

Product overview

The QPro-S trigger is designed for NEEWER speedlites to be compatible with Sony cameras, when used in conjunction with speedlite flashes equipped with the NEEWER Q wireless system. The QPro-S trigger features multi-channel control, stable signal transmission, quick response, and a compact design. It is aimed at photographers seeking flexible flash lighting control and adapts well to various shooting conditions. Compatible with Sony cameras with a hotshoe, it can also be connected to cameras which have a PC port. Supports TTL flash and high speed sync (HSS).

Package contents

QPro-S flash trigger ×1
Manual ×1

Product diagram

Flash Trigger Front

Group buttons
Press to select
Double-press to expand

Back button
(Back to previous)

Dial
Turn clockwise for +
Counterclockwise for -

Function buttons
Short-press the menu button
Test button
Short-press to switch modes
Long-press for 3 seconds to lock

101

Product diagram

USB Type-C firmware upgrade port

2.5mm sync jack

Autofocus-assist beam

Hot shoe

Hot shoe quick lock

Battery compartment (back)

Autofocus-assist beam switch

Power switch

LCD Display

EN

02

Product diagram

Multiple Group Display

Single Group Display

EN

03

Set-Up

Battery Installation

Slide open the battery compartment cover on the back of the flash trigger and insert 2 AA batteries (sold separately), ensuring that the positive and negative polarity markings are respected.

Battery Level

Remaining battery level indicator shown on LCD display during use.

LCD screen battery indicator	Indicates
4 bars	Full battery
2 bars	50% battery
1 bar	25% battery
Empty	Low battery. Please replace the batteries.
Flashing	The battery power is about to run out. It is recommended to replace the batteries now to avoid misfires or the trigger not working over a larger transmission distance due to insufficient power.

EN

04

Set-Up

① Turn the hot shoe quick release lock clockwise to the unlocked position as shown in the figure.

② Slide the trigger's base into your camera hot shoe as shown in the figure.

EN

05

How to Use the Trigger

- Wirelessly trigger an on-camera speedlite flash**
There follows an example demonstrating the use of the NEEWER Z1 flash with the trigger:
 - 1 Turn off your camera first, then insert the trigger into your camera's hotshoe, turn on the trigger and then your camera.
 - 2 Long press the <Zm/CH> button of the trigger to set channel, group, mode and apply other settings (please check the "Trigger Settings" part of this manual for detailed instructions).
 - 3 Turn on the Z1 flash, press wireless setting button until the display shows wireless symbol and the slave unit icon <SLAVE>, then press the channel setting button <CH> to set the flash on the same channel with the trigger. Next press the group setting button <Gr> to set flash on the same group as that of the trigger. (Note: the connection to other models of speedlite flash may differ. Please check their manuals for reference.)
 - 4 Press your camera shutter to trigger the Z1 flash, and the trigger's "Status Indicator" will flash red.
- Wireless sync of external flash**
How to use: Using the Q3 as an example.
 - 2.1 Turn off the camera, place the flash trigger on the camera hot shoe mount and turn on both the flash trigger power switch and the camera.
(Note: For other models of external flash settings, please follow the corresponding external flash instruction manual.)
 - 2.2 Press and hold the <Gr/CH> button to set the channel, group, mode and apply settings (see Setting the flash unit for details).

EN

06

How to Use the Trigger

※When the <CH> channel setting and the <ID> setting are the same for both the external flash and the QPRO-S, the QPRO-S can control the external flash.

2.3 Turn on the flash, press and hold the <SL/S2> Wireless setting button so that the <W> Wireless icon appears on the screen. Press the <Gr/CH> group channel setting button to set the same channel as the flash trigger. Short press the <Gr/CH> group setting button to set the same group as the flash trigger.

2.4 Press the camera shutter to activate the flash. The "status indicator" of the flash unit will flash red.

- Wirelessly trigger a Sony on-camera Speedlite flash**
There follows an illustration to show how to connect an HVL-F45RM flash with the trigger:
 - 3.1 Turn off your camera first, then insert the QPro-S trigger into your camera's hotshoe. Turn on the trigger and then your camera.
 - 3.2 Long press the <Zm/CH> button of the QPro-S trigger to set channel, press <MENU> and choose <ID> to set wireless ID of the trigger.
 - 3.3 Connect the Sony flash to a Q-S receiver, long press the <TX/RX> button to enter RX mode, then long press the <Zm/CH> button on the receiver to set it on the same channel as the QPro-S trigger. Next, press its <MENU> button and choose <ID> to match the trigger's wireless ID.
 - 3.4 Turn on the Sony flash and set it to on-camera flash mode (Note: please refer to the manual of your Sony flash about this setting).
 - 3.5 Press your camera shutter to trigger the Sony flash. The trigger's "Status Indicator" will flash red.

EN

07

How to Use the Trigger

- Wirelessly trigger a studio strobe**
Using a NEEWER S101-300 Pro strobe to demonstrate how to connect:
 - 4.1 Turn off your camera first, then insert the trigger into your camera's hotshoe. Turn on the trigger and then your camera.
 - 4.2 Long press the <Zm/CH> button of the trigger to set channel, group, mode and apply other settings (please check the "Trigger Settings" part of this manual for detailed instructions).
 - 4.3 Connect the strobe to a power source and turn it on. Press both the <Gr/CH> button and the <S1/S2> button until the screen displays a wireless icon. Long press the <Gr/CH> button to make the strobe channel match the trigger channel. Then, short press the <Gr/CH> button to make sure the trigger and strobe groups correspond.
(Note: the connection method for other strobe models may differ. Please check their manuals for reference.)
 - 4.4 Press your camera shutter to trigger the strobe. The strobe and trigger's "Indicator Status" will flash red.
- Wirelessly triggered camera shutter**
How to connect:

Two QPro-S triggers are required for connection: one connects to your camera as a receiver and the other as a transmitter.

 - 5.1 Turn off your camera first, then connect one end of a shutter release cable to the camera's shutter port and the other end of the cable into the QPro-S receiver's "2.5mm Sync Port". Not turn on the camera followed by the receiver.
 - 5.2 Press the receiver's <MENU> button, then rotate the dial to select <SYNC> and set it to "OUT".

EN

08

How to Use the Trigger

5.3 Set the Qpro-S transmitter and the receiver on the same channel and under the same wireless ID. Long press <Zm/CH> button to change channel. Short press <MENU> and choose <ID> to set wireless ID. (To set mode and other settings, please check the "Trigger Settings" part of this manual for more detailed instructions).

5.4 Half press the transmitter's trigger button <▶> which will make the indicator turn green to focus. Fully press the trigger button <▶> and the indicator turns red, then release the button to release the camera shutter to shoot.

- Connection with a 2.5mm sync cable**
How to use:
 - 6.1 Connect one end of the 2.5mm Sync cable to a speedlite flash's sync port, and other end to a Q-S receiver's sync port.
 - 6.2 Long press the <TX/RX> button on the Q-S receiver and enter RX mode. Short press the Q-S receiver's <MENU> and select <SYNC>, then set it to "OUT".
 - 6.3 Set the Qpro-S transmitter and the Q-S receiver on the same channel and to the same wireless ID. Long press <Zm/CH> button to change channel, short press <MENU> and choose <ID> to set wireless ID. (To set mode and other parameters, please check the "Trigger Settings" part of this manual for more detailed instructions).
 - 6.4 Trigger the flash with the Qpro-S transmitter.

EN

09

Trigger Settings

- Auto Sleep Mode**
 1. If no operation is performed within 90 seconds, the trigger will automatically enter standby mode and the LCD display will go dark.
 2. Press the <▶> button to activate the trigger system. When mounted on a Sony camera hotshoe, you can also half press camera shutter to activate.
NOTE: to deactivate the auto sleep function, simply press <MENU> to access custom menu setting page, select <STBY> and set it to OFF.
- Auto Focus (AF) Beam**
 1. Place the AF Beam switch in the 'ON' position to emit Auto Focus beam.
 - When your camera can't focus, the AF beam will automatically light up. Once the camera re-focuses, the AF beam will automatically go off.

※ When not connected with a camera, the Qpro-S's focus beam will not light up.

 1. When connected to Sony mirrorless cameras (such as ILCE6000L, a7RII), the Qpro-S's focus beam will not light up.
 2. The auto focus beam of Qpro-S will light up only when connected to Sony DSLR cameras (such as a99, a7RII).
- Channel Setting**
 1. Long press the <Zm/CH> button to enter channel setting page.
 2. Rotate the dial to select a channel number. Short press the <Zm/CH> button to confirm the channel selected.

※ The trigger has 32 channels to choose from. Please be sure to set the trigger transmitter and receiver on the same channel before firing flashes.

EN

10

Trigger Settings

- Wireless ID Setting**
In addition to pairing transmission channels, it is also possible to match the wireless ID to avoid signal interference. A master unit and a slave unit have to be on the same channel and set to the same wireless ID to trigger. Press <MENU> button to enter C.Fn ID sub-menu. Rotate the dial to select the <ID> menu. Then short press <SET> button to make it editable. Finally, rotate the dial to choose a wireless ID value and press button to confirm.
- Mode Setting**
 1. Short press the <MODE> button to switch between different modes.
 2. When the trigger is set as 5 groups (A-E):
 - 2.1 When multiple groups are set, you can switch on Multi Flash for each group. Enter a group, select Multi, choose "ON" or "-" to switch on/off.
 - 2.2 For multiple group display, press the group selection button or press the <MODE> button for single group mode, the mode of group A B C can be switched sequentially in TTL/M/- mode and group D E only in M/- mode.
 - 2.3 Long press the <MODE> button for 2 seconds until the word "LOCKED" shows on the bottom part of the display. The icon indicates that the trigger is locked and no settings can be changed at this stage. Long press the <MODE> button for 2 seconds to unlock.

EN

11

Trigger Settings

- Group Highlighting**
Highlight multiple groups or one single group: in multiple group setting, choose a group and press its group letter twice to highlight this group and change settings for this single group.
※ Press the Back button to exit group highlighting page.
- Set Flash Output**
 1. When multiple groups are set and in M mode:
 - 1.1 Choose one group by pressing its group letter. Then, rotate the dial to change flash output for this group from Min. to 1/1 in increments of 0.1 or 0.3. Press the <▶> button to confirm the output value and exit.
 - 1.2 Press the <ALL> button to select all groups and make their power output values editable, then rotate the dial to change their output from Min. to 1/1 in increments of 0.1 or 0.3. Press the <ALL> button again to confirm the setting.
 2. When one single group is highlighted and in M mode, rotate the dial directly to change the group output from Min. to 1/1 in increments of 0.1 or 0.3. Press the <ALL> button again to confirm the setting.

NOTE: "Min." refers to the minimum output level that is available in M or Multi mode, 1/128(0.3) or 1/256(0.1) respectively based on the setting of C.Fn STEP. On most on-camera speedlite flashes, the minimum output available is 1/128 or 1/128(0.3), not 1/256 or 1/256(0.1).

- Flash Exposure Compensation Setting**
 1. When multiple groups are set and in TTL mode:
 - 1.1 Choose one group by pressing its group letter. Then rotate the dial to adjust its flash exposure compensation (FEC) level from -3 to 3 in the increment of 0.3. Press the <▶> button to confirm the value and exit.

EN

12

Trigger Settings

1.2 Press the <ALL> button to select all groups and make their FEC values editable, rotate the dial to adjust the FEC level from -3 to 3 in the increment of 0.3. Press <ALL> again to confirm the setting.

2. When one single group is highlighted and in TTL mode, rotate the dial directly to change the group FEC value from -3 to 3 in increments of 0.3.

The flash output is the sum of two FEC values. (For example, the FEC value of Qpro-S is -2, and the FEC value of the speedlite is +3, then the total flash output is +1.)

- Multi Flash Setting (Flash Output, Flash Times, and Flash Frequency)**
 1. When in Multi Flash mode, the screen will not display the TTL or M icon.
 2. The three values underneath "Multi" on the display refer to flash output, flash times (Times), and flash frequency (Hz) respectively.
 3. Rotate the dial to adjust flash output from Min. to 1/4.
 4. Short press the Times button to highlight flash times. Rotate the dial to change its value.
 5. Short press the Hz button to highlight flash frequency. Rotate the dial to adjust frequency number.
 6. After choosing the required settings, short press the <▶> button to exit. Then no item will flash on the display.
 7. In the Multi-flash sub-menu, when no item is flashing, short press the <▶> button to return to main menu.

NOTE: The flash times are subject to both flash output and flash frequency. Flash times you set cannot exceed the maximum value allowed. The flashes transmitted to the receiver are actual flash times and depend also on camera shutter settings.

EN

13

Trigger Settings

- Modelling Lamp Setting**
 1. When multiple groups are set, press the <MOD> button to turn the modelling lamp on or off for all groups of strobes.
 2. When only one group is set, or select one group from within the multiple groups setting by pressing its group letter, press the <MOD> button to turn the modelling lamp on or off for this group of strobes.
 3. Short press a group letter to highlight this group to change its strobe settings; short press the <MOD> button to adjust modelling lamp brightness of this group of strobes.

(NOTE: The strobe models that support the turning on/off of the modelling lamp in one single group include the Z1, S101 PRO, X2 series, the Q4 PRO and Q3 flash strobe. The future NEEWER flash strobes that feature a modelling lamp will all support this function.)
- Zoom Setting**
Short press the <Zm/CH> button until the display shows the Zoom value. Select a particular group, then rotate the dial to change its Zoom value from AUTO, 24 to 200. After setting the value required, press the <▶> button to return to menu page.

NOTE: the flash ZOOM can only be adjusted in Auto(A) mode.

EN

14

Trigger Settings

- High-Speed Sync Settings**
 1. High-speed sync: press the <SYNC> button. The symbol <HSS> will display on the LCD panel.
Set the shutter speed to 1/320s (auto FP) or 1/250s (auto FP) in the Sony camera settings. Turn the camera dial to adjust the shutter speed which can be set to or more than 1/250s. The shutter speed can be checked through the camera viewfinder which will confirm whether the FP high-speed function is in use. If the shutter speed is set at or is higher than 1/250s, it means the high-speed sync function is active.
 2. Second Curtain Sync: To synchronise the rear curtain shutter, press and hold <▶> on your Sony camera. Turn the main control dial until the rear curtain flash mode appears <2> in the control panel, then set the camera shutter.
- Audible Alert Setting**
Press the <MENU> button to enter C.Fn BEEP page, rotate the dial to choose <BEEP>, then press the <SET> button. You can now rotate the dial to choose "ON" or "OFF" to activate / deactivate this audible alert. Press the <▶> button to return to menu page.

NOTE: In order to use the High Speed Sync (HSS) function on our flash, please ensure the Wireless Flash Mode is activated in your camera settings.

EN

15

Trigger Settings

- Sync Port Setting**
 1. Press the <MENU> button to enter C.Fn SYNC page, rotate the dial to choose <SYNC>, then, press the <SET> button. You can now rotate the dial to choose "IN" or "OUT". Short press the <MENU> button to return to the menu page.
 - 1.1 Choose "IN" to transmit signal to trigger camera shutter or to trigger speedlite flashes via PC sync.
 - 1.2 Choose "OUT" to transmit signals to trigger camera shutter or to trigger speedlite flashes via PC sync.
- Shoot Settings**
Press the <MENU> button to activate C.Fn SHOOT. Press the <SET> button to switch between <ON> or <OFF>. Press <MENU> again to return to menu page.

ON: the single contact point mode is activated. In M and Multi flash mode, the master flash will only transmit trigger signals to slave flash.

OFF: the single contact point mode is deactivated. When camera shutter is released, the master flash will transmit trigger signals and flash settings to slave flash.
- Restore Factory Settings**
On the menu page, long press the "SYNC" button and the "ALL" button at the same time until the display shows "RESET" to indicate that the trigger has been restored to factory settings.

EN

16

Trigger Settings

- C.Fn Set Custom Functions**
The following custom functions of this product are categorised below. Please check the table to change the settings as required.

Custom functions	Functions	Settings	Settings and meanings
STBY	Sleep	ON/OFF	Enable/Disable
BEEP	Buzzer	ON/OFF	Enable/disable
LIGHT	Backlight duration	12sec ON/OFF	Turn off automatically after 12 seconds Always on/always off
SYNC	Sync jack	IN OUT	Set the QPro-S to trigger flash Output triggering signal or control shutter signal
LCD	LCD contrast ratio	-3 ~ +3	Selectable value of contrast ratio
SHOOT	Single-point triggering mode	ON OFF	Single-point triggering mode on Single-point triggering mode off
DIST	Triggering distance	0-30M 1-100M	0-30m triggering 1-100m triggering
ID	Wireless ID	OFF 01-99	Close Any number from 1 to 99 can be selected
STEP	Flash power output	1/128 (0.3) 1/256 (0.1)	Minimum output is 1/128 (with a step increment of 0.3) The minimum output is 1/256 (with a step increment of 0.1)

※When the single-point triggering mode ("SHOOT") is turned on, the product can only send flash triggering signals which will disable other functions.

EN

17

Compatible models

1. Compatible flash models
Compatible with NEEWER 2.4G flashes with built-in Q wireless control system, including NW420-S, Z1-S, S101-300W Pro, S101-400W Pro, Q3, NW655-S, Q-S (off camera trigger), and later flash models with built-in Q wireless control.
- ※ Supported functions: all functions that both QPro and the flash have.
2. Compatible camera models
The QPro-S trigger is theoretically compatible with Sony cameras (supports TTL, M, and Multi flash mode), and also compatible with cameras with PC port (only supports M mode).
The tested compatibility list is as follows:
a7 IV, a7R V, a7M III, a7R III, a7S III, a7C, a7C II, a7R II, a7R II II, a7 II, a7S, a6100, a6600, a6400, a6500, a6600, a9 II, a9, a9R, 2V, E10, a1, a350
- ※ The camera models mentioned above are the ones that have been lab tested by the manufacturer and not all Sony models are covered. Users are welcome to test other camera models and we welcome all feedback.

EN

18

Causes for misfires and solutions

1. External environment 2.4GHz signal interference (such as wireless base station, 2.4GHz Wi-Fi router, Bluetooth device, and others)– Please adjust the channel ("CH") settings of the flash trigger (recommended +10), find a channel without interference, or turn off other 2.4GHz devices while using this product.
2. Please check whether your flash has recycled to full power or the recycling rate has kept up with the continuous shooting speed (the flash-ready lamp is already on), and that the device's overheating protection hasn't activated, or is operating abnormally. Please lower the power output of the flash. If it is in TTL mode, you can try changing to M mode. (In TTL mode, a pre-flash is required.)
3. Check whether the distance between the flash trigger and the flash is too close (distance <0.5m)– Please turn on the "near-range wireless mode" on the flash trigger and set "C.Fn-DIST" to "0-30m".
4. Check whether the flash trigger and the receiver unit are running low on power– Please replace the batteries (1.5V disposable alkaline batteries are recommended).

EN

19

Specifications

Model	QPro-S
Built-in Wireless System	2.4GHz frequency
Modulation Mode	MSK
Channels	32
Wireless ID	01-99
Group	A, B, C, D, E (5 groups)
TTL Autoflash	TTL
Power Supply	2 AA batteries
Manual/ Stroboscopic Flash	Yes
High-speed/ Second-curtain sync	Yes
Exposure compensation/lock	Yes
Focus Assist	Yes
Modeling Lamp	The modeling lamp of the flash is controlled by the trigger
Buzzer	The buzzer of the flash is controlled by the trigger
Wireless Shutter	The receiver can control camera shooting through the 2.5mm sync jack
Zoom Settings	The focus value of the flash is adjusted through the transmitter
Firmware Update	Upgrade the firmware through the USB Type-C port
Memory Function	New settings will be automatically saved after 2 seconds
Display Screen	FSFN dot-matrix screen
Frequency Range	2412-75MHz-2464-25MHz
Maximum radio-frequency power	3.76dBm

EN

20