② Press the button to highlight the chosen setting.
  - Press the button to enter in the secondary menu.
  - If you want to return to previous menu. Press the button.
- ③ Then press the button for approx. 2 seconds return to the normal display.

# Transmitter operation

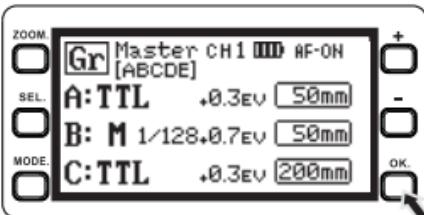
## Focal length setting



Press button to highlight zoom A. Repeatedly pressing that button B/C group will turn into the highlight state.



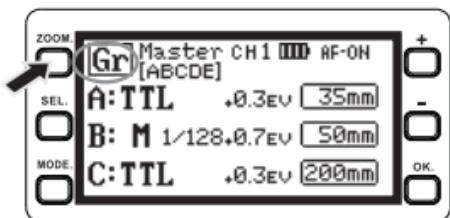
Press button for increasing ; Press button for decreasing ; "AU" value, said into the automatic zooming state.



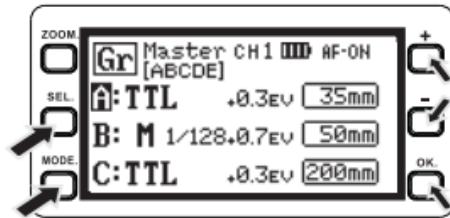
Press button to confirm.

# Transmitter operation

## Gr Mode Setting



Long press the button to choose Gr mode.



Press the button to select group which needs to adjust.

Press the button to set group mode.

Press the or button to choose compensation value.

Press button to confirm.

# Transmitter operation

## Manual Mode Setting



Long press the button to choose Manual mode.



Press the button to select group number.

Press the or button to choose value.

Press button to confirm.

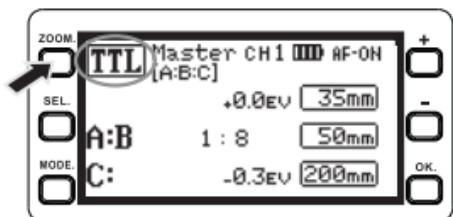


Press the or button to choose flash output level.

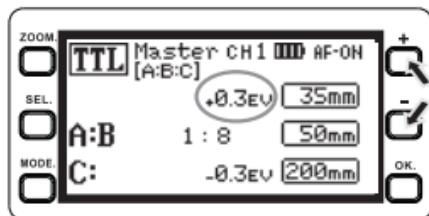
- ① The following three firing group modes are available:  
<ALL>, <A:B>, <A:B:C>

# Transmitter operation

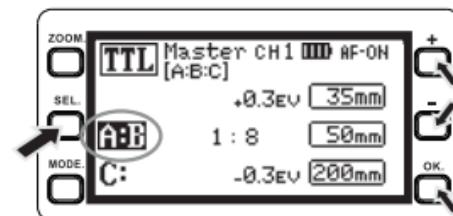
## TTL Mode Setting



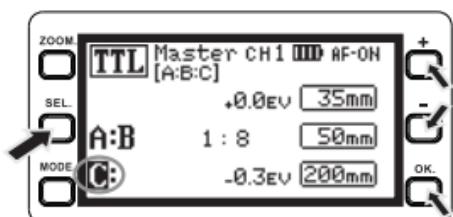
Long press the button to choose TTL mode.



Press the or button to choose exposure compensation value.



Press the button to select ratio.



Press the or button to choose value.

Press button to confirm.

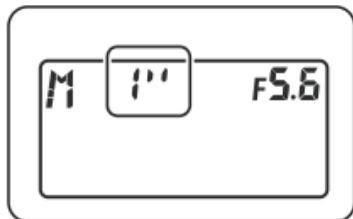
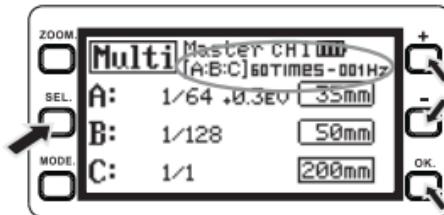
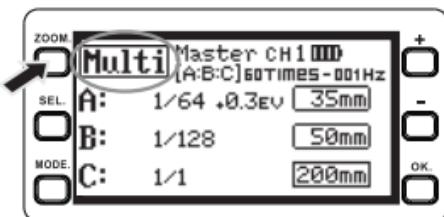
Press the button to select exposure compensation of group C.

Press the or button to choose value.

Press button to confirm.

# Transmitter operation

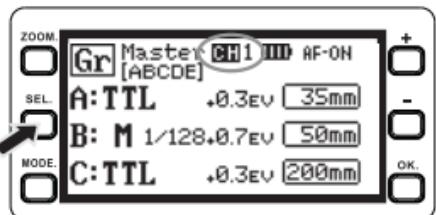
## Multi Mode Setting



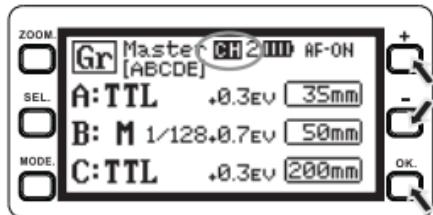
- Use the following equation to determine the shutter speed and use a shutter speed one or more steps slower than the calculated shutter speed.  
Shutter speed=Number of flasher per frame  $\div$  Frequency of flash(Hz).
- B(bulb) can be used for the shutter speed.

# Transmitter operation

## Transmitter channel setting



Long press button to highlight channel.

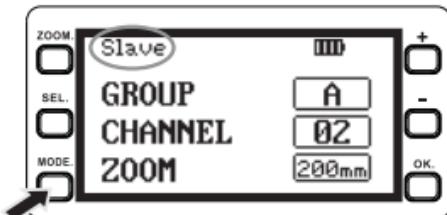


Press or button to choose channel value.  
Press button to confirm.

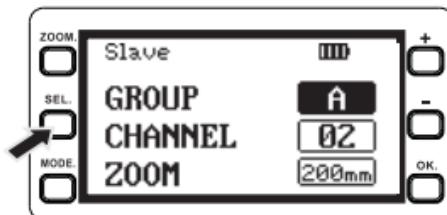
- ① If another photographer uses the same type of wireless flash trigger setup close by, your receivers may accidentally fire in sync with that photographer's transmitter. To avoid this, use a different channel number.
- ② Set transmitter and receiver to the same channel.

# Receiver operation

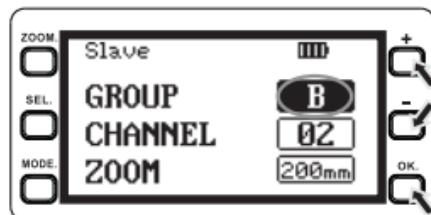
## Receiver group setting



Press button for 2 sec. to choose receiver mode.



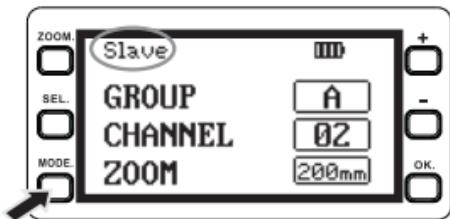
Press button for 2 sec. to highlight group.



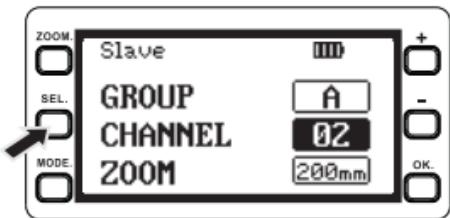
Press or button to choose group value.  
Press button to confirm.

# Receiver operation

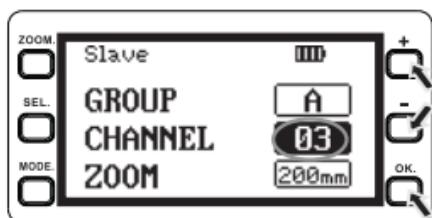
## Receiver channel setting



MODE.  
Press button for 2 sec. to choose receiver mode.



SEL.  
Press button for 2 sec. to highlight channel.



Press or button to choose channel value.  
Press button to confirm.

# Flash triggering

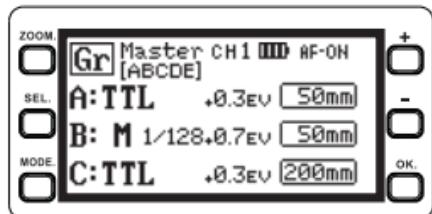
Before the flash triggering, make sure the transmitter and receiver on the same channel, and flashlight placed on the receiver hotshoe.

## Testing flash

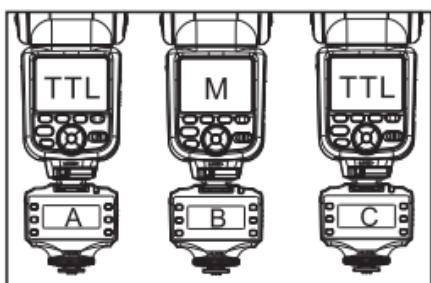
Turn on transmitter, receivers and flashlight power . When press the test button, the groups have been selected of flash will be tested flash strobes once.

## Flash triggering

The flash mode and output of the receiver by the transmitter to control.



Transmitter



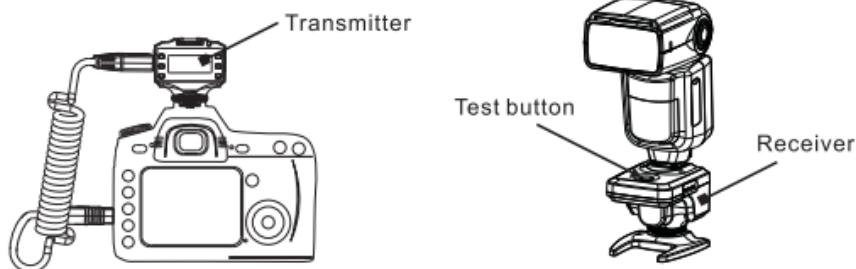
Receiver

# Advanced Application

## Shutter release function

Use receiver for wireless transmitting , the transmitter as the shutter signal output.

- ①. Install the transmitter on the camera's hot shoe, and use WL series shutter connecting cable to connect the transmitter and camer.



- ②. Long press the test button of 800-RT receiver to focus, loosen the test button to shot. If the flashlight installed on the receiver , the flashlight will fire synchronously.

### **The compatible shutter release cable list:**

WL-3: 1D Series/5D Series /7D/40D/50D

WL-4: 400D Series/500D Series/600D Series/60D/700D

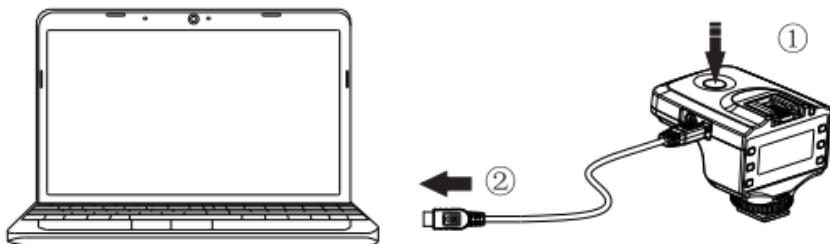
- The WL series shutter release cable need to purchase.

# Advanced Application

## Firmware Upgrade

For firmware update service, 800-RT provides a USB service port.

800-RT is developed to work with the cameras presently available in the market and it may need to install updated firmware to work with the new cameras in the coming future, or the cameras with updated firmware. In this case, a software to work with such new version will be available at Oloong's homepage to download.



Visit Oloong website: [www.oloong.com.cn](http://www.oloong.com.cn) to download the firmware upgrade software and the least firmware.

- ① **Turn off the power !** Hold down the test button.
- ② Connect the transmitter to PC Via USB-MINI cable.
- ③ Use the PC terminal software to update the firmware.

- Before updating the firmware, remember to turn off the power.
- USB-MINI cable need to purchase.

# Troubleshooting Guide

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If a problem occurs with the transmitter , first refer to this troubleshooting guide. If this troubleshooting guide does not resolve the problem , contact your dealer or nearest Oloong service center.

## **Power does not turn on.**

---

- Replace the batteries.
- Install the batteries in the correct orientation.

## **The slave unit does not fire.**

---

- Make sure the power of all equipments are full , the flashlight is in ready state.
- Whether the transmitter and receiver are set in the same channels and controllable groups.
- Clean the electrical contacts of the transmitter and camera.The connection among the transmitter, camera , receiver and the flashlight is reliable.

# Troubleshooting Guide

---

## **The picture is underexposed or overexposed.**

- If there was a highly reflective object (glass window, etc.) in the picture, use FV lock.
- If the subject looks very dark or very bright, set flash exposure compensation.
- When high-speed sync is set, the effective flash range is shorter. Position the slave unit closer to the subject.
- When using autoflash shooting with three firing groups A, B and C, do not fire with firing group C pointed toward the main subject.
- It may overexposure when TTL and manual flash are used at the same time, now the manual flash suits to be used as a backlight.

## **The picture is very blurred.**

---

- When the shooting mode is set to <AV> and the scene is dark, slow sync is enabled automatically (the shutter speed becomes slower). Use a tripod, or set the shooting mode to <P> or fully automatic mode.

# Specifications

System type: Digital FSK 2.4GHz wireless controller  
Distance: 100M  
Channel: 15 channel and 1 auto channel  
Flash mode: Gr、TTL、Manual、Multi、DT  
Sync mode: front-curtain sync,FP sync  
Groups: 5Groups(A/B/C/D/E) within Gr mode  
          3Groups(A/B/C) within other modes  
Shutter: Support camera control camera single shooting  
Max sync speed: 1/8000S  
AF assist beam emitter: support  
flashlight auto zoom: support  
USB firmware upgrade: support  
Battery: AA×2  
Stand-by time: 120h  
Dimensions: 77.2mm(L)×65mm(W)×63.2mm(H)  
Weight: 92g

- This manual content is followed the test from **OLOONG** company.
- Design an specification subject to change without notice.

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**SHENZHEN TRONGASONIC ELECTRONICS CO.,LTD.**

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Longgang, ShenZhen, china

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may be made without written authorization from  
OLOONG.

If you have any printing errors or omissions ,or errors in translation,hope the majority  
of users understand.  
Specifications and design are subject to change without notice.

## **Warning Statement**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.