YONGNUO
D I G I T A L

YN622C II
E-TTL
Wireless Flash Trigger Transceiver

YONGNUO
D I G I T A L

C1

C2

C3

CH
SET

Test

YN622C II
E-TTL
Wireless Flash Trigger
Transceiver

A

B

C

GP
SET

622

560-RX

OFF
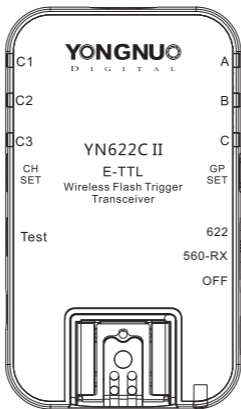
User Manual
用户手册

Contents

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.

On-Top Flash

Transmitter

Off-Camera Flash

Receiver

Flash Control Menu (Camera Menu)

YN622C II

LCD Display

Off-Camera Flash

Receiver
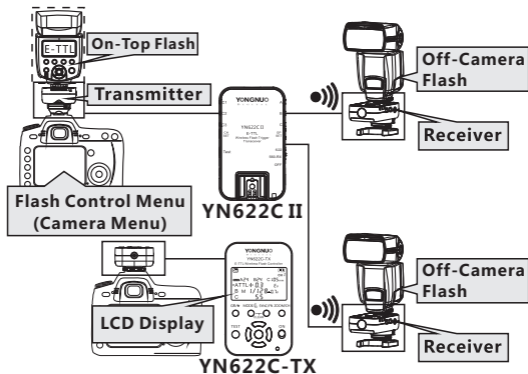
YN622C-TX

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.**

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

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

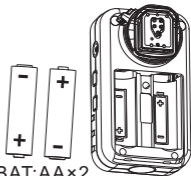| Indicator	Blinking	Keep Lighting
Channel Indicator	Communicating (Remote control mode)	Mix Control Mode
Group Indicator	Firing group or receiving group	Testing Communicating
State Indicator(green)	TX Communicating(622)	Testing Communicating
State Indicator(red)	RX Communicating(622)	Standby State
State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

※The protective film can be torn out.
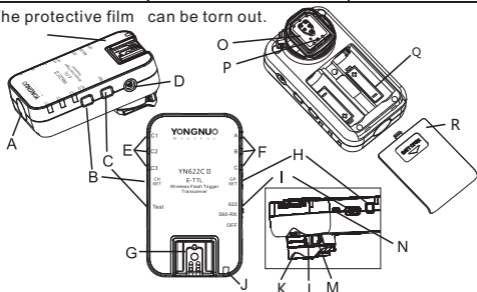
A	AF assist beam emitter(p.24)	J	State indicator(p.5)
B	Channel setting button (p.8/9)	K	Dust and water resistant adapter
C	Test button(p.9/10)	L	Mounting foot lock lever(p.6/7)
D	PC port(p.23)	M	Lock-release button
E	Channel indicator (p.8)	N	USB upgrade terminal(p.26)
F	Group indicator (p.8/9)	O	Mounting 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. BAT:AA×2
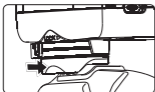
※ **Remove the batteries when the product is not used for long time.**

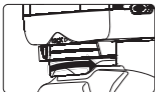※ **Please replace the both two batteries at the same time.**
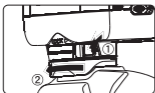
2.Attaching and Detaching the Transmitter

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)
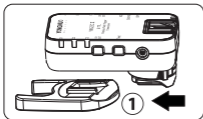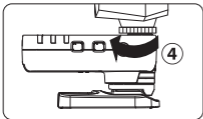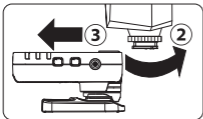

1. Install the transceiver into the flash bracket or other fixing devices (Not included in the product box).
2. Make sure the mounting foot lock of the flash is released
3. Slide the flash's mounting foot into the transceiver's hot shoe fully.
4. Lock the flash in place.

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.

✎ **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.**
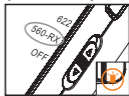
Setting

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.

Red Indicator (622mode)

• 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.
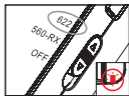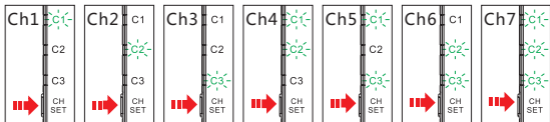

Orange Indicator (560-RX mode)

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.

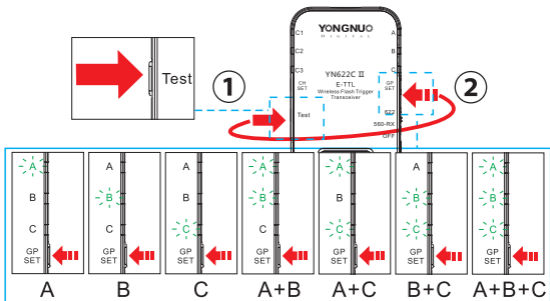

3. Receiving Group Setting (Press [GP SET] Button)

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.
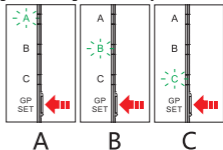
Setting

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.
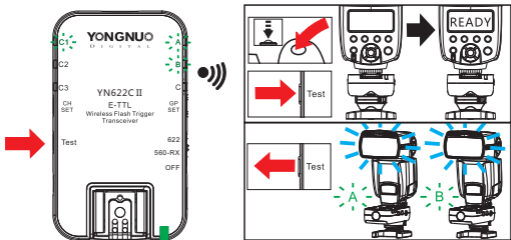

※ **If the flash can not be awakened, manually awaken the flash before shooting.**

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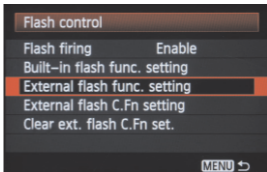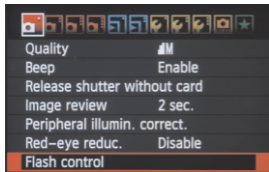
※ **Suggest disabled wireless flash function when using 2st curtain sync only.**

Automatic Flash (E-TTL II)

· **Fully-automatic Flash Shooting**
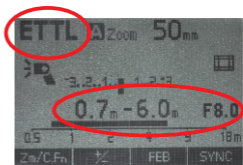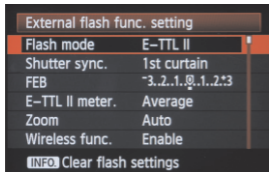
1. Select flash mode as E-TTL II mode.
2. Half press camera's shutter button to focus, and on the flash screen the aperture and effective range etc. parameters will be displayed.
3. Ensure that the subject is in the effective flash range, full press camera's shutter button to shoot, the flash will be fire according to the setting.
※ **Exposure lever increments may set to 1/3-stop via the camera.**
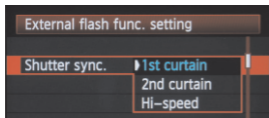

❖ **The following E-TTL functions are advanced application, please refer to the usermanual by the manufacturer of the camera and flash.**

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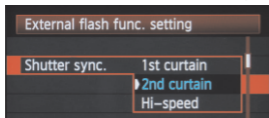· **Modeling flash**

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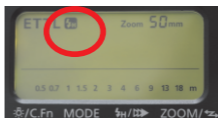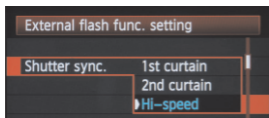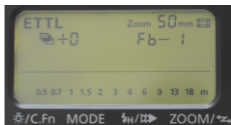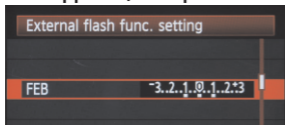
※ **In case of using hot-shoe flash which does not support hi-speed sync, the max sync speed is 1/250s or less.**

FEB/FEC(E-TTL only)

1. FEB (Flash Exposure Bracketing)

- **Support 1/3-stop increments to set FEB within ±3.**

※ **The sequence of FEB is fixed at 0→-→+ , even the FEB sequence of the custom setting in flash is different, the shoot sequence remains to 0→-→+ either.**

※ **FEB function will be automatically cancelled after three shots are taken.**

※ **Even the E-TTL flash does not support FEB can also realize this function.**

2. FEC (Flash Exposure Compensation)

- **Support 1/3-stop increments to set FEC within ±3. The FEC button of the camera can also be use.**
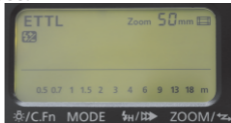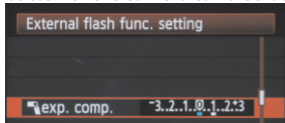
🖉 **Setting value will be show on the flash screen when half-pressing the shutter button. Till FEB and FEC of the flash are set to 0, settings could be changed by remote control of camera menu , and you can also set each of the flash FEB and FEC via its control panel, compensation value shall be superposed according to flash setting plus camera menu setting, for example, the camera menu is set to -3, and the flash is set to +3, then exposure compensation shall be 0.**

Zoom (Flash Coverage)

- **Zoom supports automatic/manual setting.**
1. With automatic setting, focal length of the flash may change with lens focal length.
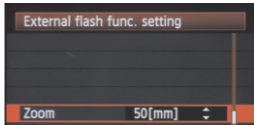2. With manual setting, focal length of the flash supports manual setting within 24-105MM.
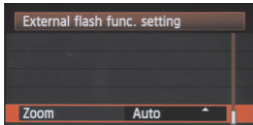
1. Automatic Setting

2. Manual Setting
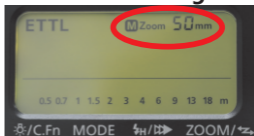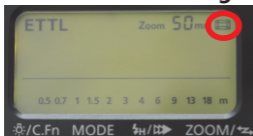
3. Zoom Lock

•   Hold down the [CH SET] button of the receiver for seconds until channel indicator keeps lighting (same to set the mix control mode for the transmitter, p.21), enable the zoom lock function for the receiver, then the flash on the receiver will not be controlled by the camera menu, adjust flash zoom settings with flash control panel (automatic or manual), that means each flash can be set with a different focal. Hold down the [CH SET] for seconds again to cancel.

Manual Flash/ Multi Flash

1.Manual Flash: Manually set flash output (1/128~1/1 power 1/3-stop increments)

•   Select flash mode as Manual Flash Mode, setting flash output ,shutter sync, zoom etc.

2.Multi Flash (Stroboscopic flash)

•   Select flash mode as Multi Flash, setting via the camera menu.

Items	Parameter
Flash Output	Manual (Max1/4)
Frequency	1-199hz
Flash count	1-100times
Zoom	Auto/Manual (24-105mm)

✎   **The three parameters of flash output, frequency, and flash count may restrain each other, setting details may be referred to user manual of flash manufacturer. Factual output shall be subject to the flash's screen display.**

Wireless Function*

· **By setting the wireless flash function menu, in a different flash mode or firing group, remotely set A / B / C, three groups of flash ratio or flash output.**
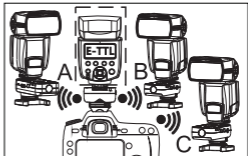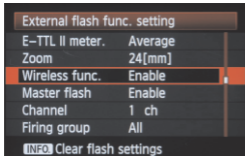
1. **Enabled the wireless function via flash control menu.**
2. **Master Flash: Option for a flash which installed on the transmitter(on-top flash), select enable for firing or disable. On-top flash exposure setting as well as group A.**

· The on-top flash just like a flash installed in receiver, which supports E-TTL, manual flash, multi flash mode and can cooperate with other off-camera flash using. It supports the function of AF assist beam emitter(p.24), disabled the wireless function can also be used the on-top flash.

• The zoom of the on-top flash will not be controlled by the camera menu, adjust zoom settings with flash control panel (auto or manual), that means you can make the zoom setting of the on-top flash different from other off-camera flash, such as auto set for the on-top flash(via control panel), manual set for the off-camera flashes(via camera menu).

※ **Enable the wireless flash function, 2nd curtain sync function will be unable to use.**

※ **For 5D MarkIII, 650D and other new models, selecting the optical transmission menu insteads of wireless function.**

* **YN622C is corresponding to optical pulse transmission wireless function.**

Wireless Function

3.Channel Setting via Wireless Function
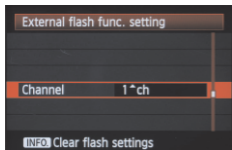
Set channel (CH1-CH4 only) of the transmitter via wireless function setting, the changed shall cover the original setting. CH1-CH7 may also be set by directly pressing [CH SET] at the transmitter(p.8).

4. Firing Group Setting via Wireless Function

Sets firing group of the transmitter via wireless function setting, in transmitting communications, state indicator and group indicator both blinking green, the following table shows that each group indicator stands for different firing group available.
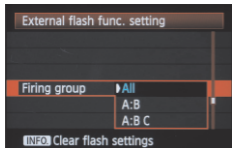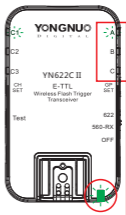
Group Indicator	Firing Group
Indicator A blinks	ALL (A+B+C)
Indicator B blinks	(A:B)
Indicator C blinks	A:BC or A:B:C
Indicator goes out	ALL (A+B+C)

※ **When disabled the wireless function via the camera menu, in transmitting communications, group indicator will go out, firing group consists of all (A+B+C), all groups of flashes using the same setting.**

Flash Ratio with E-TTL II

· **Flash fire ratio and FEC of the A, B, C three firing groups can be set under E-TTL II flash mode.**

External flash func. setting	
Wireless func.	Enable
Master flash	Enable
Channel	1 ch
Firing group	All
Flash exp. comp	‾3..2..1..0..1..2‥3
A:B fire ratio	2:1 · 1:1 · 1:2
INFO Clear flash settings	

1.All (A+B+C)
Ratio off, A/B/C three flashes automatically fire with same output, flash exposure compensation (FEC)can be set.

External flash func. setting	
Wireless func.	Enable
Master flash	Enable
Channel	1 ch
Firing group	A:B
Flash exp. comp	‾3..2..1..0..1..2‥3
A:B fire ratio	2:1 · 1:1 · 1:2
INFO Clear flash settings	

2.A:B
Set fire ratio (8:1-1:8, 1/2-stop increments) and flash exposure compensation for flashes of Group A and B, Group C does not fire.

External flash func. setting	
Wireless func.	Enable
Master flash	Enable
Channel	1 ch
Firing group	A:B C
Flash exp. comp	‾3..2..1..0..1..2‥3
A:B fire ratio	2:1 · 1:1 · 1:2
INFO Clear flash settings	

3.A:BC
Set fire ratio and FEC for flashes of Group A and B, FEC of Group C can be set solely (Group C flash may be overexposure to the subject , suitable for use as a backlight).

Manual/Multi Flash Output

· **Flash output for each group A/B/C can be separately set under Manual/Multi flash mode.**
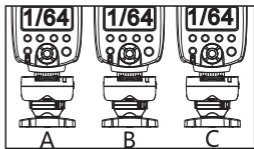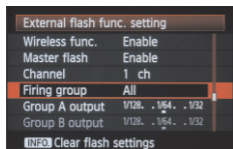
1. All (A+B+C)-The three groups of flashes shall be set with the same output.
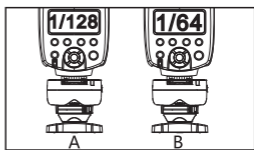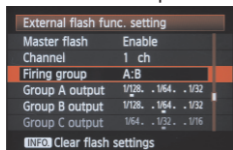
2. A: B-Group A and B shall be separately set, Group C flash will not fire.
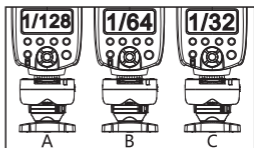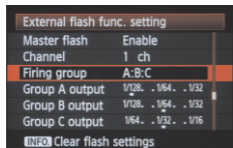
3. A: B: C-Group A, B, C shall be separately set.
※**Flash output under menu root is same to Group A.**

Mix Control Mode

•   **Set the flash on each receiver in different flash modes as Manual/E-TTL/Multi for mix control, the settings of the flash is prior , channel indicator of the transmitter will keep lighting when enabled this control mode. Supports type A/B cameras using.**

1. Hold down the [CH SET] button for several seconds of the transmitter until the channel indicator blinks for 3 times and then keep lighting, enable the mix control mode.

2. Flash mode of the transmitter will be fixed at E-TTL and the zoom setting is disabled.

3. Set the parameters of each flashes via it own control panel.
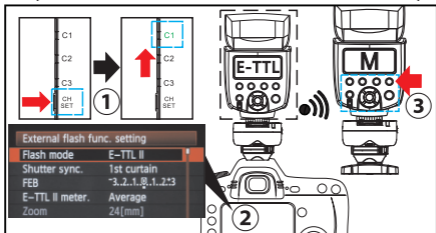

In the mix control mode, set items via the flash it supports: Flash mode (output), FEB, FEC, Zoom etc.

•   Set the shutter sync via camera menu and the flash set is invalid (Type B camera defaults to hi-speed sync).

※ **Disable the mix control mode by hold down [CH SET] button again then it will return to remote control mode (the channel indicator goes out in standby state).(p.11)**

Flash Triggering of B/C Type Camera

Type B Cameras:

· There is no flash control menu of such type of cameras that some of function will be restricted. Enable the mix control mode of the transmitter before using(P.21).

1. **Setting of transmitting groups (set in the transmitter when it in transmitting status):**
   Half press the camera's shutter button then status indicator blinks green. Press [GP SET] to set transmitting firing groups.

Group Indicator	Firing Group
Indicator A blinks	ALL (A+B+C)
Indicator B blinks	(A:B)
Indicator C blinks	ALL (A+B+C)
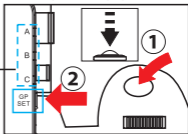
2. **Setting of flash mode (via the flash control panel):**
1). Automatic (ETTL) mode supports automatic flash, supports the settings of FEC and FEB, it defaults to hi-speed sync.
2). Manual (M) mode, manually set the flash output. It defaults to hi-speed sync.
3). Multi mode, set according to the flash.

Type C Cameras: Manually set the Flash Output

1. **Transmitting group set (via the transmitter):**
   Set according to testing group of transmitter (p.9).

2. **Flash mode set (via the flash control panel):**
   Set the manual(M) flash output via the control panel of the flash, and trigger with transmitter's main flash contact(single contact). Do not support hi-speed sync or other TTL functions.(Max speed sync is 1/250s or less)

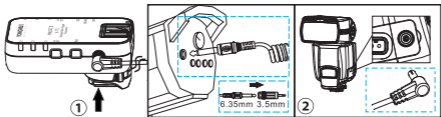# PC Port Triggering (Support Super Sync *)

Caution! Do not connect to the PC port any flash requiring trigger voltage more than 300V, or the transceiver may be damaged.

• **Purchase corresponding PC flash sync cord according to the different ports of the flashes needs .**
1. Use an end of PC sync cord with nut to connect to the receiver.
2. The other end of the PC sync cord connects to strobe flashes or other flashes which supporting PC port.
3. Set the camera's shutter sync as 1st curtain or 2nd curtain.
4. Adjust shooting parameters and shoot.

* Super sync: Use the non-high speed sync flash to realize higher sync speed, this function is more applicable to strobe flashes whose flash duration is longer. (PC port output only)
1. Connect the receiver to flash via PC port and it may needs setting at manual full-power flash output (1/1).
2 . Use manual exposure or shutter-priority mode, set the shutter sync as hi-speed sync, the maximum shutter sync speeds can reach to 1/8000s. Take photos and check whether the photos are synchronous , it may see gradations or variations in the photos, results depend on the camera and flash.

※ **The PC port is for output using only.**
※ **Flashes on the hot shoe and connecting to the PC port can be used at the same time.**
※ **For type C camera, the max PC sync speed is 1/250s or less.**

References

AF Assist Beam Emitter

· When using AF under low-light, the built-in AF-assist beam emitter of the transmitter will be emitted automatically to make it easier to autofocus, and the flash on the transmitter which support AF assist beam emitter function can also be emitted at the same time.
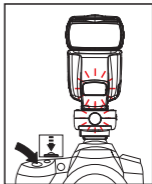
※ **It needs using single autofocus for the lens.**
※ **It needs enabled the AF assist beam function of camera (flash) by custom functions setting. Can also disable this function by custom functions setting(C.Fn8).**
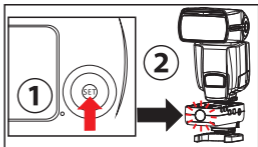※ **Both the receiver and the off-camera flash on the receiver will not be emitted.**

Feedback Function of the AF Assist Beam Emitter

· 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.

※ **Only when the flash which supports assist beam emitter function is set in the receiver and the assist beam emitter is available, can this function be used.**
※ **Install the receiver on the camera and set the assist beam firing as disable via external flash custom function setting camera menu to disable this function(sets will be saved).**
※ **If parameter which the flash doesn't support had been set (such as hi-speed sync), this function will be abnormal.**

Reference-About 560-RX

The YN622C II supports receiving the triggering signal YN560-TX (RF603 communication mode),when using the compatible flash, it can wireless control the flash mode, flash output and zoom of each group; meanwhile supports the triggering signal(the flash set to M mode) of the RF603(II)、RF605(RF603 communication mode). Supports grouping function of the YN560-TX、RF605.

1.Set to the 560-RX mode through the power switch.
2.Set the same channel as the transmitter (Shortly press the 【CH SET】button).
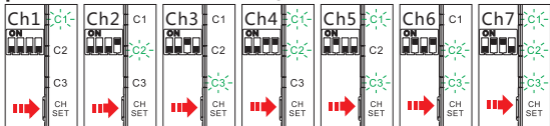
3.Set the receiving group (press the 【GP SET】button).

A   B   C   D   E   F
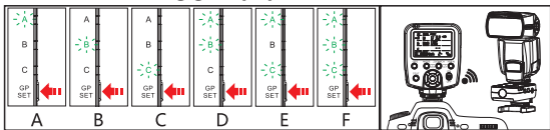
4.Shoot and trigger the flash.
• When the power switch set to "560-TX", it is recommended only use the YN560-TX/RF603/RF605 as transmitter, the YN622C II as receiver. If it is used as transmitter in this communication mode, it will transmit as "622" communication mode.

References

Firmware Update

1. Log in the YONGNUO official website:
   http://www.hkyongnuo.com/e-detaily.php?ID=364
   to download the firmware update software and the latest firmware.
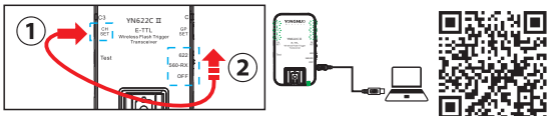2. Power off, use Micro-USB(do not include) cable connect to PC.
3. Press the <CH SET> button and set the power on, all the indicator bright(green).
4. Complete the firmware upgrade operation according to the prompt of software.

Factory Reset
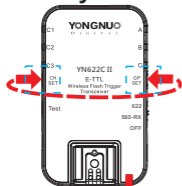
1) Hold down the buttons [CH SET] plus [GP SET] at the same time.
2) The state indicators will blink for 3 times in red-green alternately then turn to keep lighting (red).
3) Release all the buttons then reset the factory set.

About Automatic Saving Function

The transceiver will automatically save the sets such as channel, receiving group, AF assist beam. In the TTL set, some parameters will not be saved, such as the set of fire ratio etc.

Troubleshooting

1. **Fail to power on or automatic shutdown:**
- The battery is loaded inversely or exhausted; the status indicator light will blink(red) separately when the battery is going to be exhausted, and it will power off automatically in case of being over discharged.
- ▲ Install the battery according to the correct direction, ensure the battery is full and restart the power (refer to page 8).

2. **The flash doesn't fire:**
- Ensure the power of all are full, the connection among the transceiver, camera and the flash is reliable; whether the indicator is set in the same channels and controllable groups. Flashes recycle process, entering in the state of overheating protection, the flash enters into sleep status etc. may makes the flash doesn't fire. Ensure the flash is in ready state, use the [Test] button test the flash before using.
- Check the power switch of the receiver to see if it set to correct communication mode. Such as the receiver set to "560-RX" mode, it will not receive the signal of "622".

3. **Fail to enable the 2nd curtain sync:**
- That's because the restriction of camera menu.
- ▲ It shall set the wireless function disabled if needs using the 2nd curtain sync.

4. **Can't access into the external flash function menu or the menu is displayed abnormally:**
- The transmitter is not installed right , the contacts of the hot shoe is stained or the power of the battery is exhausted.
- ▲ Reinstall the transmitter and clean the contacts ,replace the batteries.

5. **The channel indicator bright all along, unable to change the flash mode and zoom of camera menu.**
- It is because enable the "mix control mode" .
- ▲ Please long press the "CH SET" button to exit the mix control mode or restore to factory settings.

Troubleshooting

6. **The assist beam emitter doesn't work:** Refer to page 24.
7. **The on-top flash doesn't fire:** Enabled the master flash via the wireless function setting.
8. **Can't set the flash zoom via camera menu:** When the mix control mode has been set in the transmitter (p.21) or zoom locking has been set in the receiver (p.15), zoom can't be set via camera menu. Zoom setting of the on-top flash needs to be set separately(p.17).
9. **Fail to set channel 5, 6, 7 via camera menu:** This is caused by the camera restriction and it can only set the channel 1-4 in via camera menu, while other channels can be set via channel button.
10. **ETTL underexposure or overexposure:** Suggest enable wireless flash function when using ETTL flash mode, and adjust the position of the flash, use FEC/FEL function, check flash's effective range. It may overexposure when ETTL and manual flash are used at the same time, now the manual flash suits to be used as a backlight.
10. **Information of aperture, distance are not displayed on the flash when half pressing the shutter:** Set compatiable flash mode/shutter sync with the flash on the transmitter.
11. **No effect of the flash exposure bracketing calculation on receiver:** Set the flash mode which is compatible with the flash.

❖ **It is suggested using the following procedures to deal with when other trouble occur during the using:**

1). Restart all the equipments.
2). Replace the batteries of the transceivers.
3). Reset the factory set of the transceivers/camera/flash.
4). Install the hot-shoe flash on the camera directly and clear the custom function of external flash then install it on transceiver again.

Specifications

System type: Digital FSK 2.4GHz wireless transceiver

Distance: 100M

Channel: 7

Flash mode: E-TTL(II), Manual flash, Multi flash

Sync mode: 1st curtain, 2nd curtain, Hi-speed sync

Groups: A/B/C 3Groups(622);A/B/C/D/E/F 6Groups (560-RX)

Max Sync speed: 1/8000s*

Input: Hot-shoe(TTL,main contact)

Output: Hot-shoe, PC port

Firmware upgrade terminal: Micro USB

Applicable battery: AAX2 (support 1.2 V rechargeable battery)

Stand-by time: 60h

Dimensions: 91.5X53.5X43mm

Net Weight:89g

***About the Max Sync Speed**

It needs the camera and flash both support hi-speed sync, and the max sync speed is 1/8000s or 1/4000s. When using the hot shoe flash which doesn't support hi-speed sync, the max sync speed is 1/250s or lower. Sync speed of part of cameras and flashes may be lower.

※ All of the specification parameters are base on test conditions of our company. All registered trademarks are the property of their respective owners in this user manual. Specifications subject to change without notic. **Updated version of the user manual can be got from www.hkyongnuo.com**

YONGNUO
D I G I T A L

产品保修卡
Warranty card

序列号
SN.

产品名称
Product Model

购买日期
Purchase Date

用户名称
Name

联系电话
Phone

地址
Address

邮编
Zip Code

故障说明
Failure Description

V1.0