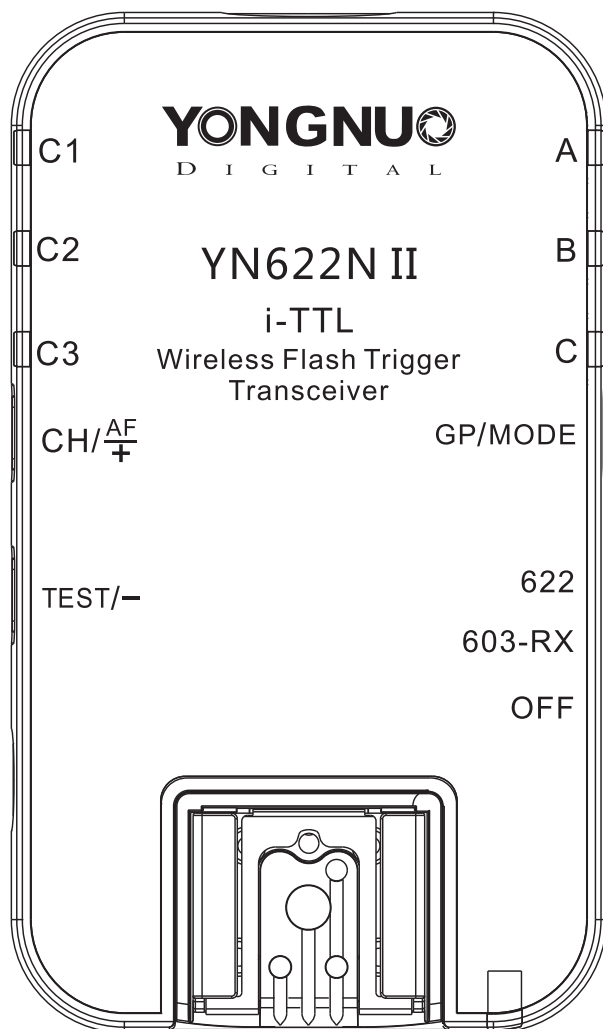




YN622N II

i-TTL

Wireless Flash Trigger Transceiver



User Manual

用户手册

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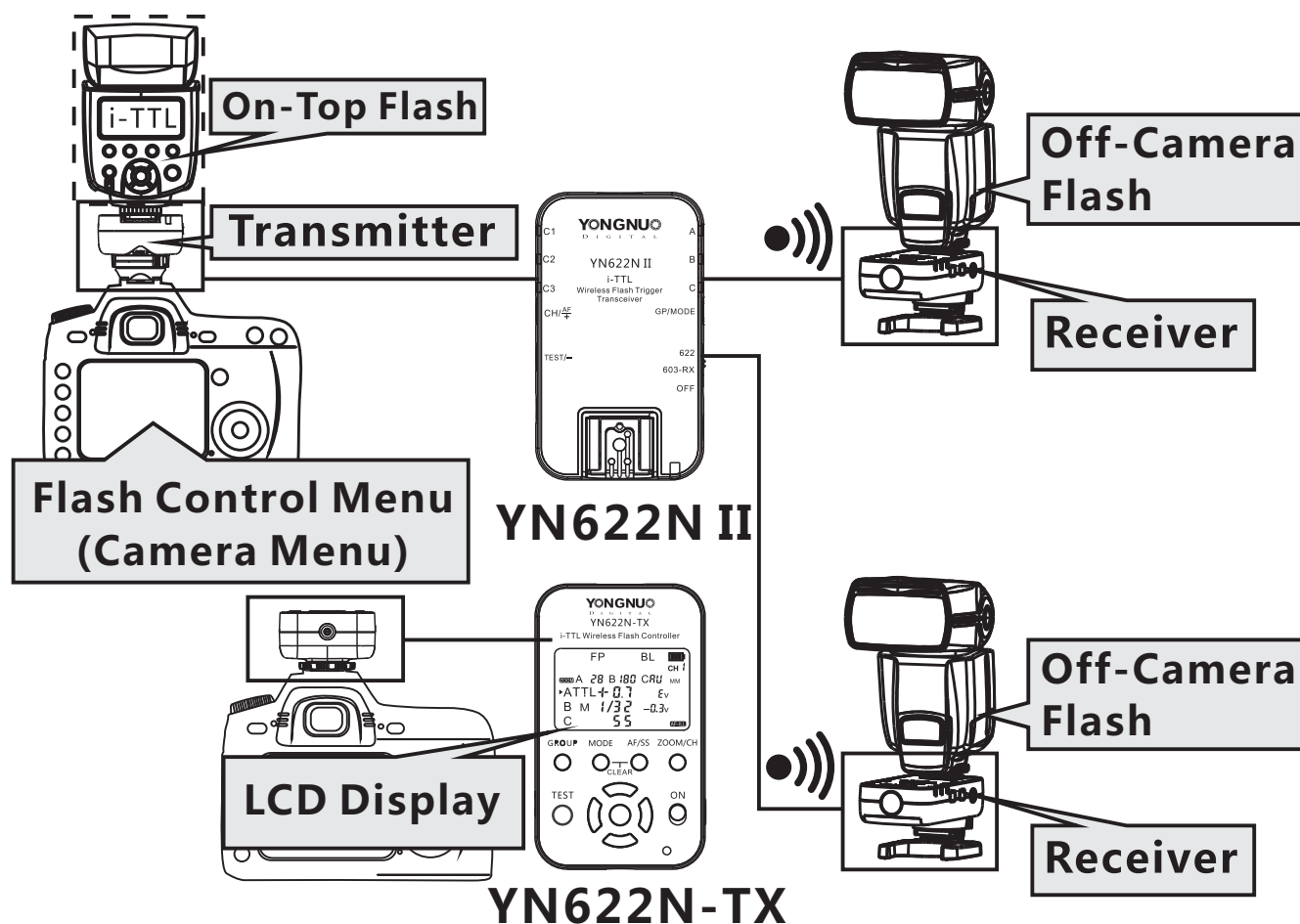
Cautions

- 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 water 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 YN622N-TX i-TTL wireless flash controller as a transmitter, about the introduction of this product, please visit the following website:

<http://www.hkyongnuo.com/e-detail.php?ID=339>



Function Introduction

Thank you for purchase the products of Yongnuo firstly.

- The new upgrade version YN622N II can set to "622" or "603-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.
- YN622NII i-TTL wireless transceiver is a high performance 2.4G wireless flash trigger designed for Nikon users. Different photographic effects can be realized through setting the flash at 360 degrees. It supports i-TTL and manual flash, front-curtain sync, rear- curtain sync and high-speed sync(Auto FP), the highest sync speed is 1/8000s*. it can remote change flash exposure compensation or flash output of each group, supports different flash mode mix using. Supports the transmitter installed i-TTL flash, in addition, it supports the master unit on transmitter sets the parameters of each group. This product is a wireless transceiver design, the distance of remote control reaches 100M, supporting 7 wireless channels and A/B/C three groups, and with AF assist beam emitter function.
- YN622N 2 transceivers kit consist two similar transceivers, support one camera controlling multiple flashes at the same time. Install the flashes with the receiver additionally purchased to make them into an application form of multiple-flashes, number of the receivers is not limited.

✘ **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, "603-RX" communication mode
- Compatible flash mode: i-TTL, Manual flash
- Compatible Shutter sync: front-curtain sync, rear-curtain sync and high-speed sync(HSS/FP), the highest sync speed is 1/8000s
- Support remote set the parameters of flash through the transceiver (Remote Control Mode)
- Support i-TTL/Manual/Repeating flash mode mix using(Mix Control Mode)
- Support the flash installed on transmitter(on-top flash)and supports i-TTL function
- Support the use of master unit on transmitter sets the parameters of each group(Master Control Mode)
- Support FEC, FVL, BKT function
- Support modeling flash and red-eye reduction flash
- Support flash zooming (auto)
- Built-in AF assist beam emitter (AF Lamp)
- Settings saved automatically
- Compatible with YongNuo/ Nikon series flashes
- Support PC port triggering strobe flashes
- PC port support front/rear curtain sync and high-speed sync(Super Sync)function
- 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. **In this user manual, assumes that you are using the compatible camera/flash. Updated version of the compatibility list and this user manual can be got from www.hkyongnuo.com**

Compatible camera list :

Nikon

D70/D70S/D80/D90

D200/D300/D300S/D600series/D700/D800series

D3000series/D5000series/D7000series

Compatible i-TTL flash list :

YongNuo

YN465/YN467/YN468/YN565/YN568(For Nikon series)

Nikon

SB-600/SB-700/SB-800/SB-900/SB-910

List of that the master unit using master control mode on the transmitter is supported (refer to p15):

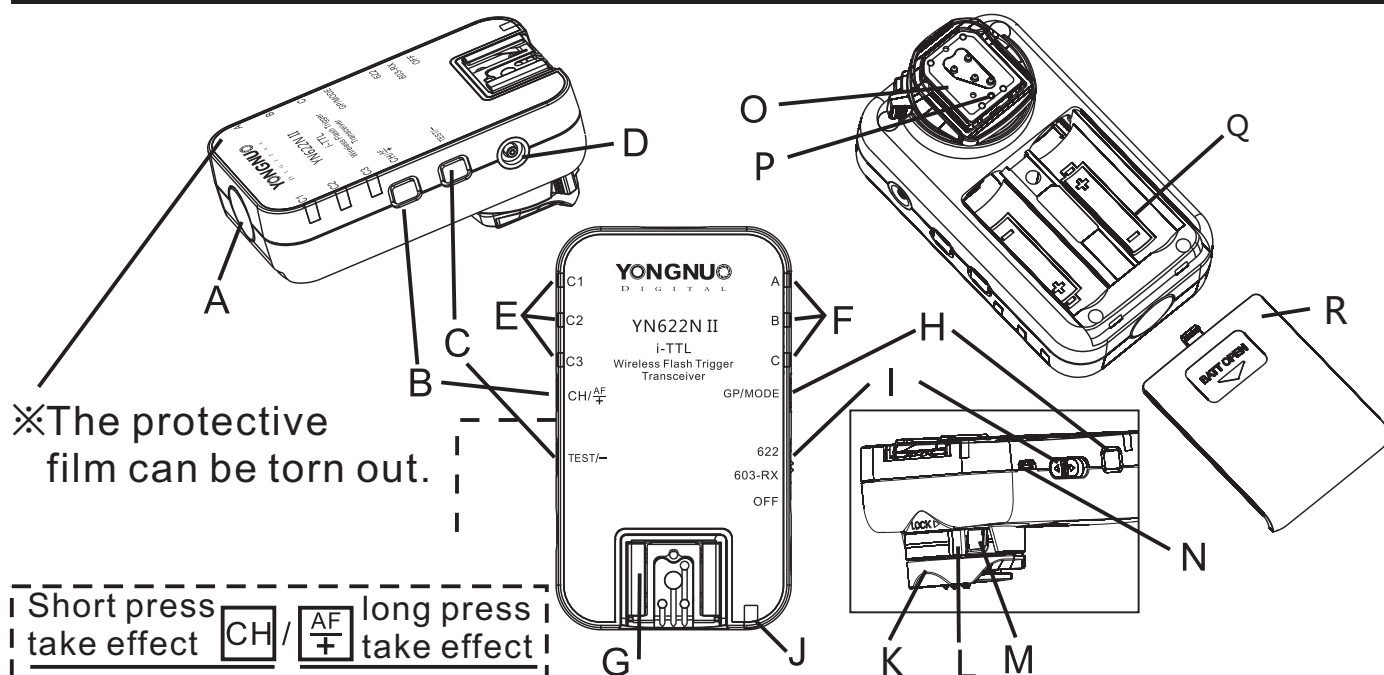
SB-700/SB-900/SB-910/SU-800

※ The follow functions refer to the manufacturer of the camera and flash.

- **Flash Value Lock(FVL), BKT**
- **Modeling Flash**
- **Red-eye Reduction Flash**
- **ZOOM(flash coverage):**Support the auto zoom which mounted on the top and off-camera flash . Please set manually zoom on the flash if you do not need auto zoom.

Name of Parts

Communication State	State Indicator	Channel Indicator	Group Indicator
622 Standby (receive)	Red(622)	Go out	Go out
622 Receiving	Red(622)	Blink	Blink
622 i-TTL Transmitting	Green(622)	Blink	Blink
622 Manual Transmitting	Orange(622)	Blink	Blink
603-RX Standby (receive)	Orange(603-RX)	Go out	Go out
603-RX Receiving	Orange(603-RX)	Blink	Blink



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

Preparation Before Use

1. Installing the Batteries

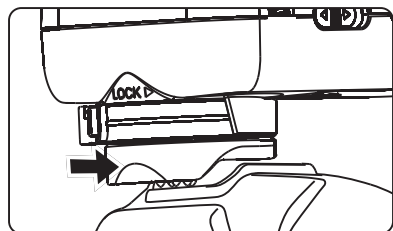
Open the cover and install two AA batteries (excluded) according to the + and - marks, rechargeable batteries of 1.2V can be used. When in low battery, the status indicator light will blink (red) separately, at the moment need to replace battery.



BAT:AA×2

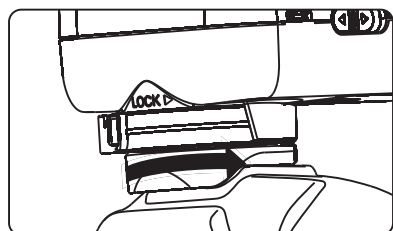
- ✖ **Remove the batteries when the product is not used for long time.**
- ✖ **Please replace the both two batteries at the same time.**

2. Attaching and Detaching the Transmitter



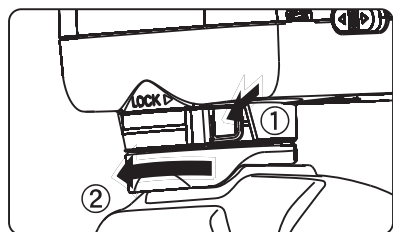
1). Attach the transmitter.

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.



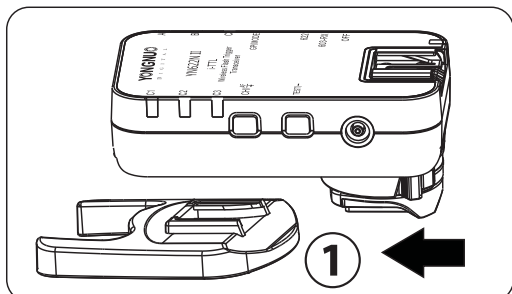
3). Detach the transmitter.

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)

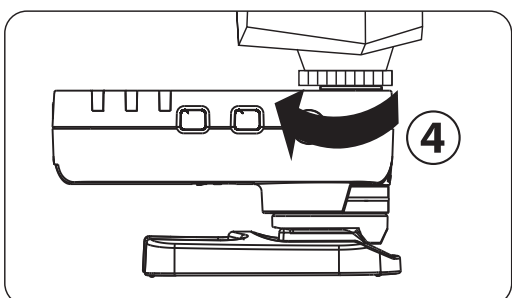
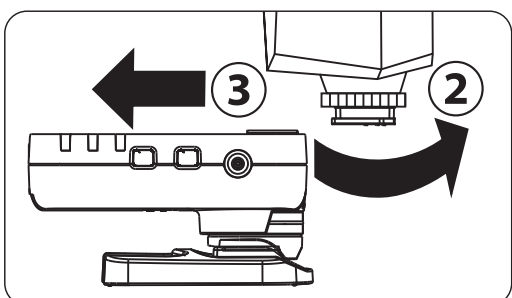


1. Install the transceiver into the flash bracket or other fixing devices (Not included in the product box).

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.



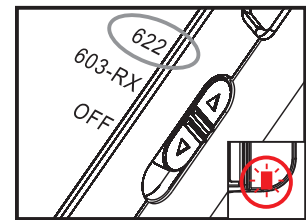
Caution! The hot shot of the transceivers can only install flash being applicable to DSLR cameras, can not install high-voltage flash, or the transceiver may be damaged.

 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 13), trigger the flash until flash recycling completely.

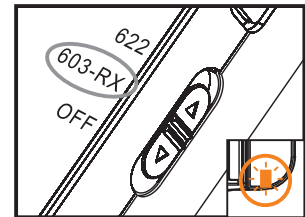
Setting

1. Power switch

- The YN622N 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 "603-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 603-RX please refer to page 17.



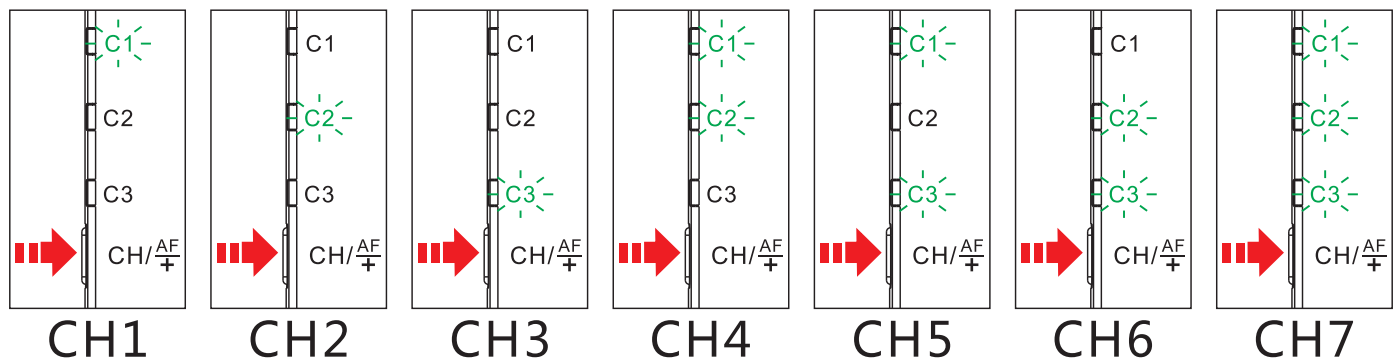
Red Indicator
(622mode)



Orange Indicator
(603-RX mode)

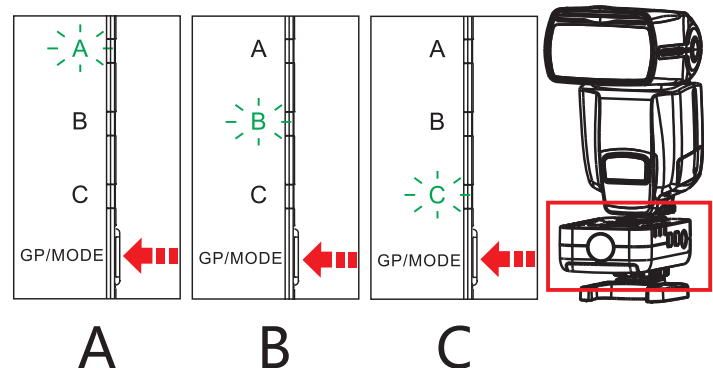
2. Channel Setting

Short press the [CH/AF] button and the channel indicator will keep lighting for several seconds to indicate the current channel, at this time shortly press the button again to change channel, totally 7 channels. Set all the transceivers at same channel.



3. Receiving Group Setting

In standby state short press the [GP/MODE] button to view the current receiving groups, then short press the button again to switch between A/B/C the three groups.

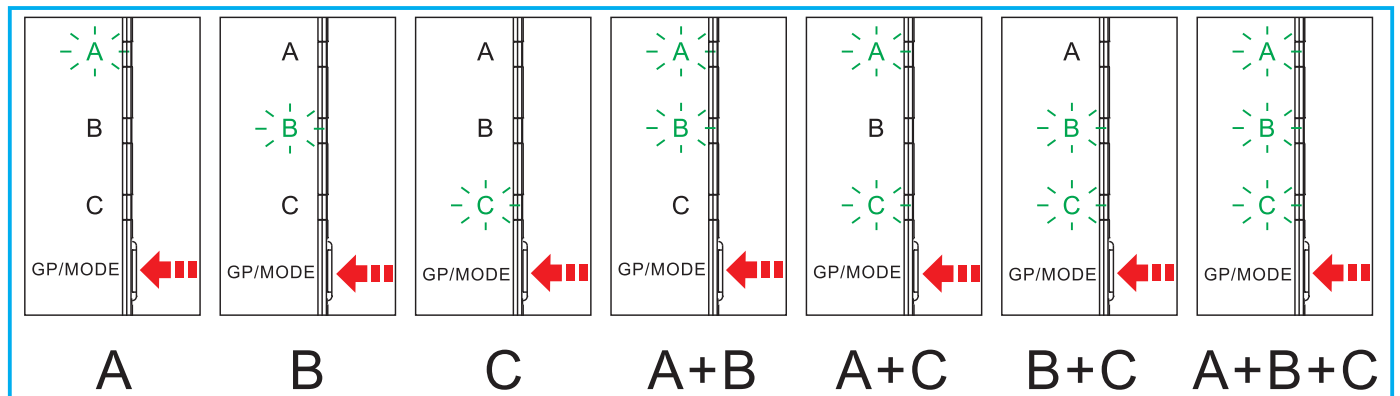
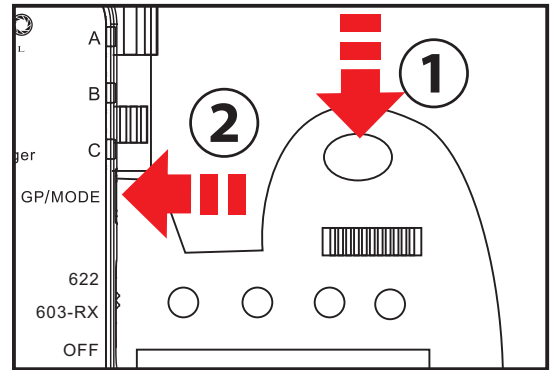


Setting

4. Transmitter group setting

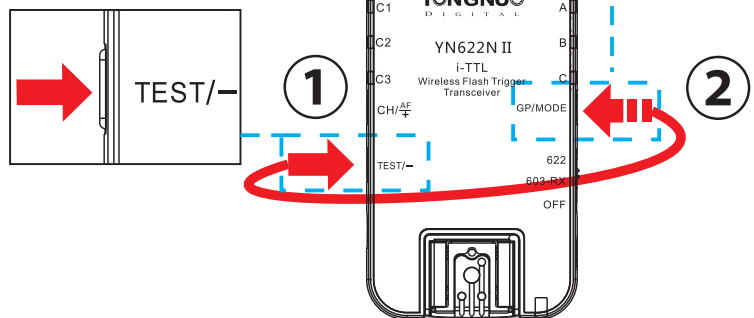
Method 1:

- 1). Half press the camera button to enter into the transmitting state.
- 2). Short press the [GP/MODE] button in the transmit state, set the transmitting group, then the indicator light will display the groups involved in flash.



Method 2:

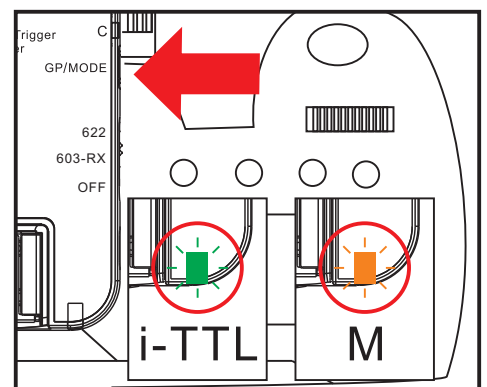
Hold down the [TEST/-] button in standby state, and short press the [GP/MODE] button to set.



5. Set the transmitter flash mode*

Long press the [GP/MODE] button until the indicator light switch between green (i-TTL flash) or orange (manual flash).

*** Remote control mode only**



Setting

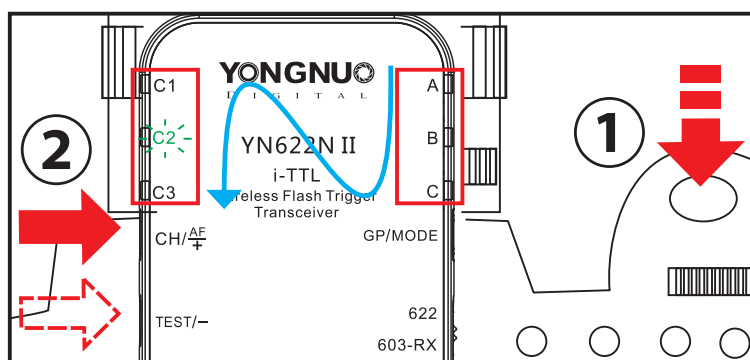
6. Set the flash parameter of each group on the transmitter (remote control mode)

- i-TTL transmitting state: increase/decrease the flash exposure compensation(FEC), supporting the FEC set between -3 to +3 with 1/3 or 1 step.
- Manual transmitting state: increase/decrease the flash output(refer to p11).

1). Half-press the shutter button of the camera to enter the transmitting state.

2). Hold down the [+] or [-] button to set:

Hold down the [+] (or [-]) button, the indicator will blinking circulated with A→B→C→C1→C2→C3→A... loose the button when indicator stay on A/B/C, the indicator will fast blink one times, the FEC (or flash output) of the corresponding group will increase/decrease 1/3 step; loose the button on C1/C2/C3, the indicator will fast blink three times, the corresponding group will increase/decrease 1 step.



C1 corresponds to group A
C2 corresponds to group B
C3 corresponds to group C

Example: as shown in figure, hold down the [+] button in transmitting state, release until C2 indicator on, it will increase 1 step of the FEC (or flash output) on the flash for group B receiver.

✳ It is supported to set the FEC on the flash directly , the compensation value shall be superposed according to flash setting plus the transmitter setting.

Setting

Manual Flash Output Control(remote control mode)

- YN622N II provides a general way of manual control of the flash output . For the same manual flash output values of YN622N II, even using different GN of the flash, the output is the same (in case not exceed the effective range of the flash).
- The minimum manual flash output value of YN622N II is 1, the maximum flash output according to different GN of the flash, the default value is 8, add 1/3 step is 10.4, add 1 step is 16, and so on. The value of YN622N II is proportional, when the value A is twice as B, the flash output of the former is half of the latter, refer to the form below.

1.0	1.3	1.7	2.0	2.6	3.4	4.0	5.2	6.8	8.0	10.4	13.6
16	20.8	27.2	32	41.6	54.4	64	83.2	108.8	128		

When the YN622N II using master control mode(refet to p15) , the manual output values of the master unit and manual output value of YN622N II convert as below:

Master	1/128	+0.3	+0.7	1/64	+0.3	+0.7	1/32	+0.3	+0.7	1/16	+0.3	+0.7
YN622N II	1.0	1.3	1.7	2.0	2.6	3.4	4.0	5.2	6.8	8.0	10.4	13.6
Master	1/8	+0.3	+0.7	1/4	+0.3	+0.7	1/2	+0.3	+0.7	1/1		
YN622N II	16	20.8	27.2	32	41.6	54.4	64	83.2	108.8	128		

- ※ When setting the flash mode and parameters on the transmitter, the screen of the flash on the receiver will not change.
- ※ Restart the transmitter will restore the default compensation or the flash output setting. (i-TTL compensation=0 /Value of Manual flash=8)
- ※ When the setting parameters reach the maximum or minimum, the corresponding indicator will not blink.

Setting

7. Flash Shutter Sync:

- Refer to the camera's setting. Supports front-curtain sync, rear-curtain sync and high speed synchronous (HSS/Auto FP*).

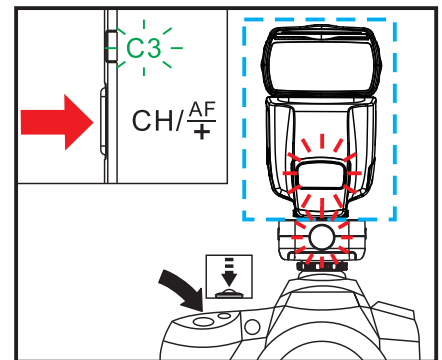
- *Using high-speed synchronization need to set the flash sync speed of the camera to AUTO FP.**

- *The maximum high-speed synchronization speed is 1/8000s or 1/4000s (depends on the camera).**

- *Some models of camera does not support the HSS (without Auto FP option), the shutter speed will be limited to 1/250s or less when using this kind of camera.**

8. 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 on-top flash which support AF assist beam emitter function can also be emitted at the same time.



Enable/disable (stand by)

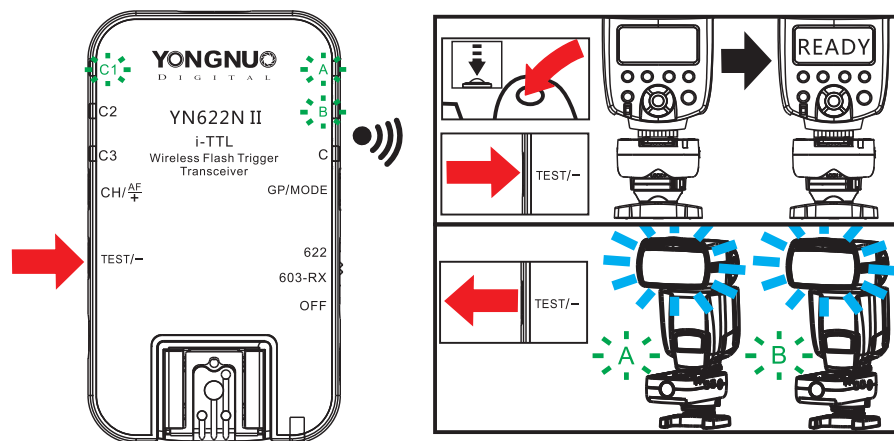
Operate \ State	Channel indicator	AF assist beam emitter
Press [CH/AF+] button less than 3 seconds	On	Enable
	Off	Disable
Press [CH/AF+] button more than 3 seconds	Blinking three times	Enable/Disable

✖ It need to using single AF of the camera.

✖ Both the receiver and the off-camera flash on the receiver will not be emitted.

Flash Awakening and Testing Flash

- When half press the shutter button of the camera, the hot-shoe flash will be awoken.
- In standby state, pressing the [TEST/-] button of the transceiver will awake the flash. When loosening the button, the flash of the group having been selected will fire a test flash.
- Refer to the following figure, the transmitter sets A+B two groups of flash, 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.

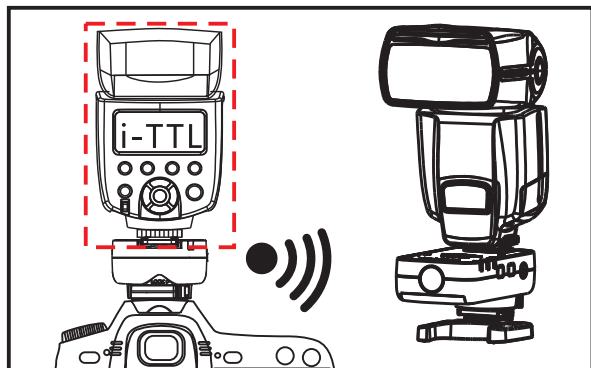
※ All the indicators going out when flash fires(Receiver).

5. The single contact camera/flash: Manually setting the flash output

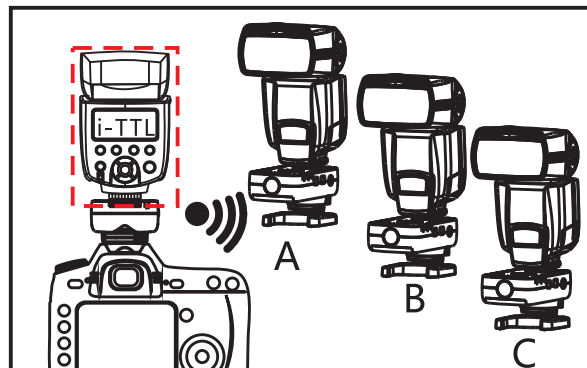
1).**Transmitting group setting:** According to the transmitter group setting method 2(P9).

2).**Flash mode setting (on the flash):**Set to manual flash mode, use the transmitter's main flash trigger contact; but it does not support high synchronous speed or other TTL function(the maximum synchronous speed is 1/250s or less).

Usage



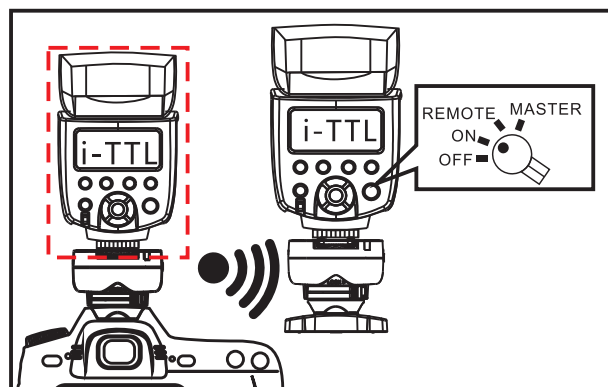
- **2 Transceiver kit packages**
Use 1 off-camera flash or 1 off-camera flash + 1 on-top flash.



- **Compose multiple groups** through additional purchase transceiver.

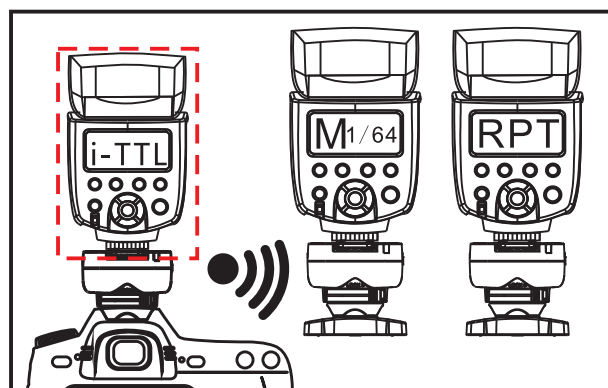
1.Remote Control Mode:

- Set the flash(receiver) to i-TTL flash mode, the flash will fire according to the flash mode and parameters set by the transmitter, support i-TTL/Manual Flash. (P9-11)



2.Mix Control Mode

- Supports the use of flash on the transmitter or the receiver works at the same time in different flash modes include i-TTL, Manual, RPT flash.



Set the flash on the receiver to Manual or RPT flash mode, the flash will work according to the mode and parameters displayed; Set to i-TTL flash mode, it will work according to the transmitter' s setting(same to the remote control mode), the on-top flash refer to p15.

3.Master Control Mode& On-top flash.

1.Power on of the on-top flash: First turn on the on-top flash, then turn on the transmitter.

2.The on-top flash use non master control model:

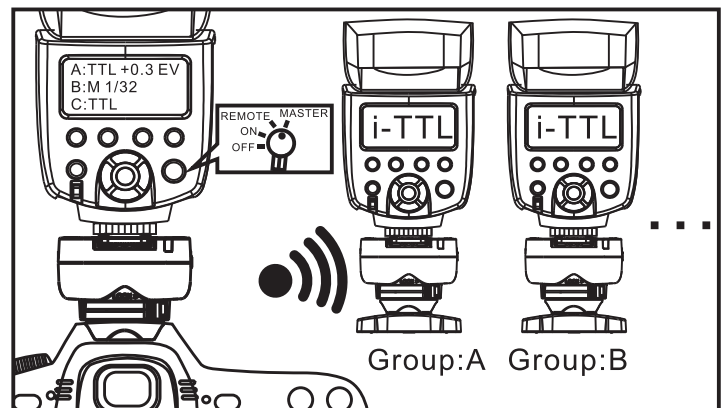
- Flash modes, exposure compensation (flash output), zoom or other parameters set directly on the flash, not affected by the transmitter settings. Supports i-TTL, Manual, Repeating flash.

3.The on-top flash use master control mode:

- Using the on-top flash(master unit) which support master mode to set each group of flash mode and parameters, support i-TTL, Manual flash.

1.Turn on the master unit and set to **MASTER** (commander mode), then turn on the transmitter.

2.Set the receiver group, turn on the flash(Do not set to remote), and set to i-TTL flash mode.

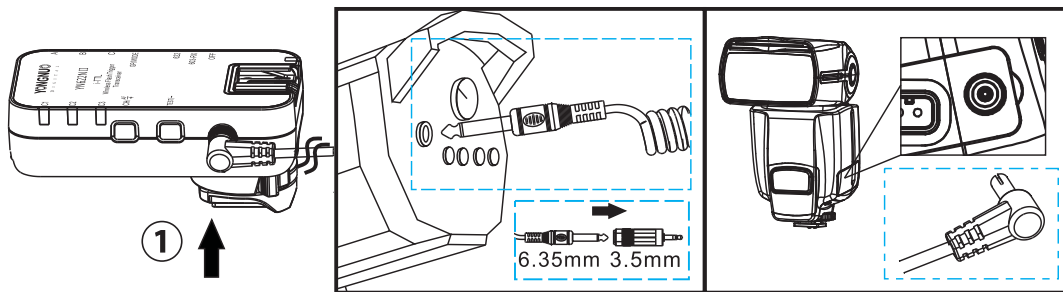


3.Set the flash mode and parameter on the master unit of each group (refer to the manufacturer's usermanual). It will communicate via the YN-622N II transceiver's channel.

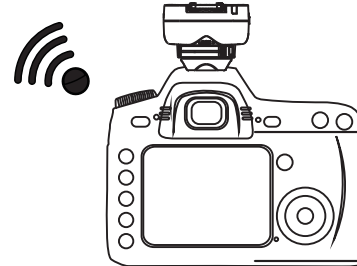
4.Use the test button of the transmitter to test flash and shoot, the flash fires.

✖**The master unit set on the on-top of the transmitter will not transmit infrared commands.**

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 front-curtain or rear-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, and it is for the camera which support Auto FP only.**

1. Connect the receiver to flash via PC port and it may needs setting at manual full-power flash output (1/1).
2. **Set the flash sync speed of the camera as AUTO FP**, 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.

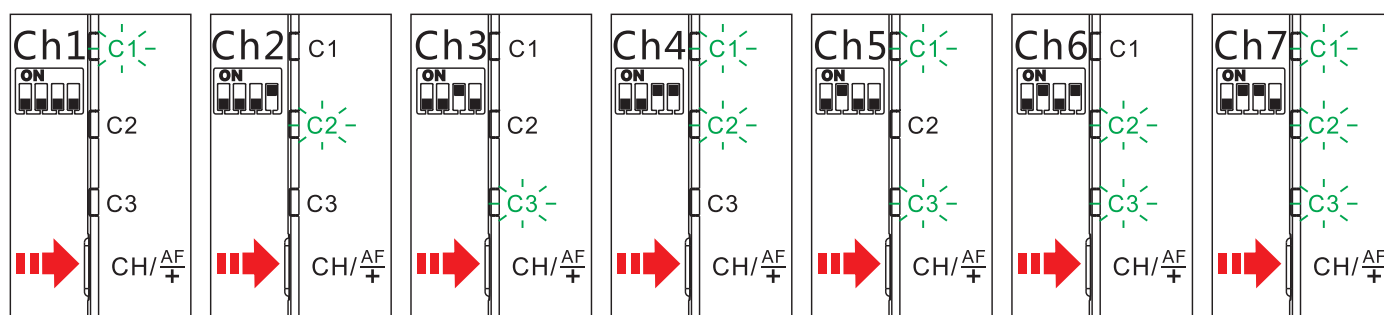
✖ **The PC port is for output using only.**

✖ **Flashes on the hot shoe and connecting to the PC port can be used at the same time.**

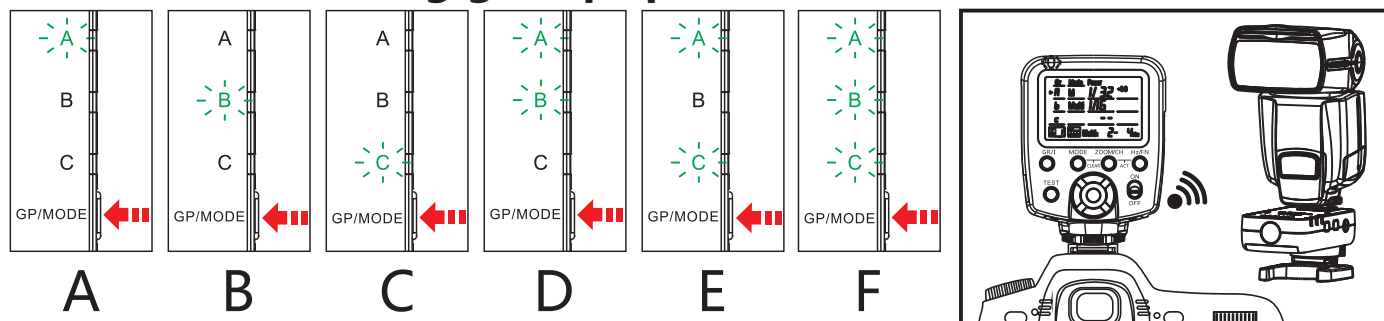
Reference-About 603-RX

The YN622N II supports receiving the triggering signal YN560-TX (RF603 communication mode), meanwhile supports the triggering signal(the flash set to M mode) of the RF603(II)、RF605(RF603 communication mode).

- 1.Set to the 603-RX mode through the power switch.
- 2.Set the same channel as the transmitter (Shortly press the [CH/ $\frac{AF}{+}$]button).



- 3.Set the receiving group (press the [GP/MODE] button).



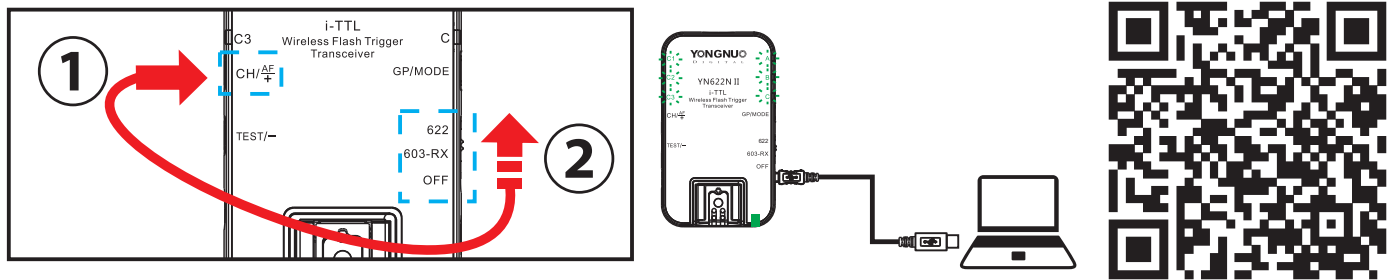
- 4.Set the flash in manual mode, adjust the flash output, shoot and trigger the flash.

- Supports grouping function of the YN560-TX、RF605.
- When the power switch set to “603-RX” , it is recommended only use the YN560-TX/RF603/RF605 as transmitter, the YN622N II as receiver. If it is used as transmitter in this communication mode, it will transmit as “622” communication mode.

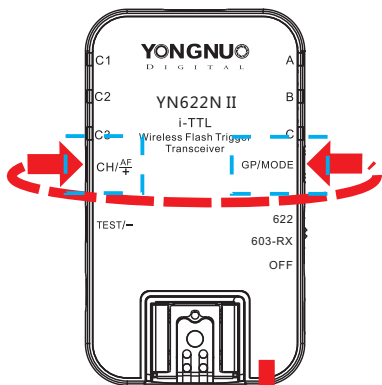
References

Firmware Update

1. Log in the YONGNUO official website:
<http://www.hkyongnuo.com/e-detail.php?ID=363>
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/ $\frac{AF}{+}$] 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 [CH/ $\frac{AF}{+}$] + [GP/MODE] button at the same time.
- 2.) The indicator light will light up in sequence from A → B → C → C1 → C2 → C3 → state indicator (red).
- 3.) Loose all the buttons will restore factory reset.

Troubleshooting

1. Fail to power on or automatic shutdown:

- The battery is loaded inversely or exhausted; it will power off automatically when the battery is going to be exhausted in case of being over discharged.
- ▲ Install the battery according to the correct direction the battery compartment indicates and ensure the battery is full and restart the power (refer to page 6).

2. The flash doesn't fire

Ensure the power of all equipments 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. 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 "603-RX" mode, it will not receive the signal of "622".

3. i-TTL underexposure or overexposure:

Check whether the camera body or the flash set compensation setting. It may be underexpose if exceeds the flashing effect distance . 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.

❖ **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.
- 4). Reset the factory set of the camera/flash.

Specifications

System type: Digital FSK 2.4GHz wireless transceiver

Distance: 100M

Channel: 7

Flash mode: i-TTL, Manual flash

Sync mode: front-curtain sync, rear-curtain sync, Hi-speed sync(Auto FP)

Groups: A/B/C 3Groups(622);A/B/C/D/E/F 6Groups (603-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 1.2V 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 notice.

Updated version of the user manual can be got from www.hkyongnuo.com

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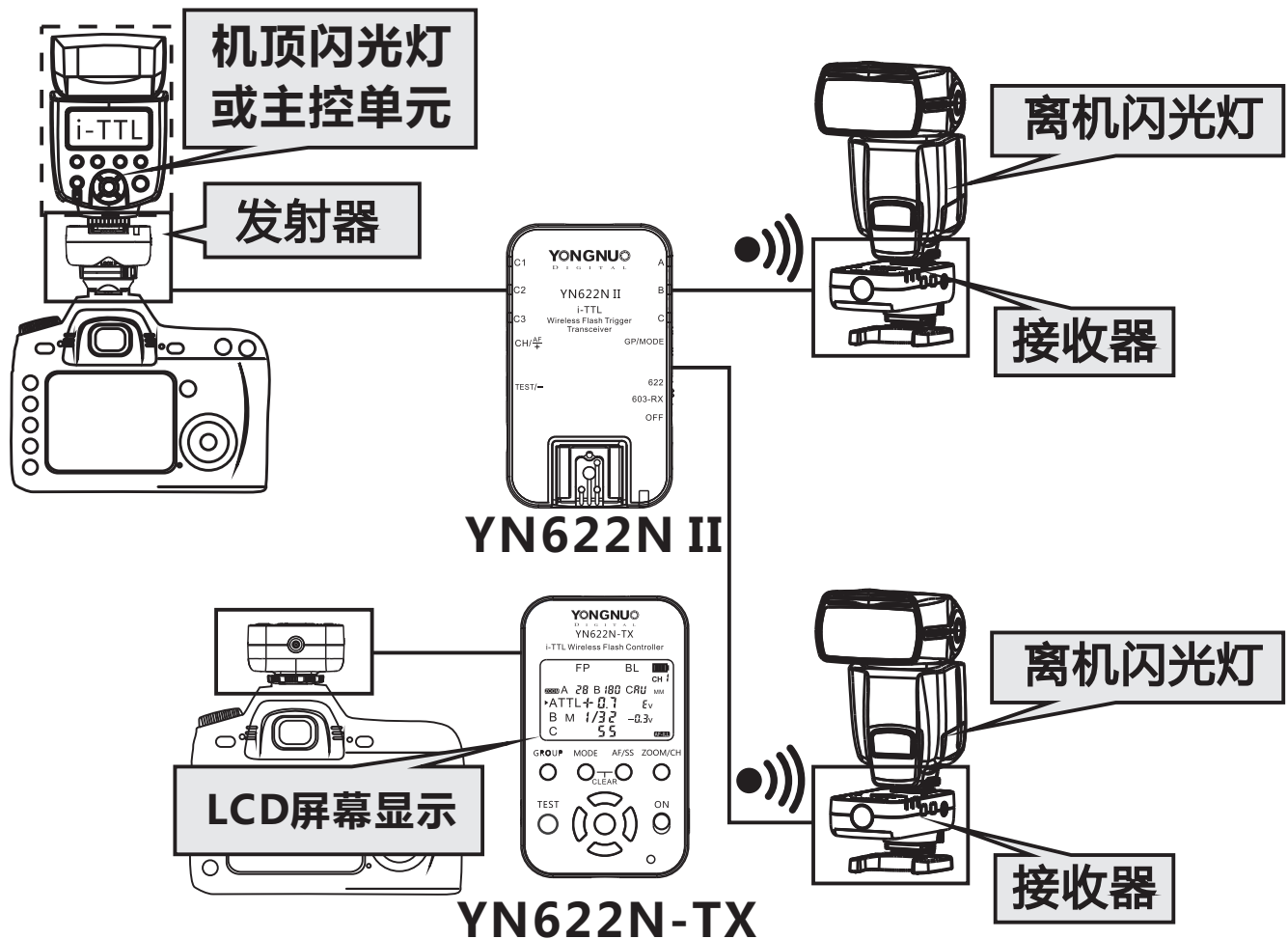
注意事项

- 连接或安装本产品时，请关闭所有设备电源。
- 请保持干燥，勿用湿手接触产品，亦不可将产品浸入水中或暴露雨中，否则可能引起无法正常使用，甚至损坏。
- 请勿在易燃易爆场合中使用，违反此警告可能引起爆炸或火灾。
- 本产品涉及电池，关于电池的使用请严格按照相关规定，否则会引起财产损失或人身伤害。

❖ 使用前请先阅读您的相机与闪光灯的说明书，并通读本使用手册，以确保能正确使用本产品的功能。

通用描述

本产品为无线收发一体设计，自动切换发射、接收状态。为方便表述，本说明书中将安装于相机热靴时将称之为发射器(主控单元)，安装或连接闪光灯时将称之为接收器(从属单元)。



推荐选购YN622N-TX 无线引闪控制器作为发射器使用，有关此产品的介绍，请浏览以下网页：

<http://www.hkyongnuo.com/s-detail.php?ID=339>



产品功能简介

- 首先感谢您选购永诺产品。
 - 全新升级版YN622N II 可通过电源开关设置在622或603-RX通信模式，支持接收YN560-TX/RF605(603模式)/RF603(II)系列产品的引闪信号，拥有多项细节改进，并使用了快速锁定设计，支持USB固件升级。
 - YN622N II i-TTL无线收发器是专为尼康用户设计的一款高性能2.4G无线引闪器，可在360度布置闪光灯，实现不同的拍摄效果。支持i-TTL及手动闪光，支持前帘、后帘、高速同步(自动FP同步)，最高同步速度1/8000s*，可远程更改各组闪光灯曝光补偿或闪光输出，支持混合使用不同的闪光模式，支持发射器安装i-TTL闪光灯，并支持使用发射器上的主控单元设置各分组闪光灯参数，本产品采用收发一体的设计，遥控距离可达100M，支持7个无线频道及A/B/C三个分组，并带有辅助对焦灯功能。
 - YN622N II收发器套装包括2只相同的收发器，支持一台相机同时控制多台闪光灯，可通过额外购买的单只装收发器连接闪光灯，组合成多灯使用，接收器数量不受限制。
- ※ 使用TTL功能需兼容的相机及闪光灯。**
- ※ 部分相机机型最高同步速度为1/4000，使用不支持高速同步的相机与闪光灯，最高同步速度为1/250或更低。**

支持的功能列表

- 快速锁定设计
- 支持USB固件升级
- 支持622通信模式，603-RX通信模式
- 支持的闪光模式：i-TTL，手动
- 快门同步：前帘同步，后帘同步，FP高速同步，支持最高同步速度为1/8000s
- 支持通过收发器远程设置闪光灯参数(远程控制模式)
- 支持i-TTL、手动、重复闪光混合使用（混合控制模式）
- 支持发射器机顶安装闪光灯并支持i-TTL功能
- 支持发射器安装主控单元设置各分组闪光参数（主控模式）
- 支持曝光补偿，闪光值锁定，自动包围曝光功能
- 支持模拟(造型)闪光、防红眼闪光
- 支持闪光灯头变焦(自动)
- 内置辅助对焦灯功能
- 设置自动保存功能
- 兼容永诺全系列闪光灯、尼康闪光灯
- 支持PC接口触发影室灯
- PC接口输出支持前/后帘同步，并支持高速同步（超级同步）
- 支持单触点闪光相机/闪光灯触发（最高同步速度为1/250s）

兼容性列表

本产品所支持的功能取决于使用的相机及闪光灯不同可实现的功能不同。**本说明书为假定使用兼容的相机/闪光灯。最新版本的兼容性列表及本用户手册请访问www.hkyongnuo.com获取。**

兼容的相机列表:

尼康

D70/D70S/D80/D90

D200/D300/D300S/D600系列/D700/D800系列

D3000系列/D5000系列/D7000系列

兼容的i-TTL闪光灯列表:

永诺

YN465/YN467/YN468/YN565/YN568(尼康系列)

尼康

SB-600/SB-700/SB-800/SB-900/SB-910

支持使用主控模式的主控单元列表(第15页):

SB-700/SB-900/SB-910/SU-800

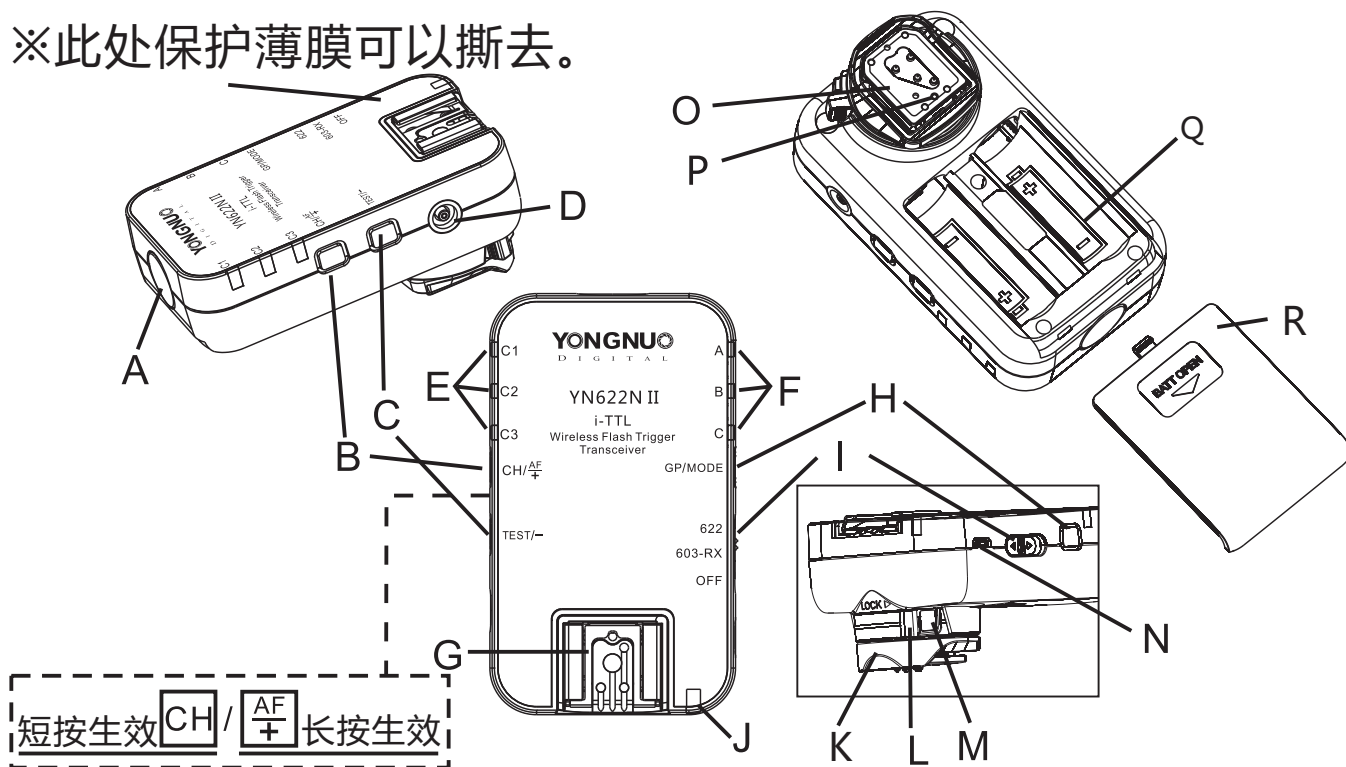
※ 以下功能的使用请参阅相机及闪光灯制造商说明书:

- 闪光值锁定(FV LOCK),自动包围曝光 (BKT)
- 造型闪光
- 防红眼闪光
- **ZOOM灯头变焦(闪光覆盖范围):**支持机顶及离机闪光灯头自动变焦，不使用自动变焦时，请在闪光灯上设置为手动变焦。

各部位名称/指示灯状态说明

通信状态	状态指示灯	频道指示灯	分组指示灯
622待机状态（接收）	红色(622)	熄灭	熄灭
622接收通信中	红色(622)	闪烁	闪烁
622i-TTL闪光模式发射通信中	绿色(622)	闪烁	闪烁
622手动闪光模式发射通信中	橙色(622)	闪烁	闪烁
603-RX待机状态（接收）	橙色(603-RX)	熄灭	熄灭
603-RX模式接收通信中	橙色(603-RX)	闪烁	闪烁

※此处保护薄膜可以撕去。



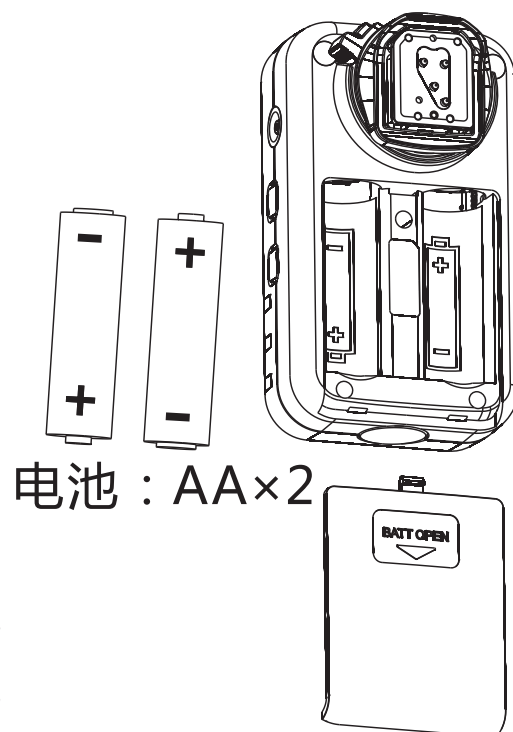
A	辅助对焦灯	G	热靴座	M	锁定释放按钮
B	频道/辅助对焦按钮	H	分组设置按钮	N	USB插座
C	测试按钮	I	电源开关	O	热靴固定脚
D	PC座	J	状态指示灯	P	锁定销
E	频道指示灯	K	防尘防水滴适配器	Q	电池仓
F	分组指示灯	L	固定座锁定杆	R	电池仓盖

使用前准备

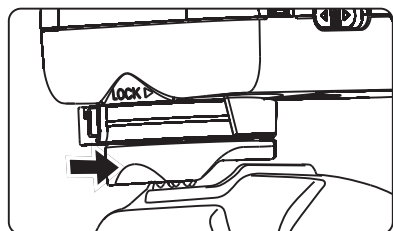
1. 安装电池

打开电池仓，根据电池仓正负极方向安装两节AA电池（不含），可以使用两节1.2V充电电池。电池电量不足时，状态指示灯将会单独闪烁(红色)，此时需更换电池。

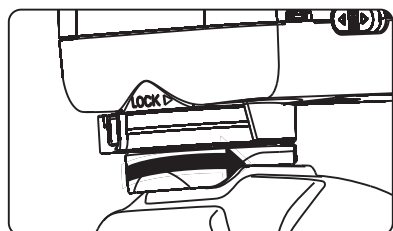
- ※ 长期不使用产品请将电池取出。
- ※ 更换电池时，请两节一起更换。



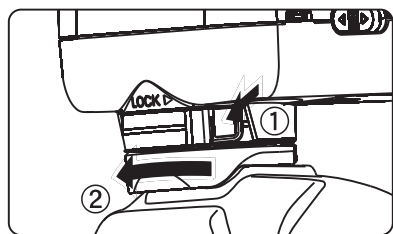
2. 安装/取下发射器



1).将固定座完全滑入相机的热靴插座。



2).将固定座上的锁定杆滑动到右侧，在锁定杆发出咔嚓声的位置，发射器将被锁定。

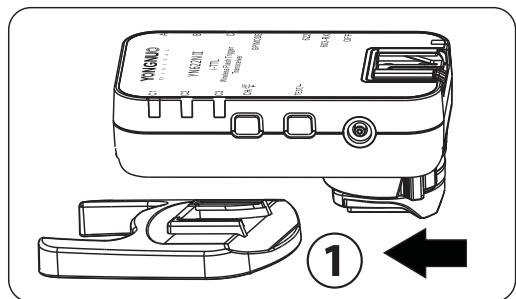


3).按住锁定释放按钮的同时向左滑动锁定杆，取下发射器。

※ 支持在发射器热靴安装闪光灯（机顶闪光灯）

使用前准备

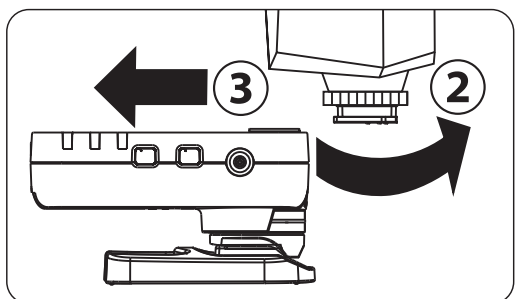
3. 安装闪光灯于收发器热靴(作为接收器)



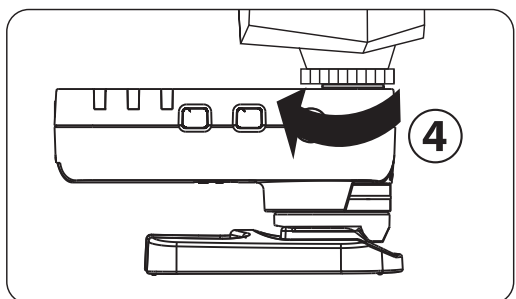
1. 将收发器安装在闪光灯附带的微型支架或其他固定装置(不含)。

2. 松开闪光灯锁定装置。

3. 将闪光灯热靴固定脚完全插入收发器热靴座。



4. 锁紧闪光灯锁定装置。



注意！

收发器热靴只能安装数码单反适用的闪光灯，不能安装高压闪光灯，否则可能损坏收发器。

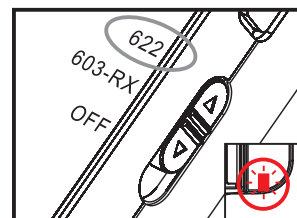
✎ 使用前检查所有设备安装及连接可靠，打开所有设备电源，收发器设置在相同的频道，设定接收器闪光组，拍摄前使用测试按钮唤醒及测试闪光灯是否正常（参考第13页），在闪光灯完全回电后触发闪光灯。

设置

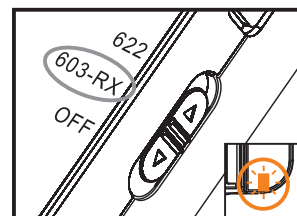
1. 电源开关

• YN622N II产品使用3段式电源开关设计，设置在"622"通信模式，状态指示灯亮红色，设置在"603-RX"通信模式，状态指示灯亮橙色，"OFF"为电源关闭。

• 配合YN622C系列产品使用，请将电源开关设置在“622”位置，自动切换发射、接收状态。有关603-RX模式的使用，请参考说明书第17页。



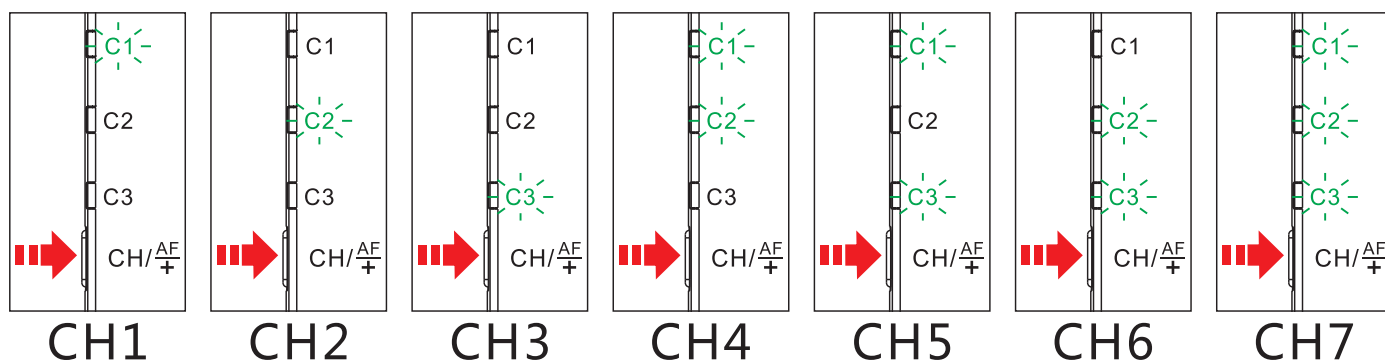
红色指示灯亮
(622模式)



橙色指示灯亮
603-RX模式)

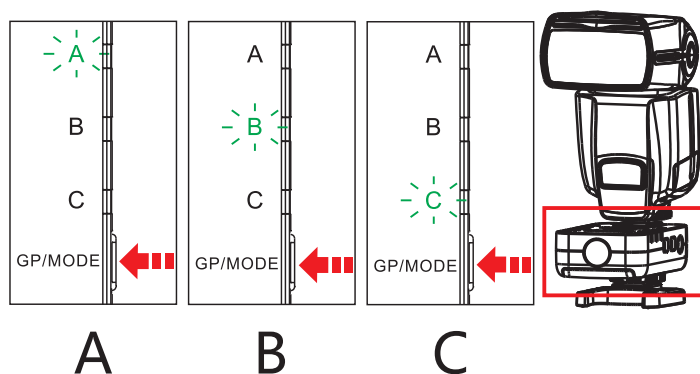
2. 设置频道

待机状态下短按【CH/AF⁺】按钮，频道指示灯常亮数秒显示当前的频道，再短按该按钮切换频道，共有7个频道，将所有要控制的收发器设置在相同的频道。



3. 设置接收器分组

在待机状态短按【GP/MODE】按钮查看当前接收分组，再短按该按钮将在A/B/C 3个分组间切换。

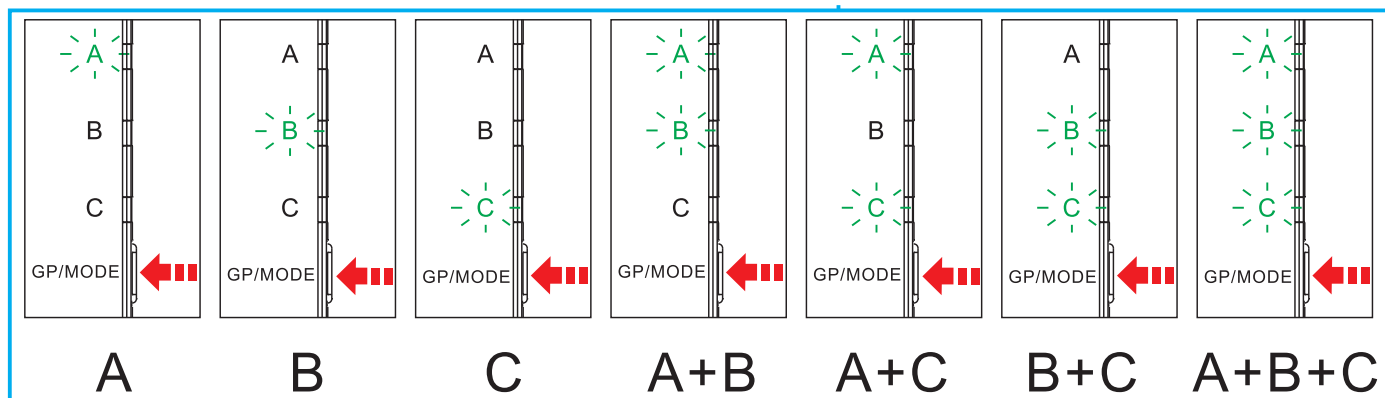
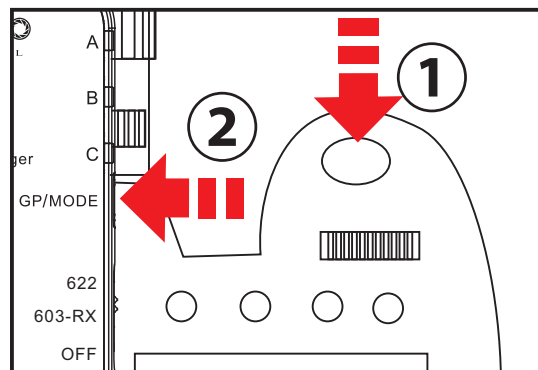


设置

4.设置发射器分组

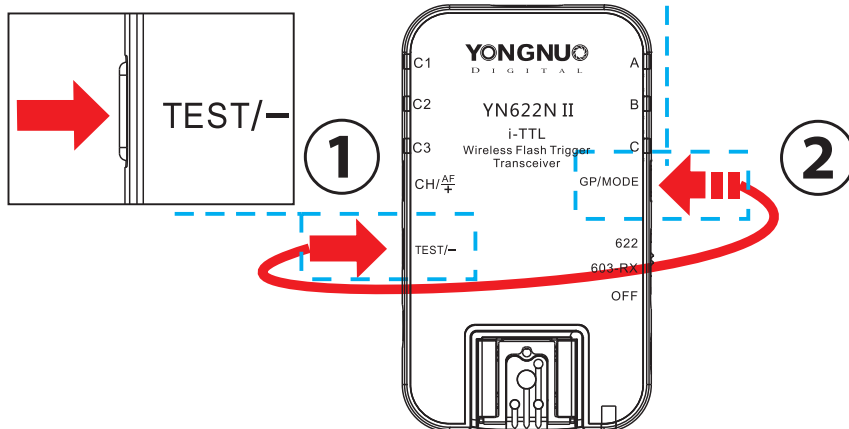
方法一：

- 1.半按相机按钮进入发射状态。
- 2.在发射状态下短按【GP/MODE】按钮，设置发射分组，指示灯显示参与闪光的分组。



方法二：

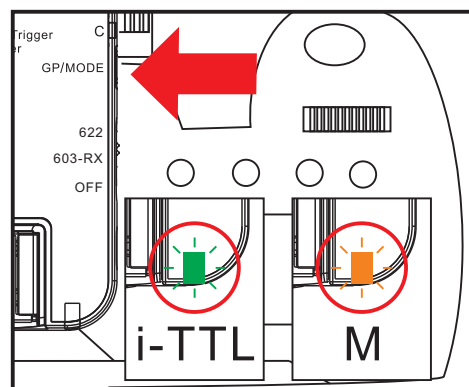
在待机状态下按住【TEST/-】按钮不放，同时短按【GP/MODE】按钮设置。



5.设置发射器闪光模式*

长按【GP/MODE】按钮，直至指示灯在绿色(i-TTL闪光)或橙色(手动闪光)中切换，松开按钮。

***限远程控制模式。**

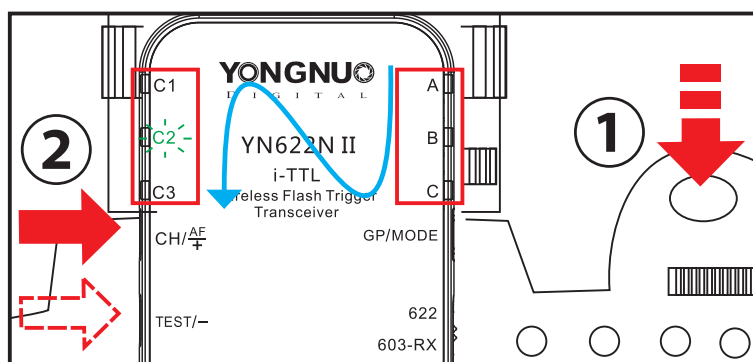


设置

6.在发射器设置各分组闪光参数(远程控制模式)

- 在i-TTL闪光发射模式，增加/减小曝光补偿(FEC)，支持曝光补偿在-3至+3之间以1/3或1档设置。
- 在手动闪光发射模式，增加/减小闪光输出（第11页）。

- 1).半按相机快门按钮进入发射状态。
- 2).进入发射状态时长按【+】或【-】按钮更改各组参数。按住【+】（或【-】）按钮不放，指示灯将在A→B→C→C1→C2→C3→A...依次循环闪烁，当指示灯停留在A/B/C时松开按钮，指示灯将快速闪烁一次，对应分组的曝光补偿（或闪光输出）增加（或减少）1/3档；停留在C1/C2/C3时松开按钮，指示灯将快速闪烁三次，对应分组增加（或减少）1档。



C1对应A组
C2对应B组
C3对应C组

示例：如图，在发射状态下长按【+】按钮，直至C2指示灯亮时松手，将设定B组接收器上的闪光灯曝光补偿（或闪光输出）增加1档。

※在i-TTL模式下, 支持直接在闪光灯上设置曝光补偿，补偿值将与发射器设置的补偿值叠加。

设置

闪光灯手动输出控制（远程控制模式）

• YN622N II提供了通用的手动控制闪光灯输出功率方式。对于相同的YN622N II手动闪光输出值，即使使用不同指数的闪光灯，其输出功率都是一样的（在不超出闪光灯工作范围的情况下）。

YN622N II的M档闪光输出值最小为1，闪光输出最大值根据不同指数的闪光灯而不同，默认值为8，增加1/3档为10.4，增加1档为16，以此类推。输出值之间成正比关系，当输出值A是B的一倍时，前者的输出功率是后者的一倍，参考下表。

1.0	1.3	1.7	2.0	2.6	3.4	4.0	5.2	6.8	8.0	10.4	13.6
16	20.8	27.2	32	41.6	54.4	64	83.2	108.8	128		

当YN622N II作为发射器上接主控闪光灯时(见第15页)，主控闪光灯的M输出值与YN622N II M输出值换算如下：

主控单元	1/128	+0.3	+0.7	1/64	+0.3	+0.7	1/32	+0.3	+0.7	1/16	+0.3	+0.7
YN622N II	1.0	1.3	1.7	2.0	2.6	3.4	4.0	5.2	6.8	8.0	10.4	13.6
主控单元	1/8	+0.3	+0.7	1/4	+0.3	+0.7	1/2	+0.3	+0.7	1/1		
YN622N II	16	20.8	27.2	32	41.6	54.4	64	83.2	108.8	128		

※在发射器远程设置闪光模式及参数时，接收器上的闪光灯屏幕将不会变化。

※重新开启发射器电源可恢复默认的曝光补偿或手动闪光输出设置。（i-TTL补偿=0/手动闪光输出=8）

※当设置的参数到达最大或最小时，对应指示灯将不闪烁。

设置

7.闪光快门同步

关于闪光快门同步的设置请参考相机说明书，并在相机上进行设置。支持前帘同步、后帘同步、高速同步*。

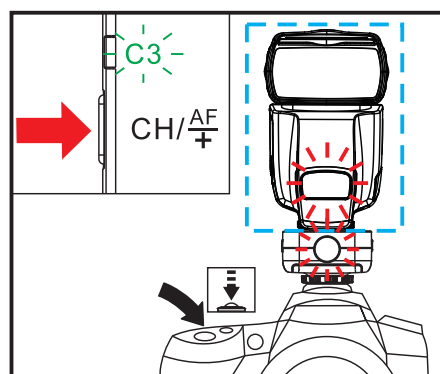
***使用高速同步需设置相机闪光同步速度为自动FP。**

***最高同步速度为1/8000s或1/4000s（取决于相机）。**

***部分相机机型不支持高速同步(无自动FP选项)，使用该类相机时，快门速度会被限制在1/250s或更低。**

8.辅助对焦灯

当光线不足以自动对焦时会启动辅助对焦灯功能，发射器及发射器上的闪光灯辅助对焦灯会同时点亮以辅助镜头更容易对焦。



启用/禁用辅助对焦灯功能

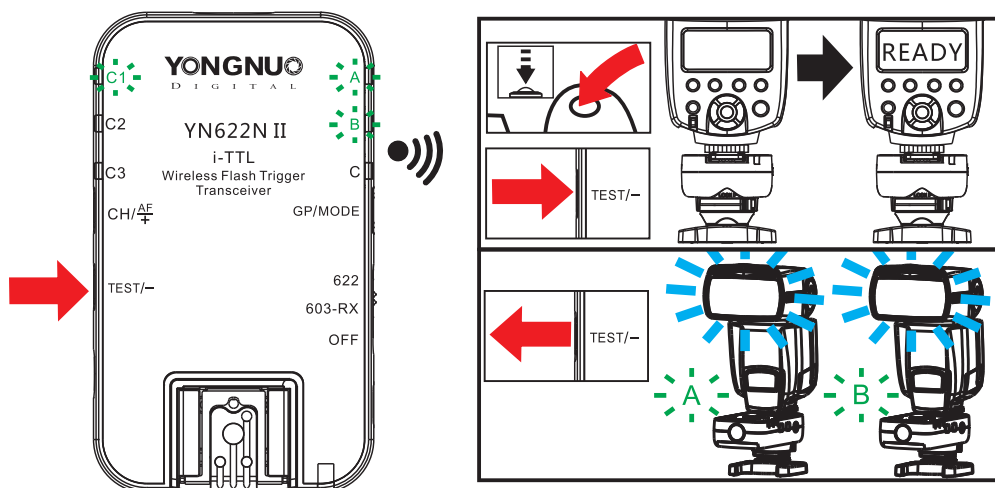
操作 \ 状态	频道指示灯	辅助对焦灯
长按【CH/AF】按钮	亮	已开启
3秒内松开	灭	已禁用
长按【CH/AF】按钮 3秒以上松开	闪烁三次	开启/禁用

※需相机使用单次AF模式。

※接收器及安装在接收器上的闪光灯辅助对焦灯在相机自动对焦时均不会点亮。

闪光灯唤醒、测试引闪

- 半按相机快门按钮时，热靴闪光灯将被唤醒。
- 待机状态下，按住收发器【TEST/-】按钮将唤醒闪光灯，松开按钮时，所选分组及装在该收发器上的闪光灯将被测试闪光一次。
- 在发射状态下，短按测试按钮测试闪光一次。
- 示例:下图中，发射器设置了A+B两组闪光灯，按下【TEST/-】按钮接收器A与B上的闪光灯将被唤醒，松开按钮时，闪光灯将测试闪光一次。



- ※ 若闪光灯不能被唤醒，需在拍摄前手动唤醒该闪光灯。
- ※ 使用PC接口连接闪光灯将不支持唤醒功能。
- ※ 触发闪光的瞬间，所有指示灯将熄灭。

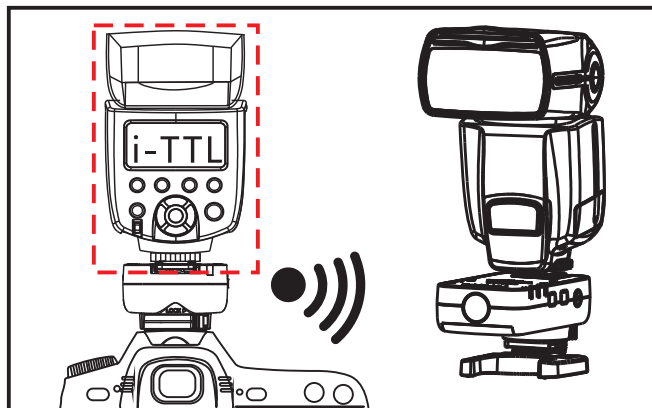
5. 单触点相机、闪光灯：手动设置闪光输出

1).发射分组设置：

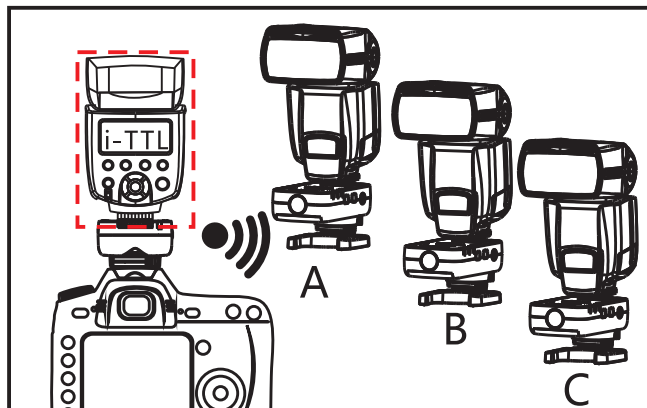
依据发射器分组设置方法2（第9页）。

2).闪光模式设置：

通过闪光灯控制面板设置在手动闪光(M)模式，手动更改闪光输出，使用发射器主闪光触点触发，不支持高速同步或其他TTL功能(最高同步速度为1/250s或更低)。



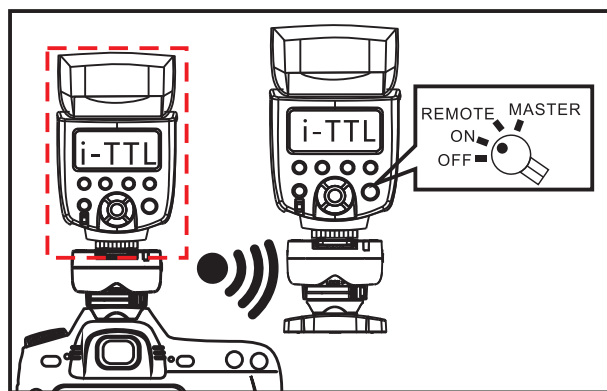
双收发器套装应用
使用1离机闪光灯，或
1离机闪光灯+1机顶闪光灯。



通过额外购买的收发器
组成多分组应用。

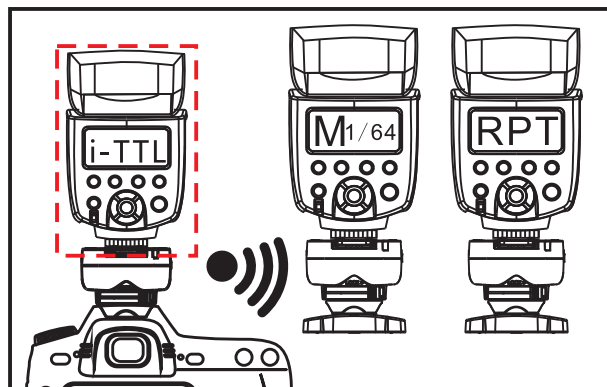
1.远程控制模式:

- 将接收器上的闪光灯设置在i-TTL闪光模式，该闪光灯将根据发射器设置的闪光模式及参数闪光，支持 i-TTL/手动闪光。(9-11页)



2.混合模式控制

- 支持使用机顶及接收器上的闪光灯在不同的闪光模式下同时闪光。包括i-TTL, 手动闪光，重复闪光模式。



- 将接收器上的闪光灯模式设置在手动闪光或重复闪光模式，该闪光灯将根据其显示的模式及参数闪光，若设置在i-TTL闪光模式，将根据发射器的设置闪光（同远程控制模式），有关机顶闪光灯的使用，见第15页。

3.主控模式及机顶闪光灯

1.开启机顶闪光灯的电源顺序：

- 先开启闪光灯电源，后开启发射器电源。

2.机顶闪光灯使用非主控模式：

- 闪光模式，曝光补偿（闪光功率），焦距等参数直接在机顶闪光灯上设置，不受发射器设置影响。支持i-TTL, 手动闪光，重复闪光模式。

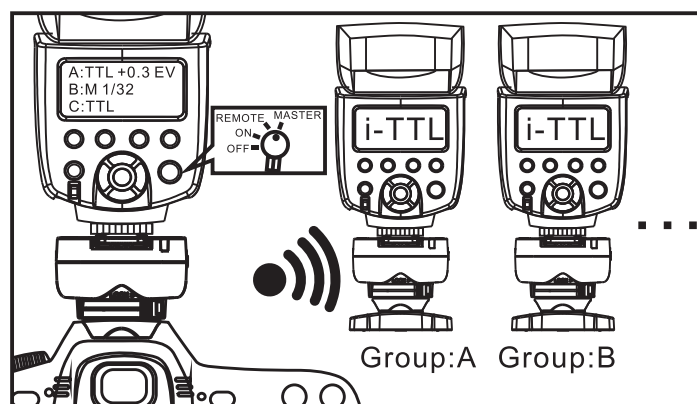
3.机顶闪光灯使用主控模式：

- 使用支持主控功能的机顶主控闪光灯或主控单元设置各分组闪光模式及参数, 支持i-TTL, 手动闪光。

1.开启主控单元并设置为

MASTER（指令模式），再打开发射器电源。

2.设置好接收器分组，打开闪光灯电源（不设置在遥控模式）并设置闪光灯在i-TTL闪光模式。

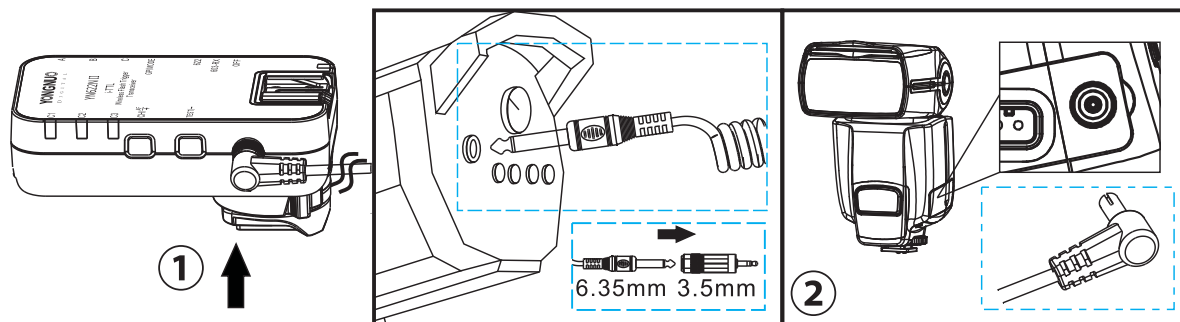


3.在主控单元上设置各参与闪光分组的模式及参数（参阅制造商提供的说明书），将根据YN622N II收发器的频道通信，支持i-TTL，手动闪光。

4.使用发射器测试按钮测试闪光并拍摄相片，闪光灯闪光。

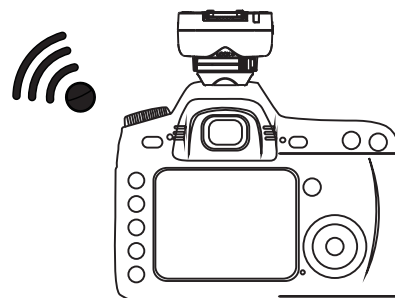
※安装于发射器机顶的主控单元将不会发射红外指令。

PC接口触发（支持超级同步*）



注意！

请勿使用超过300V触发电压的闪光灯连接PC接口，否则可能损坏收发器。



• 需根据不同接口的闪光灯选购PC闪光灯同步线。

1. 使用PC同步线带螺母一端连接接收器。
2. 连接线另一端连接影室灯或其他支持PC接口的闪光灯。
3. 设置相机快门同步为前帘、后帘同步。
4. 调整拍摄参数并拍摄照片。

*** 超级同步-使用非高速同步闪光灯实现更高的同步速度，本功能更适合闪光持续时间较长的影楼灯。(限PC接口输出)**

1. 接收器通过PC接口连接闪光灯，闪光灯可能需要设置在手动全功率闪光输出（1/1）。
2. 设置相机在手动曝光或快门优先模式，把快门同步设置为高速同步，快门同步速度最高可设置在1/8000s，拍摄并检查照片是否同步，可能会看到光线的层次变化，效果将根据相机及闪光灯不同会有所不同。

※ PC接口只作为输出。

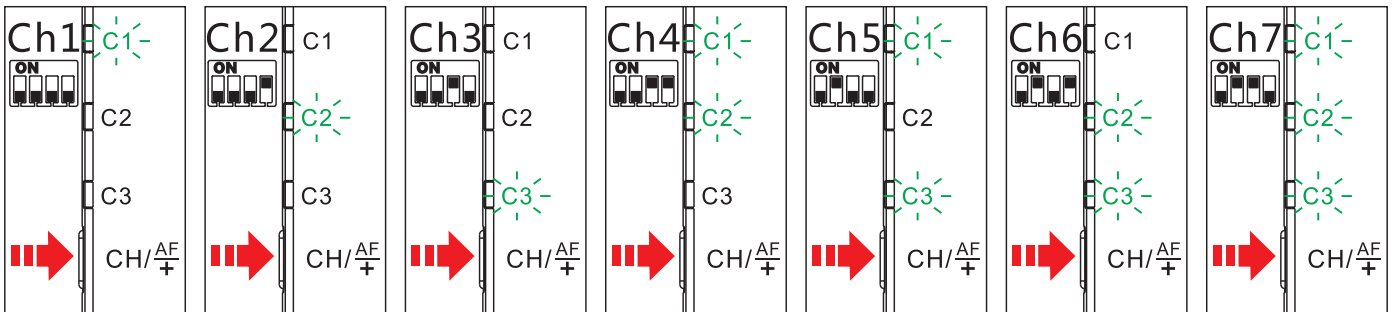
※ 可同时使用热靴座上的闪光灯和与PC接口连接的闪光灯。

※ 使用C型相机，PC同步速度最高为1/250s或更低。

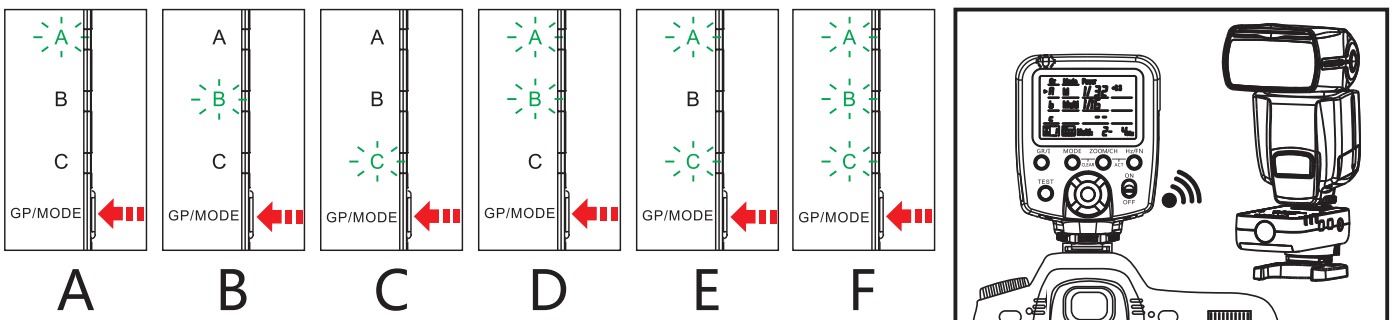
参考-关于603-RX

YN622N II支持接收YN560-TX/RF605(RF603 通信模式)RF603(II)的引闪信号。

- 1.通过电源开关设置在603-RX模式
- 2.设置与发射器相同的频道（短按【CH/AF $\frac{AF}{+}$ 】按钮）



- 3.设置接收分组（短按【GP/MODE】按钮）



- 4.设置接收器上的闪光灯为手动"M"模式，调整闪光灯输出，拍摄并引闪闪光灯。

- 分组功能对应YN560-TX/RF605。
- 建议仅在使用YN560-TX/RF603/RF605作为发射器，YN622N II作为接收器时将电源开关设置在"603-RX"，如在此通信模式作为发射器使用，将以"622"通信模式发射。

固件升级

1. 登录永诺官网:

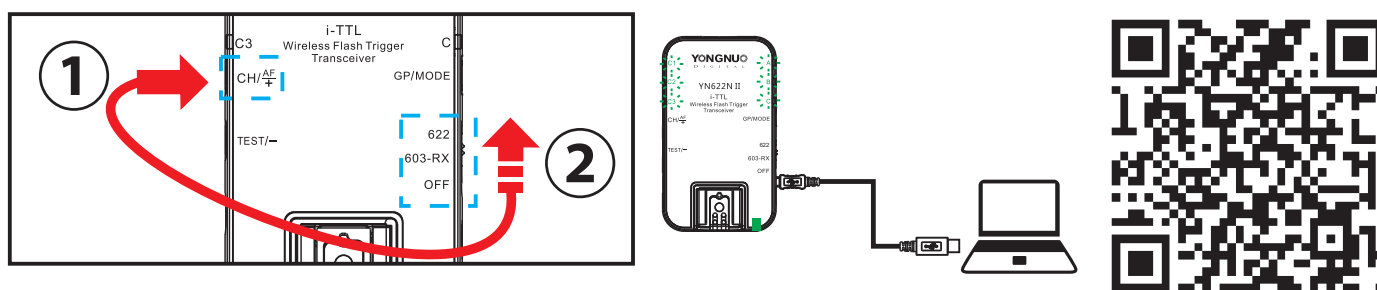
<http://www.hkyongnuo.com/s-detail.php?ID=363>

下载升级程序及最新固件。

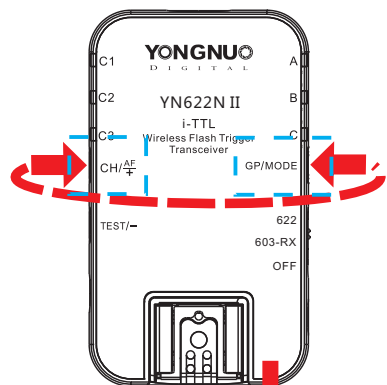
2. 关闭产品电源，使用Micro-USB连接线(不含)与电脑连接。

3. 按住【CH/ $\frac{AF}{+}$ 】按钮的同时开机，所有指示灯将以绿色点亮，进入固件升级界面。

4. 按软件上的提示完成固件升级操作。



恢复出厂设置



1.) 同时按住【CH/ $\frac{AF}{+}$ 】 + 【GP/MODE】按钮不放。

2.) 指示灯将从A→B→C→C1→C2→C3→状态指示红灯依次点亮。

3.) 松开所有按钮即恢复出厂设置。

故障排除

1.无法开机或自动关机：

- 电池装反或电池耗尽；电池即将耗尽时会自动断电，防止电池过放电。

▲ 按照电池仓指示标志的正确方向安装（更换）电池，并确保电池有电，重新开启电源。(参考第6页)

2.闪光灯不闪光：

- 确保所有设备电池电量充足，收发器与相机及闪光灯之间的安装连接可靠，观察指示灯是否设置在相同的频道及可控制的分组，闪光灯回电过程、进入过热保护状态、正在调整焦距或闪光灯休眠可能导致漏闪，确保闪光灯在就绪的状态，在使用前用测试按键唤醒及测试闪光灯。
- 检查接收器电源开关是否设置为正确的通信模式。比如接收器设置了603-RX，将无法接收622的信号。

3. i-TTL闪光曝光过度或曝光不足

检查是否在相机机身或闪光灯上设置了曝光补偿；超出闪光有效距离可能会曝光不足；TTL与手动闪光模式混合使用时可能会过曝，此时手动灯适合作为背景灯使用。

- **在使用过程中遇到其他故障，建议进行以下步骤解决：**

- 1).重启所有设备。
- 2).给收发器更换电池。
- 3).恢复收发器出厂设置。
- 4).恢复相机/闪光灯出厂设置。

规格

系统模式：数字FSK 2.4GHz无线收发器

距离：100M

无线通道：7个

闪光模式：i-TTL、手动闪光

同步模式：前帘、后帘、高速同步

分组控制：A/B/C 3个组别 (622);A/B/C/D/E/F6个组别(603-RX)

最高同步速度：1/8000s*

兼容闪光灯：热靴闪光灯、影室闪光灯

输入：热靴(TTL触发，主触点触发)

输出：热靴(TTL输出)，PC接口输出

固件升级接口:Micro USB接口

适用电池：AAX2节（支持1.2V充电电池）

待机时间：60小时

体积：91.5X53.5X43mm

重量：89克

* 有关最高同步速度

使用高速同步需相机及闪光灯支持，1/8000s或1/4000s为相机支持的最高同步速度。使用不支持高速同步的热靴闪光灯，最高同步速度为1/250s或1/200s，部分相机与闪光灯的组合同步速度可能更低。

※ 所有规格参数是基于本公司的测试，本手册提到的所有注册商标均归其所有者拥有，设计规格或本用户手册如有变更，恕不另行通知。最新版本的说明书及升级固件请访问www.hkyongnuo.com下载。



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 _____

V1.1