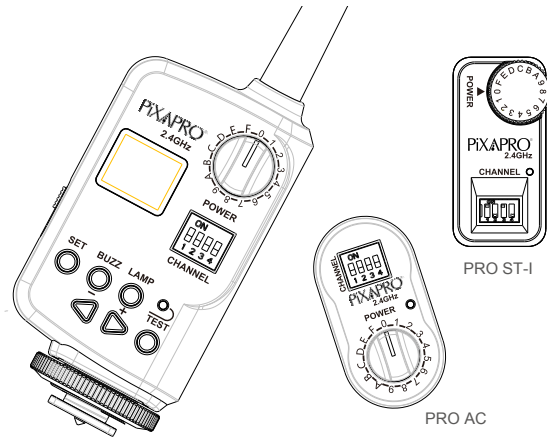# PiXAPRO®

PRO AC/PRO ST-I

2.4GHz Radio Flash Triggers

Instruction Manual

English

PRO ST-I

PRO AC

Foreword

Thanks for purchasing a PIXAPRO product.

The wireless power-control flash trigger is designed for versatile use. When used on PIXAPRO flashes (with wireless control port), it is not only a flash trigger, but also incorporates multiple functions, such as, adjusting power ratio, controlling the on-or-off of the buzzer and the modeling lamp or the AF-assist beam. The trigger set consists of a transmitter (on-camera) and a receiver (on-flash). PRO AC and Pro ST-I series triggers use the PIXAPRO ST-III 2.4GHz system for a wide range of applications.

Contents

For your safety

Before using this product, please read the following safety instructions carefully in order to ensure your safety and the proper operation of this product. Keep for future reference.

Failure to observe the following precautions marked by ⚠ could result in damage to the product. The ⚠ icon indicates warnings that should be read beforehand to avoid any possible damage or injury.

⚠ **Do not disassemble or modify.**
Failure to observe this precaution could result in electric shock or product malfunction. Should this product break open due to falling or other accident, take out the batteries and sent it to an authorized maintenance center.

⚠ **Keep dry.**
Do not handle with wet hands, immerse in water, or expose to rain. Failure to observe this precaution could cause fire or electric shock.

⚠ **Do not use in the presence of flammable gases.**
Failure to observe this precaution could result in fire or explosion.

⚠ **Keep out of the reach of children.**
This product contains small parts that may pose a choking hazard. Should a child swallows any part of this product, consult a physician immediately.

⚠ **Turn off the trigger immediately should malfunction occur.**
Should smoke or an unusual smell come from this product, take out the batteries immediately in case of burning and send this product to an authorized maintenance center. Continued use may result in injuries.

⚠ Do not expose to high temperature.

Do not leave the product in a closed vehicle in the sun or in other areas subject to extremely high temperature. Failure to observe this precaution could result in fire or damage to the casing or internal parts.

⚠ Observe precautions when handling batteries.

Batteries may leak or explode if improperly handled. Please observe the following precautions when handling batteries for this product:

- Use only batteries listed in this manual. Do not mix new and old batteries, or mix batteries of different brands.
- Read and follow all warnings and instructions provided by the battery manufacturer.
- Batteries should not be short-circuited or disassembled.
- Do not put batteries into a fire or apply direct heat to them.
- Do not attempt to install batteries in the reverse direction. Batteries are prone to leak when fully discharged. To avoid

- damage to the product, be sure to remove the batteries if the product will not be used for extended periods of time or if the batteries are out of power.

Should liquid from damaged batteries come into contact with
- skin or clothing, rinse immediately with fresh water.

Parts

Body

01. ON/OFF Switch
    Power on (ON)
    Power off (OFF)
02. LCD display
03. Power-Control Group Select Dial (POWER)
04. Channel Select Switch (CHANNEL)
05. Set Button (SET)
06. Buzz Switch (BUZZ)
07. Modeling Lamp Switch (LAMP)
    AF-assist Beam Switch
08. Test Button (TEST)
09. <-> Button
10. <+> Button
11. Hot shoe
12. Indicator
13. Antenna
14. Battery Compartment
15. Wireless Control Plug

Transmitter PRO AC
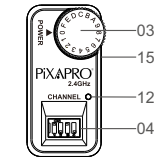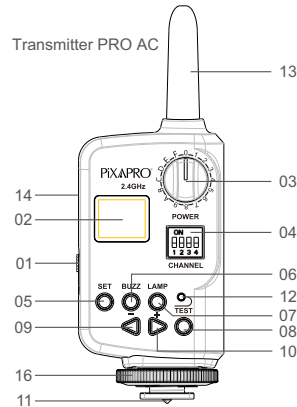
Receiver ST-I
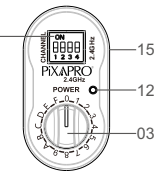
Receiver PRO AC

Battery

The transmitter needs two size-AA batteries (not provided). The receiver draws power from a flash through the flash's Wireless Control Port. Slide the battery compartment cover of the transmitter and insert the batteries.

⚠ **Low Battery Indication**
When the battery power (<2.2V) gets low,   is shown on the LCD display. Please change batteries as low battery power leads to no flash or flash missing in case of long distance.

Power Switch

Turn the transmitter on by sliding the ON/OFF Switch to ON. The LCD display will then light up.

⚠ Turn the transmitter off to save power if it will not be used for an extended period.

Power-Ratio Display Mode

The trigger set has 3 modes to display a flash's power ratio.
1. **1/128~1/1:** widely adopted in most shoe mount flashes.
2. **5.0~10:** adopted in some studio flashes.
3. **1.0~7.0:** adopted in some studio flashes
The 3 display modes can be switched over by pressing the Set Button and holding for 2s.

Channel Select Switch

The trigger set provides 16 channels for communication. Set the transmitter and the receiver to the same channel before use.
Check the following table for channel settings:

Channel	1	2	3	4	5	6	7	8
S1	0	1	0	1	0	1	0	1
S2	0	0	1	1	0	0	1	1
S3	0	0	0	0	1	1	1	1
S4	0	0	0	0	0	0	0	0

Channel	9	10	11	12	13	14	15	16
S1	0	1	0	1	0	1	0	1
S2	0	0	1	1	0	0	1	1
S3	0	0	0	0	1	1	1	1
S4	1	1	1	1	1	1	1	1

The relationship of PRO AC/ST-I and ST-III wireless trigger system:

PRO AC/ST-I (Code Switch)								
ST-III (Display Screen)	CH01	CH02	CH03	CH04	CH05	CH06	CH07	CH08
PRO AC/ST-I (Code Switch)								
ST-III (Display Screen)	CH09	CH10	CH11	CH12	CH13	CH14	CH15	CH16

Note: When use ST-III series transmitter in combination with PROAC/ST-I series receiver, please set the transmitter to M mode. PROAC/ST-I cannot receive the parameters that emitted by the transmitter in TTL and M mode.

⚠ The transmitter and the receiver must be set to the same channel for wireless control. Otherwise, the receiver does not respond.

Power-Control Group Selection

Both the transmitter and the receiver have a 16-grade Power-Control Group Select Dial (hereinafter referred to as Dial). With these 16 grades, you can wireless control at most 16 flash groups in terms of the following functions: adjusting the power ratios and turning on/off the buzzer and the modeling lamp or the AF-assist beam, as well as flash triggering.

Attach the receiver(s) on multiple flashes/one flash and set the Dial of each receiver to the same grade. This is a flash group. Then attach the transmitter on the camera's hotshoe or hold it in hand, and set the Dial to the same grade as that of receiver(s). After settings, the flashes will be under your command.

Other Buttons

1. Set Button (**SET**)

   Press the Set button and settings on the transmitter will be communicated with the flash through the receiver. 📶 Will blink for sec. on the LCD display.

   Press and hold the Set button for 2 sec. to switch the power-ratio display mode.

2. Buzz Switch (**BUZZ**)

   Press the Buzz Switch to turn the buzzer on or off. When the buzzer is turned on, 🔔 will be shown on the LCD display.

3. Modeling Lamp Switch / AF-Assist Beam Switch (**LAMP**)

   Press the switch to turn the modeling lamp or AF-assist beam on or off. When the lamp or beam is turned on, 💡 will be shown on the LCD display.

4. <-> <+> Button

   Press the <-> or <+> button to decrease or increase the power ratio. The power range is "OF, 5.0~10" or "OF, 1.0~7.0" for studio flashes and "OF, 1/128~1/1" for shoe mount flashes. "OF" means the flash triggering function is shut down on the flash.

   To disable the flash triggering of a flash group, press " - " and "+" buttons at the same time, with the panel displaying "OF".

5. Test Button (**TEST**)

   Press Test Button to fire the flash. Both the indicators on the transmitter and the receiver will blink.

Using the Trigger Set

■ Wireless Adjusting Flash Settings

The trigger set can wireless adjust the following settings: the flash power ratio, the on-or-off of the buzzer and the modeling lamp or the AF-assist beam, as well as the power-ratio display mode.

1. On the transmitter and the receiver, set the Channel Select Switch to the same position and the Power-Control Group Select Dial to the same grade.

2. Insert the receiver into the Wireless Control Port of the flash unit. Then power the flash on.

3. Adjust the flash settings on your transmitter.

■ Wireless Triggering the Flash

1. On the transmitter and the receiver, set the Channel Select Switch to the same position.

2. Insert the receiver into the Wireless Control Port of the flash unit. Then power the flash on.

3. Press the Test Button to fire a flash. Alternatively, you can set the transmitter onto the camera's hot shoe and press the camera's shutter-release button to fire a flash.

Connect/Disconnect PRO ST-I

Connection

Disconnection Way

Proper   Improper

Technical Data

Model	PRO AC	PRO ST-I
Transmitter Power Supply	3V (2*AA Ni-MH or alkaline batteries)	
Receiver Power Supply	5V (powered by flashes)	
Transmition Frequency	2.4GHz wireless remote system	
Workable Distance	Over 100m / 328ft (open areas)	
Control on Flashes	Flash power ratio	
	Modeling lamp or AF-assist beam on/off	
	Buzzer on/off	
	Power-ratio display mode	
	Flash triggering	
Max. Sync. Speed	1/250 second	
Channels	16	

Transmitter Dimension	97.6*49.9*36.95mm	
Net Weight	A set: approx. 80g	A set: approx. 70g
	Only receiver: 20g	Only receiver: 10g
Receiver Dimension	57*30*26.5mm	55*27*9mm

Model	Includes	Fit flashes	Fit cameras
PRO AC	Transmitter Receiver PROAC	PIXAPRO CITI600, PowerCore, Hybrid360 Series Porable Flashes Lumi, Storm Kino Series studio flashes.	Canon, Nikon, Pentax, Olympus, etc.
PRO ST-I	Transmitter Receiver ST-I	PIXAPRO Li-ion Speedlites	

Troubleshooting

1. Unable to trigger a flash by pressing Test Button or the camera's shutter-release button.
- Make sure batteries are installed properly and the trigger set is powered on.
- Check if the transmitter and the receiver are set to the same channel. If not, set to the same position.
- Check if the trigger set is securely seated into the camera's hot shoe.
2. Signal disturbance or shooting interference.
- Change a different channel on the trigger set.
3. Short workable distance or flash missing.
- Check if batteries are exhausted. If so, replace with new batteries.

Maintenance

1. **Avoid sudden drops.** The device may malfunction after strong shocks or impacts.
2. **Keep dry.** The device is not water-proof. Malfunction, rust, and corrosion may occur and the device may go beyond repair if immersed in water or exposed to high humidity.
3. **Avoid sudden temperature changes.** Condensation may happen if the ambient temperature changes suddenly, for example, in a case when the trigger set is taken out of a building with a high temperature to outside in winter. Please put the trigger set in a handbag or plastic bag beforehand.
4. **Keep away from strong magnetic field.** The strong static or magnetic field produced by devices such as ratio transmitters may lead to malfunction.