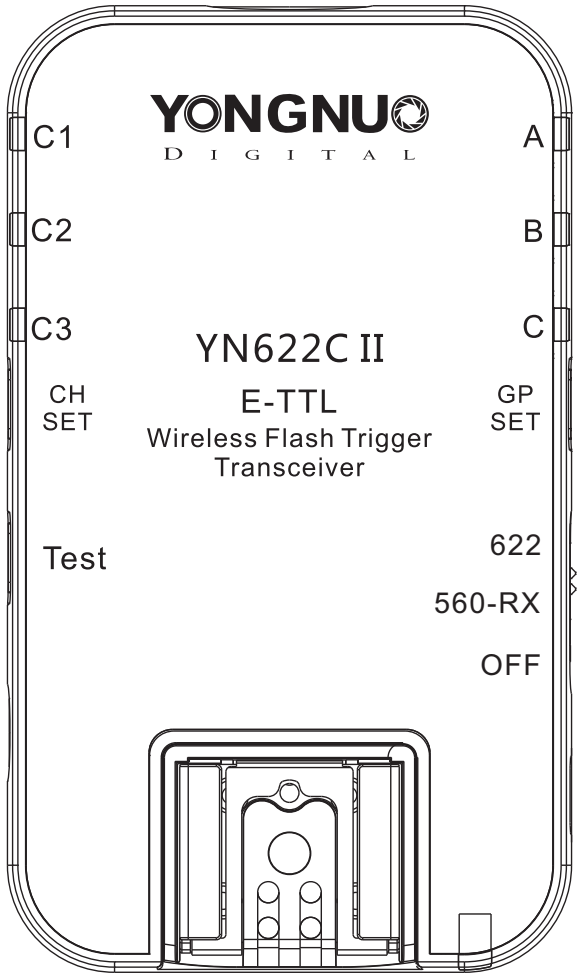
YONGNUO
DIGITAL

# YN622C II

## E-TTL

## Wireless Flash Trigger Transceiver




User Manual
用户手册

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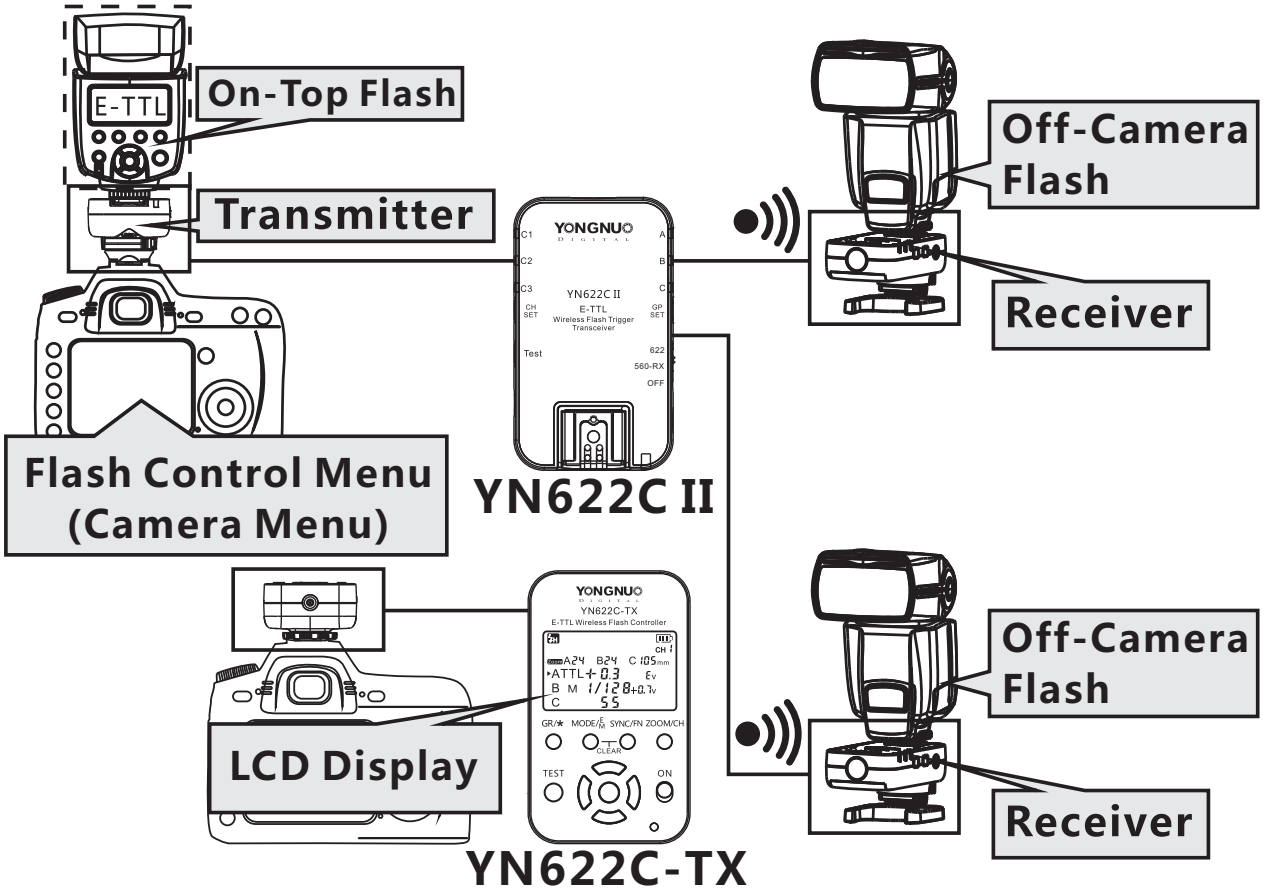
# Cautions

- Please turn off power supplies of all equipment when connecting or installing the product.
- Please keep it dry. Be sure not to use wet hand to touch the product. It is also not allowed to immerse the product into waster or make it be exposed in the rain; otherwise it may not work normally or even be damaged.
- Do not use it in explosive situations; violation of this warning may cause an explosion or fire.
- This product involves battery, please be in strict accordance with the relevant provisions on the use of the battery, otherwise it would cause property damage or personal injury.

❖ **Read this user manual while also referring to your camera's & flash's user manual before using in order to correct use this product.**

# General Description

**This product is a wireless transceiver, transmitting & receiving mode will automatically switched. to express conveniently, in this user manual, it is called transmitter (master control unit) when being installed on the hot shoe of the camera, while it is called receiver (slave unit) when a flash is installed or connected.**




**Recommended optional YN622C-TX E-TTL wireless flash controller as a transmitter, about the introduction of this product, please visit the following website :**

**http://www.hkyongnuo.com/e-detaily.php?ID=348**

# Function Introduction

**Thank you for purchase the products of Yongnuo firstly.**

- The new upgrade version YN622C II can set to "622" or "560-RX" communication mode through the power switch, supports receiving the trigger signal of the YN560-TX/RF605(603 mode)/RF603(II) series products, with multi aspects improved, equipped with quick lock design and supports USB firmware upgrade.
- YN622C II E-TTL wireless flash trigger is a high performance master and slave equipment of multiple flashes photography, through digital FSK 2.4GHz radio wireless transmission, and different photographic effects can be realized through setting your flash at 360 degrees. It design of transceiver, the distance of remote control reaches 100M, supporting 7 wireless channels and A/B/C three groups.
- Remotely change the modes and parameters of the flash quickly when using the Canon EOS series DSLR cameras which supports external flash function , such as TTL ratio or manually set each group of flash output. Support high-speed sync, the max sync speed is 1/8000s*, Support E-TTL, Manual and Multi flash modes. Support E-TTL flash installing on the top of transmitter.

※ **Compatible cameras/flashes is needed when using TTL function**

※ **The highest sync speed of some camera types is 1/4000s, some of flash or camera models may reach to 1/250s only or less if it doesn't support high sync speed.**

# Supported Functions List

- Quick lock design
- Supports USB firmware upgrade
- Supports "622" communication mode,"560-RX" communication mode
- Compatible flash mode: E-TTL (II)/ Manual/ Multi
- Compatible Shutter sync: 1st curtain, 2nd curtain, high speed sync (HSS/FP), Max 1/8000s sync speed
- Control remote flash using camera's flash control menu screen(Remote Control Mode)
- Support E-TTL / Manual/ Multi flash mode mix using(Mix Control Mode)
- Flash on hot-shoe of transmitter supports ETTL
- Support Flash Exposure Compensation (FEC)
- Support Flash Exposure Bracketing (FEB)
- Support Flash Exposure Lock (FEL)
- Support modeling Flash
- Support E-TTL group ratio (ALL/ A:B/ A:B C)
- Support Manual/Multi group (ALL/ A:B/ A:B:C)
- Support flash zooming (auto, manual)
- Support AF assist beam emitter(AF Lamp)
- Support PC port triggering strobe flashes and support 1st, 2nd curtain/HSS (Super Sync)
- Support LCD Live view triggering
- Support high-speed continuous shooting trigger
- Settings saved automatically
- Compatible with ALL YongNuo/ Canon EXII series flashes
- Support single-contact of camera & flash triggering (max sync speed is 1/250s)

# Compatibility List

Functions supported by the product depend on the camera and flash used. According to different types of cameras, in this user manual, **the EOS DSLR camera with external flash(speedlite) control menu is called type A camera; while EOS DSLR camera without external flash control menu is called type B camera; other camera brands with standard hot-shoe is called type C camera.**

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**List of Type A cameras: Canon** EOS 1DX/EOS 5D Mark II/ 5DMark III/1Ds Mark III/1D Mark IV/1D Mark III/ 6D/7D/7DII/60D/70D/50D/40D/450D/
500D Series/600D Series/700D Series/1000D Series
**List of Type B cameras: Canon** EOS 5D/10D/20D/30D/ 300D/350D/400D/1D/1D Mark II
**Compatible ETTL flash list: (support wireless remote control through camera menu)**
**Canon** 600EX(RT)/580EXII/430EXII/320EX/270EX(II)
**YongNuo** YN600EX-RT /YN568EX(II)/YN565(II)/ YN468(II)/YN467(II)/YN465

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430EX/550EX/580EX or other parts of the flash is not supported remote control via the camera menu, need to manually set the flash modes(parameters).

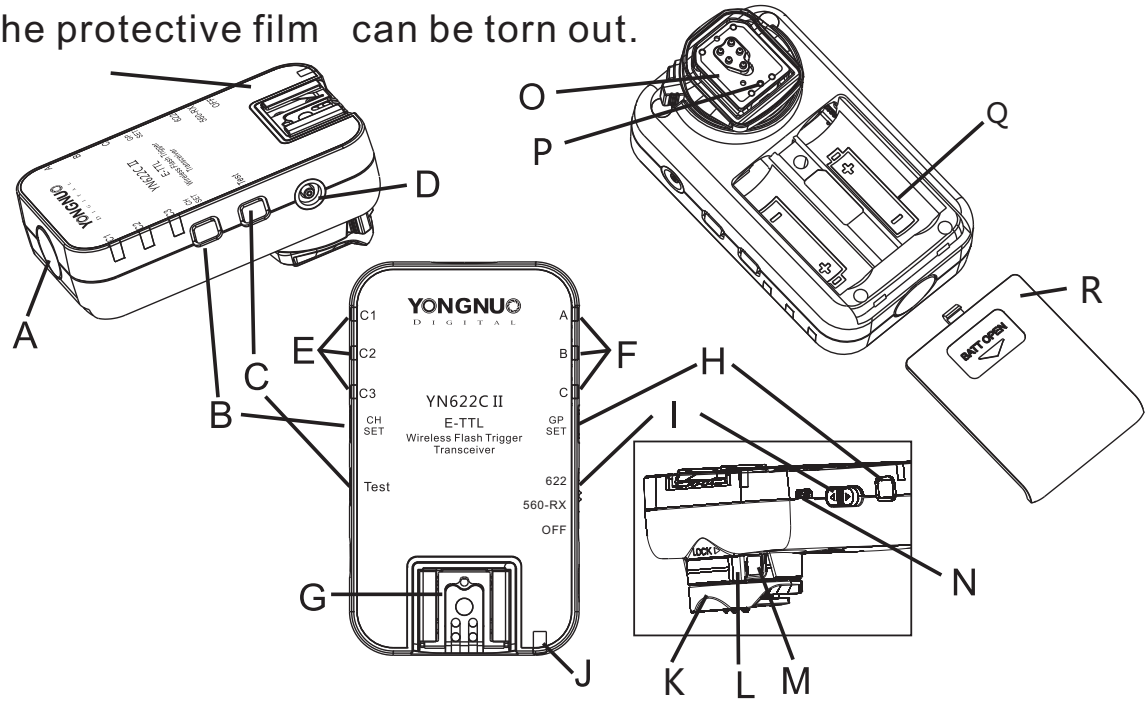
※ **When using general type manual flash or strobe flash connect to PC port, flash output needs to be set manually.**

※ **In this user manual, assumes that you are using the type A camera and compatible ETTL flash, as for type B/ C camera, please refer to page 22.**

# Name of Parts

| Indicator | Blinking | Keep Lighting |
|---|---|---|
| Channel Indicator | Communicating ( Remote control mode ) | Mix Control Mode |
| Group Indicator | Firing group or receiving group | Testing Communicating |
| State Indicator(green) | TX Communicating(622) | Testing Communicating |
| State Indicator(red) | RX Communicating(622) | Standby State |
| State Indicator(orange) | RX Communicating(560-RX) | Standby State |

※The protective film can be torn out.




| | | | |
|---|---|---|---|
| A | AF assist beam emitter(p.24) | J | State indicator(p.5) |
| B | Channel setting button (p.8/9) | K | Dust and water resistant adapter |
| C | Test button(p.9/10) | L | Mounting foot lock lever(p.6/7) |
| D | PC port(p.23) | M | Lock-release button |
| E | Channel indicator (p.8) | N | USB upgrade terminal(p.26) |
| F | Group indicator (p.8/9) | O | Mounting foot(p.6/7) |
| G | Hot shoe(p.6/7) | P | locking pin(p.6) |
| H | Group setting button(p.8/9) | Q | Battery compartment(p.6) |
| I | Power switch(p.8) | R | Battery compartment cover(p.6) |

# Preparation Before Use

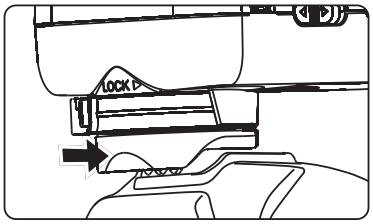
## 1. Installing the Batteries

Open the cover and install two AA batteries (excluded)according to the + and - marks , rechargeable batteries of 1.2V can be used. When in low battery, the status indicator light will blink(red) separately, at the moment need to replace battery.

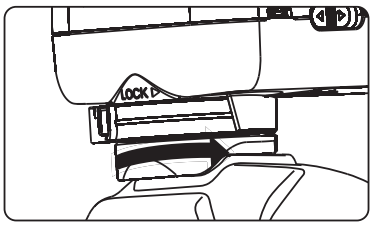
※ **Remove the batteries when the product is not used for long time.**

※ **Please replace the both two batteries at the same time.**

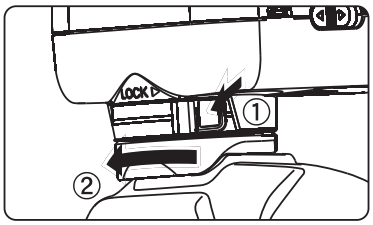
## 2.Attaching and Detaching the Transmitter




**1).Attach the transmitter.**
Slip the transmitter's mounting foot all the way into the camera's hot shoe.




**2). Secure the transmitter.**
On the mounting foot, slide the lock lever to the right. When the lock lever clicks in place, it will be locked.

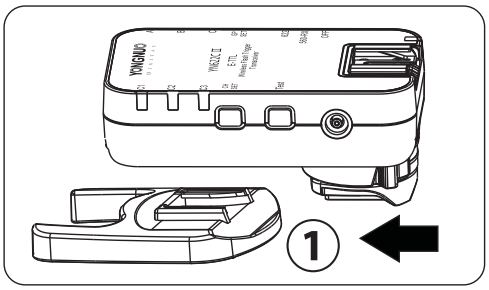


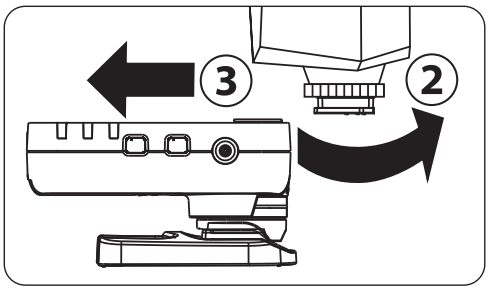

**3).Detach the transmitter.**
While pressing the lock-release button, slide the lock lever to the left and detach the transmitter.

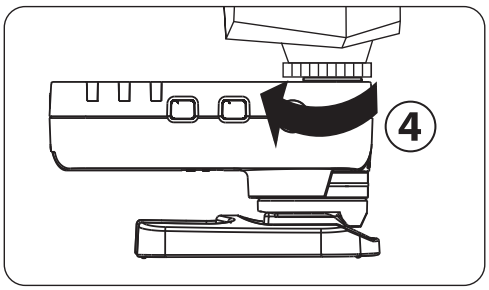
※ **It is supported that install a flash on the hot shoe of the transmitter(on-top flash).**

# Preparation Before Use

## 3.Install Flash on the Hot Shoe of the Transceiver (as Receiver)




1. Install the transceiver into the flash bracket or other fixing devices (Not included in the product box).
2. Make sure the mounting foot lock of the flash is released
3. Slide the flash' s mounting foot into the transceiver' s hot shoe fully.
4. Lock the flash in place.

**Caution! The hot shot of the transceivers can only install flash being applicable to DSLR cameras, can not install high-voltage flash, or the transceiver may be damaged.**

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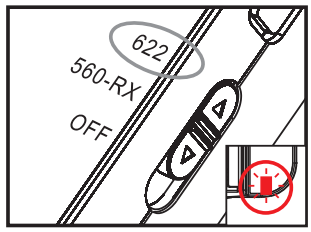
✎ **Check that all equipments are installed and connected reliably before use, turn all equipments on, setting the transceivers in the same channel, set the group of receivers , test button can be used to awaken and test whether the flash works before shooting(refer to Page 10), trigger the flash until flash recyling completely.**

# Setting

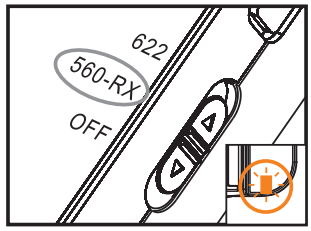
## 1.Power switch

• The YN622C II adopts 3 sections of power switch design. When it set in the "622" communication mode, the red indicator light will bright, when set in the "560-RX' communication mode, the orange indicator light will bright, "OFF" for power off.

• When it used with the YN622C series products, please set the power switch on "622" position,transmitting/receiving mode will automatically switched. For the relevant usage of 560-RX please refer to page 25.



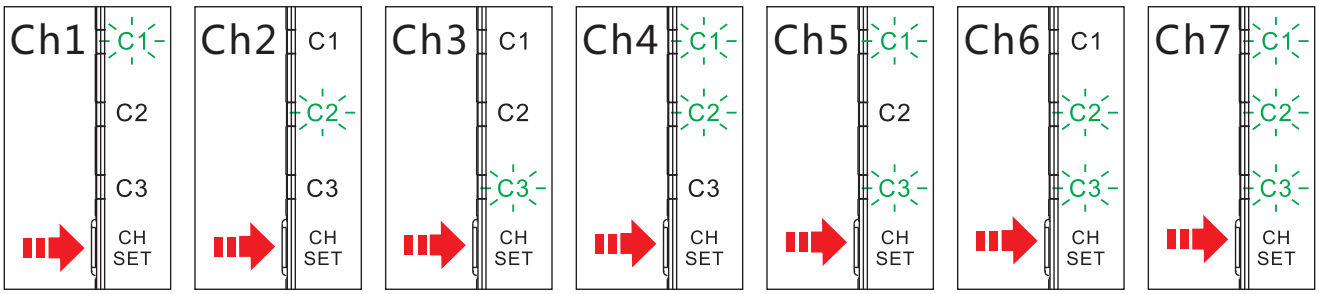

Red Indicator (622mode)




Orange Indicator (560-RX mode)

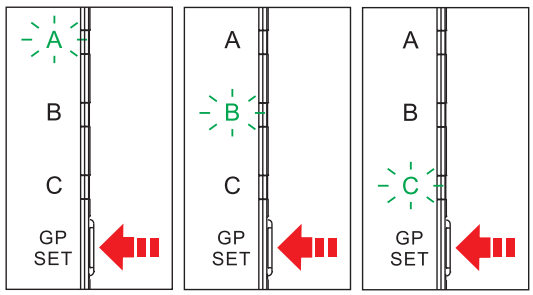
## 2. Channel Setting (Shortly Press [CH SET] Button)

Shortly press [CH SET] button and the channel indicator will keep lighting for several seconds to indicate the current channel, shortly press [CH SET] button again to change channel, and there are totally 7 channels. Set all the transceivers at same channel.




## 3. Receiving Group Setting (Press [GP SET] Button)

Short press [GP SET] button to check the current receiving group, then shortly press [GP SET] button again to change among A/B/C three groups.

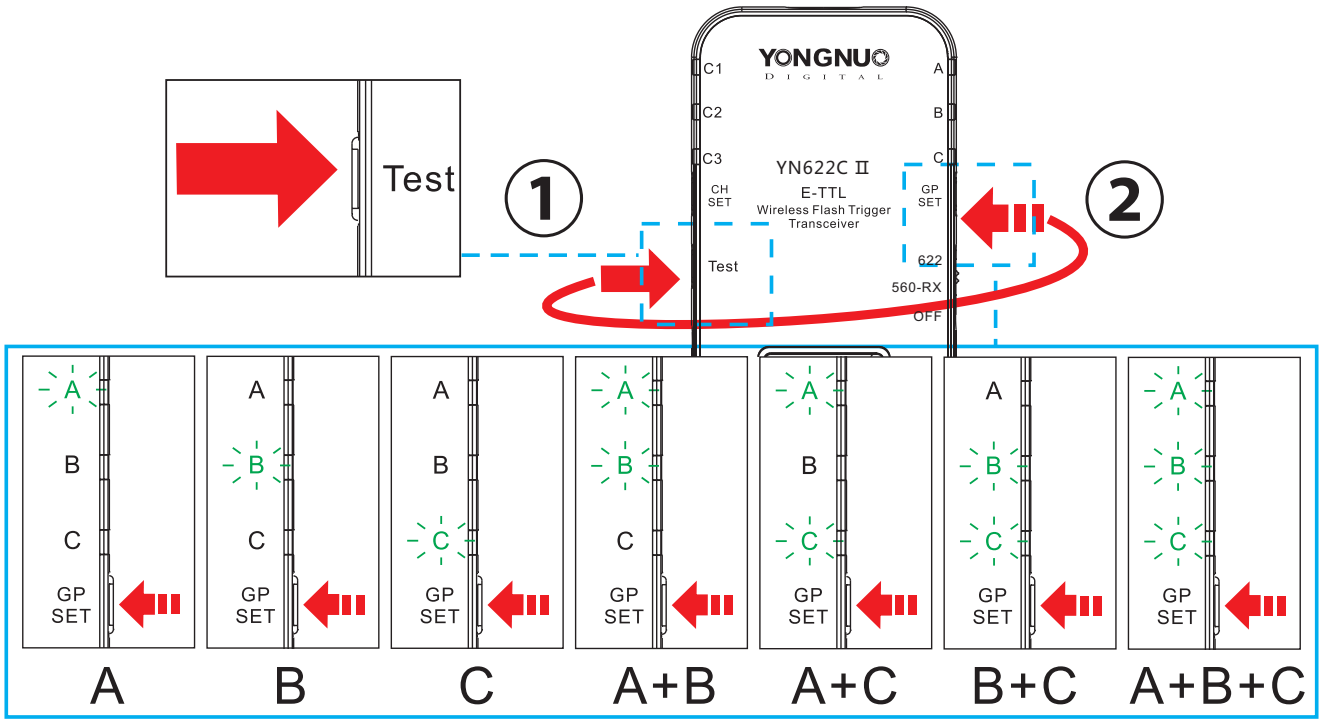



A B C

# Setting

## 4.Flash Test Group Setting (Test + GP SET Button)

- **Set flash testing group**
- **Type C camera uses the set firing group.**

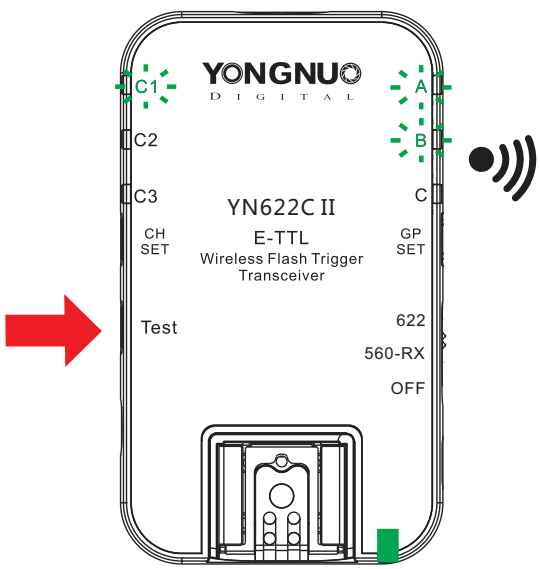


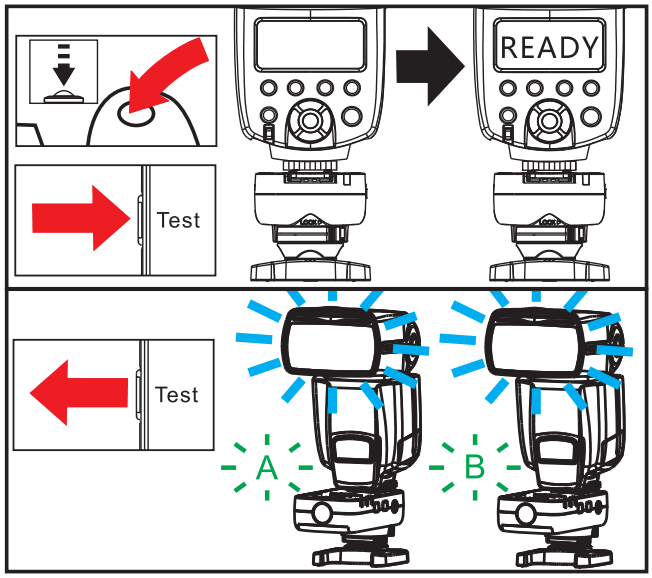

1. Hold down [Test] button then the group indicators will keep lighting, the flash on the receiver group having been selected will be woken up(p.10).
2. Hold down [Test] button and repeat to shortly press [GP SET] button, selected groups of receivers to testing flash, and there are totally 7 combinations.
3. When loosening [Test] button, the flash of the group having been selected will fire a test flash(p.10).

※ **Testing group is different from firing group, firing group setting of type A camera refer to page 18 while page 22 for type B.**

# Flash Awaking and Testing Flash

- When half-pressing the shutter button of the camera, the hot-shoe flash on the receiver will be awakened. (for A/B type camera only)
- Under any connection type, [Test] button can be pressed to awaken and test the flash on the transceiver and other transceivers at the same channel.
- Test flash with the mode set by the flash, and under the mode of E-TTL it may fire in a lower output.
- Refer to the following figure, the transmitter sets A +B two groups of flash test, hold down the[Test] button, the flash on A and B of the receiver will be awakened, and when loosening [Test] button will fire a test flash.




**※ If the flash can not be awakened, manually awaken the flash before shooting.**

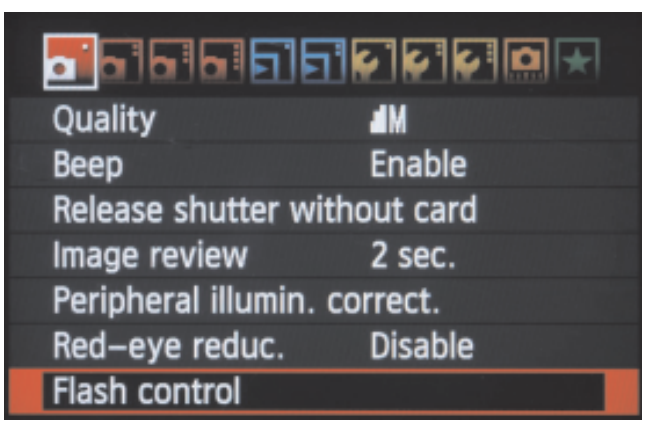
**※ Using PC port to connect with flash without the awakening function.**

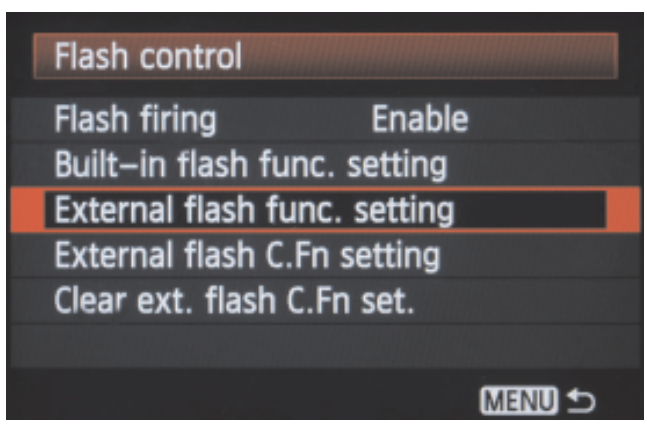
**※ All the indicators going out when flash fires.**

# Remote Control Mode

Remotely setting all the flashes through the external flash function setting (camera menu) of the camera, just likes the flash being directly installed on the camera. The settings of camera menu is prior, settings will upgraded to the receiver after pressing down camera confirmation button or half pressing shutter button without needing to operate the flash control panel, the flash' s screen will display the current setting. The setting varies depending on the cameras/flashes. This control mode is the default control mode, transmitter' s channel indicator will goes out in standby state, the camera needs to be set at P/AV/TV/M exposure mode, and it for type A cameras only.

1. Press down [MENU] button on the camera, select flash control-external flash function setting. When the off-camera setting which is consistent with the camera' s menu, the AF assist beam emitter of the receiver will blink twice to show that the change is successfully.(p. 24)
2. Enabled the wireless flash function via the camera' s menu to realize firing group control.(p.17)
3. Focus and shoot picture, the flash is fired according to the parameters set of all groups. Support the function of AF assist beam emitter of the transmitter. (p.24)

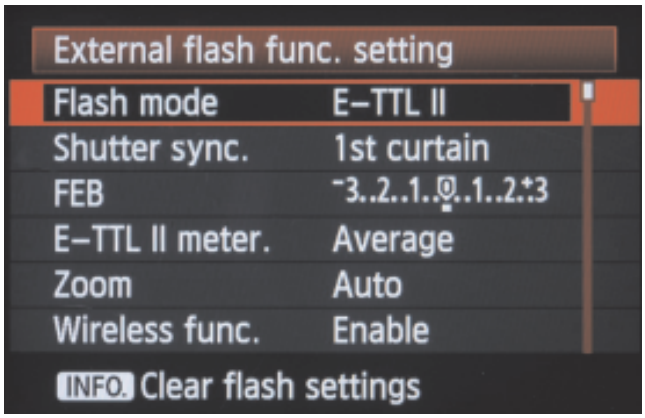


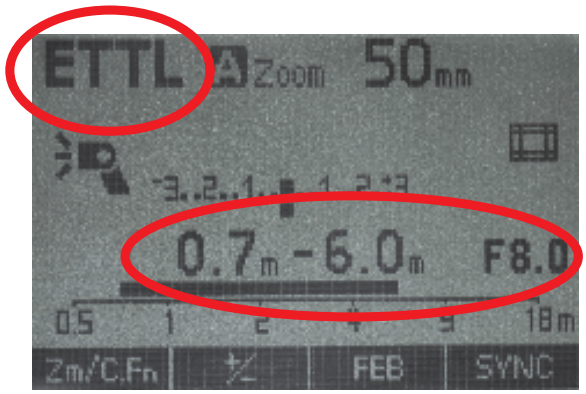




※ **Suggest disabled wireless flash function when using 2st curtain sync only.**

# Automatic Flash (E-TTL II)

- **Fully-automatic Flash Shooting**




1. Select flash mode as E-TTL II mode.
2. Half press camera's shutter button to focus, and on the flash screen the aperture and effective range etc. parameters will be displayed.
3. Ensure that the subject is in the effective flash range, full press camera' s shutter button to shoot, the flash will be fire according to the setting.

※ **Exposure lever increments may set to 1/3-stop via the camera.**

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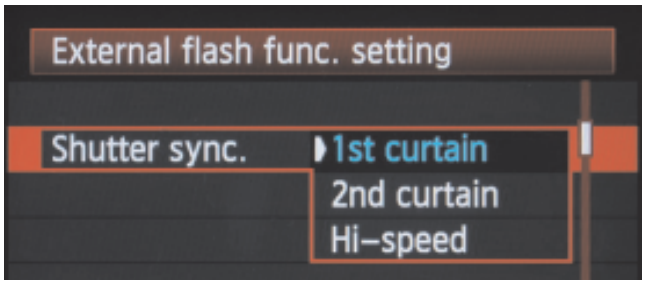
❖ **The following E-TTL functions are advanced application, please refer to the usermanual by the manufacturer of the camera and flash.**

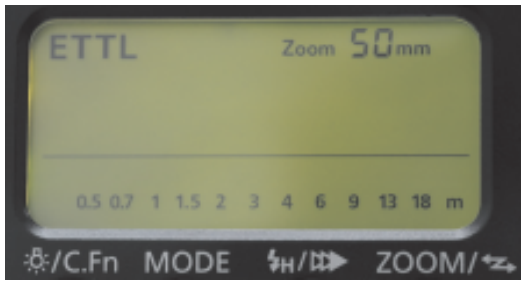
- **E-TTL II metering**
- **FEL: Flash Exposure Lock**
- **Modeling flash**

# Shutter Sync

## 1. 1st Curtain sync

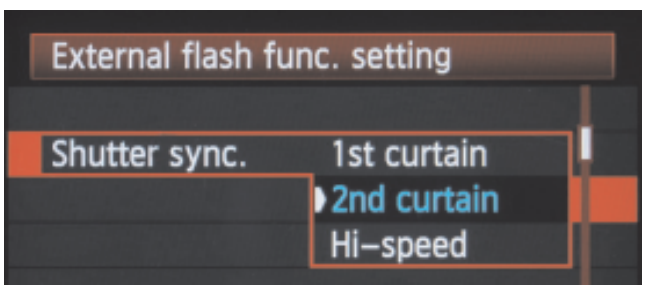
- The normal flash sync.



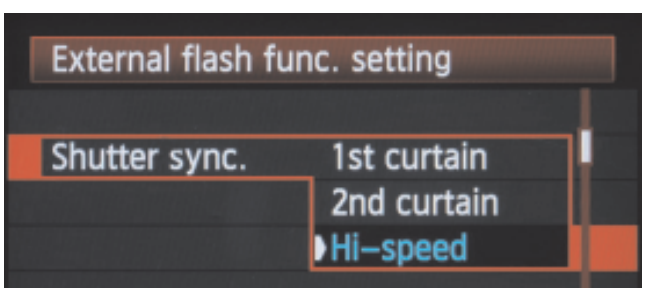

## 2. 2nd curtain sync

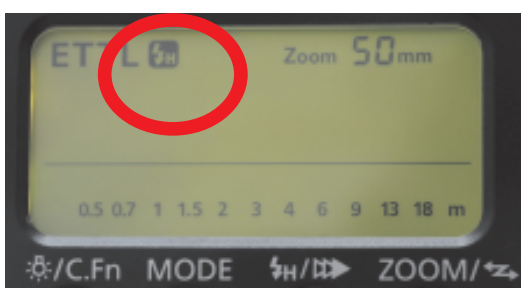
- The flash fires right before the shutter closes, lower shutter speed needs to be used, support bulb 2nd curtain sync flash. **※Only when wireless flash function via the flash control menu is disable , the 2nd curtain sync can be use.**



## 3. Hi-speed Sync(HSS/FP FLASH)

- The flash can sync with all shutter speeds when using HSS. The max speed is 1/8000s or 1/4000s ( depends on the camera ) .




**※ In case of using hot-shoe flash which does not support hi-speed sync, the max sync speed is 1/250s or less.**