



King PRO

Wireless Flash I-TTL Trigger

For Nikon



Instruction Manual

Overview

Thank you for purchasing high-performance Pixel product.

First, thank you for purchasing high-performance Pixel product - King PRO, it achieves high sync shooting with Nikon anan cameras and flashes, and its various flash mode functions, including ITTL, the maximum shutter sync speed up to 1/8000s.

Also, it has grouping function. It has three groups in total. Each group can control output different mode through the device. You can directly control the flash mode or output ratio of the flash through the transceiver.No need to adjust flash and you can get different flash mode.

Before using, you must read through and totally understand this instruction manual, your camera and flash, to ensure you are familiar with the operation and can use correctly. By this manual, you can use this product easily with precautions.

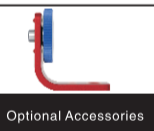
Precautions

- Before installing make sure your camera and flash are powered off.
- This product is an electronic device, it may be affected by external environmental factors and cause the camera cannot operate or malfunction. Nevertheless, this possibility is very small.
- Do not let the components suffered from strong vibration, otherwise it may cause the product failure.
- When not in use for long durations, please turn off the power of the transceiver and the receiver and remove the batteries.
- The batteries should be installed correctly. Reverse polarity may cause batteries to leak corrosive liquids, heat or explosion.
- When connecting the cable to the device, do not pull the wires directly.
- Do not store in a high temperature, such as a closed car under direct sunlight, the dashboard and other high-temperature areas.
- Keep dry, do not touch the product with wet hands. Do not immerse in water or exposed to rain as this may lead to device failure.
- Do not use near flammable gases. Failure to follow this warning may cause explosion or fire.
- This product involves batteries, please strictly follow the instruction for proper operation. Failure to follow this may cause explosions, fire or personal injury.

Items Included

After unpacking (full set King PRO SET), please check if the below items are included in the package. If there is any item missing, please contact your dealer.

King PRO Transceiver	1 pc
King X Receiver	1 pc
USB 2.0 cable	1 pc
Hot Shoe Protector	2 pcs
Universal Flash Holder SF-18	1 pc
Instruction Manual	1 pc



Name of Each Part

King PRO Transceiver



- Hot Shoe: Connect with flash for communication. This connect flash function is not controlled by the transceiver, flash output function set on the flash directly.
- Light Indicator: Blue light blinks indicates normal communication with camera. Red light blinks indicates sending of flash signal.
- Test Flash / Shutter Button: This button is used to test whether the device is connected successfully. Press the button connected to the device flash indicates a successful connection. If you use together with the shutter connecting cable, this button is used as the shutter button.
- Group Settings: Group settings on/off. When the group is opened, the light indicator of the corresponding group will on. When the group is off, the light indicator of the corresponding group will off. When the transceiver is under standby condition, press the corresponding group key, you can directly set the group's function mode.
- USB Interface: Update the interface of the device, power input, shutter signal output (using shutter function need to purchase USB shutter connecting cable from Pixel).
- SYNC: Trigger signal output interface, used to trigger studio lights.
- Custom Key: According to the icon illustrated on the screen as the corresponding function key.
- Hot Shoe Foot: Connect with camera for communication.
- Device Working Mode Button: Set the device as Master or Slave.
- Channel Setting Key: Can set 1-15 fixed channels and 1 automatic channel.
- Sync Switch Key: Hi-speed sync, 1st curtain sync, 2nd curtain sync switch button (Extra setting in the camera menu is needed for Hi-speed sync).
- On/Off Key: Power switch, ON and OFF.
- Mounting Bracket Nut: When transceiver is used as the slave mode and install the flash is fixed, you can buy and use in conjunction with our company's special bracket.

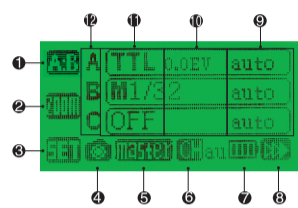


King X Receiver



- Hot Shoe: Connect with flash for communication.
- Light Indicator: Blue light blinks indicates normal communication with transceiver. Red light blinks indicates receiving flash signal. When the battery power is low, the red light will blink twice every second.
- Test Flash / Shutter Button: This button is used to test whether the device is connected successfully. Press the button connected to the device flash indicates a successful connection. If you use together with the shutter connecting cable, this button is used as the shutter button.
- Group Settings: Group settings on/off. When the group is opened, the light indicator of the corresponding group will on. When the group is off, the light indicator of the corresponding group will off.
- USB Interface: Update the interface of the device, power input, shutter signal output (using shutter function need to purchase shutter connecting cable from Pixel).
- SYNC: Trigger signal output interface, used to trigger studio lights.
- Mounting Bracket
- ON/OFF Key: Power switch, ON and OFF.
- Channel Setting Key: Can set 1-3 fixed channels and 1 automatic channel.

Transceiver King PRO Icon Introduction



- Light Ratio Icon
- Focus Icon
- Group Setting Function Icon
- Camera Connection Icon
- Device Operation Mode Icon
- Channel Icon
- Power Icon
- Sync Mode Display Area
- Focal Length Area
- Exposure Compensation/Manual Output Display Area
- Group Function Mode Display Area
- Group Icon

Specification

Mode: FSK2.4GHz
 Distance: 300m or Above
 Channel: Transceiver - 1 Auto Channel and 15 Fixed Channels Receiver - 1 Auto Channel and 3 Fixed Channels.
 Antenna: Internal Antenna
 Power Supply: 2.2-3.3V (AA x 2)
 Sync Speed: 1/8000s (According to Different Models of Camera and Flash)
 Shutter: Support Camera Control Camera Single Shooting
 Group: 3 Groups (A/B/C)
 Interface: USB2.0, SYNC Interface
 Flash Test: Support
 Function: Support I-TTL Flash Mode, Manual Output M Mode

Function

Easy and Convenient, Smart and Powerful

- LCD Display Output at a glance.
- Multi-keys Settings. Each feature has individual buttons, simple and easy to use.
- Support more operation system to upgrade device firmware online, such as Windows, Mac OSX.
- More stable and reliable hardware and software for the new upgrade.
- Farther remote distance, control distance of above 300m.
- More output mode combinations, you can always set each group to different flash output ratio.
- More energy-saving design, and the use of more reliable gold-plated metal battery clip as well as anti-lost battery compartment cover design.
- King Pro uses a full metal structure design, more solid, hard as stone chime; external metal mounting bracket nuts, same as the design of flash bracket.
- King Pro uses 15 fixed channels and 1 automatic channel mode, allow thousand sets of products to be used in the same area without interference.
- King Pro uses two-colour LED backlight, more easy to distinguish Master or Slave Mode.
- More scalability SYNC output socket, camera can control camera shooting. Also, can control outdoor lights and studio lights.
- Support group to control the focal length of the flash.

Test Flash

- Check that the power is turned on.
- Press the test flash button, check the transceiver and receiver are set to the same channel and group or if the connection is succeeded. You can only successfully test the flash when the channel and group are consistent.
 - When transceiver is the master, press the test flash button, it corresponds the valid flash to flash, including the flash of this device.
 - When transceiver is the slave, press the test flash button, the flash of this device flashes.
 - When you press the test flash test button of the receiver, the flash of this device will test flash.

Operation Introduction

Light Ratio Setting

After turned on, press [A:B] button to enter into light ratio setting screen.

- A:B Light Ratio Setting
Through pressing [A:B] button on LCD panel once, immediately enter A:B light ratio setting screen (as shown in 1); after pressing SET button immediately can base on the "+, -" button on the screen to set up the output of the light ratio (as shown in 2), press "OK" to finish setting. Press again [A:B] key twice continuously, exit to main panel.

- A:B C Light Ratio Setting
Through continuously pressing [A:B] button on LCD panel twice, immediately enter A:B C light ratio setting screen (as shown in 3), press SET immediately can base on the "+, -" button on the screen to set up the output of the light ratio and exposure compensation (as shown in 4), press "OK" button to confirm. After finish setting, press [A:B] button, you can immediately exit to main panel.



Flash Focal Length Setting

- After turned on, through pressing [ZOOM] button on LCD panel to enter group focal length setting screen (as shown in 1); press left side Group A, B or C button again to choose the group you need to set the focal length. According to the "+, -" button on the screen to set the focal length from "18mm-200mm", auto is auto focus, press "OK" key to finish setting.



Group Function Mode Setting

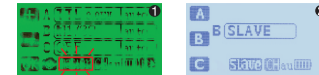
- After turned on, through pressing [SET] button on LCD panel to enter group function mode setting screen (as shown in 1), the setting area flashing, press again the left side Group A, B or C button to choose the group you need to set up. Continuously press the select key (group key) to switch between "TTL, M, OFF" mode (as shown in 2). After choosing mode, you can base on "+, -" button on the screen to select output, press "OK" key to confirm and exit the setting panel.



- After turned on, you can directly press Group A, B or C button to choose the function mode of A, B or C and switch between TTL, M and OFF.

Master and Slave Setting

- After turned on, through pressing function mode to set (as shown in 1), the set option flashes, base on "+, -" button on the screen to choose Master or Slave. After choosing Master mode, press "OK" key to confirm and exit the setting panel. After choosing Slave mode, press "OK" key to enter group slave mode, directly press A, B or C key on the screen or press Group A, B or C button to choose slave group (as shown in 2). When you are in slave mode, the light shown on the panel is white.



Channel Setting

- After turned on, through pressing the channel setting button (as shown in 1), the set option flashes, base on "+, -" button on the screen to choose channel. You can choose channel "CH1-CH15" for 15 channels and one automatic channel, press "OK" button on the screen to confirm and exit.

CH au of transceiver and Auto of receiver are automatic channels, its operation is as follows: When the device is under off condition:

- King PRO channel setting when under Master mode: Hold down the Group C key and switch on the power key until the screen turns as shown in Figure 2. Release the Group C key, the power indicator shows blue light blinks, the device immediately enters into the checking condition. If it is in improper operation, it will enter into the normal user screen. After finish all receivers channel matching, turn off and you can use after re-open it.
 - King PRO channel setting when under Slave mode: Hold down the Group C key and switch on the power key until the screen has the word Coding as shown in Figure 3, then release Group C key, the power indicator shows blue light blinks, the device immediately enters into the checking condition. If channel matching is successes with the transceiver, the indicators shows red light blinks. Turn it off and you can use it after re-open it.
 - King X channel setting: Hold down Group C key and switch on the power switch at the same time. The indicator shows blue light blinks will immediately enter into checking condition. If channel matching is successes with the transceiver, the indicators shows red light blinks. Turn it off and you can use it after re-open it.
- After finish the channel matching, the device will not be interfered by any other channels, the same product can be used with an unlimited quantity without interruption.

Turn on the King PRO Master as matching status first, then turn on the King PRO Slave or King X to do the matching.



- When use with King PRO, just set as the same channel to use.
When use with King RX, L1=Ch01, L2=Ch02, L3=Ch03, L2+L3=Ch04, L1+L2=Ch05, L1+L3=Ch06, L1+L2+L3=Ch07
When use with King X, Ch1=Ch01, Ch2=Ch02, Ch3=Ch03, Auto=Ch au

Flash Mode Setting

- After turned on, through pressing the switch button of the LCD frequency sync mode to enter between high-speed sync, 1st curtain sync and 2nd curtain sync.(continuously press this button) High-speed sync should be set in the camera menu.
- After turned on, if you need to control the receiver flash's as 1st curtain sync or 2nd curtain sync mode by transceiver, please set the camera into 1st curtain sync mode first.

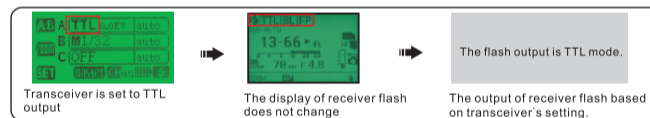
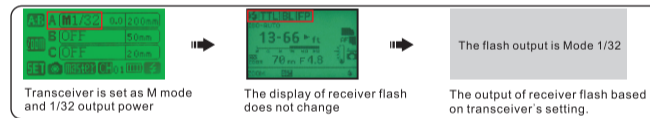


Operation Notice For Receiver Flash

- Before using, the flash on the receiver must be set to TTL mode (as shown below) in order to work with the transceiver. If you set receiver flash to another mode, the transceiver may be unable to control or flash exposure is not accurate.



- When the transceiver is set to M mode or TTL mode, the display of receiver flash will not change according to the transceiver's pre-set parameter. And the actual output of the flash mode is to set to flash according to the pre-set flash mode of transceiver (as below).



- When setting focal length and exposure compensation of the transceiver, the display of receiver flash shows consistent with the transceiver's pre-set parameter (as below). Receiver's flash focal length (ZOOM) changes depend on the the transceiver's pre-set focal length (ZOOM).



Receiver flash's exposure compensation changes depend on the transceiver's pre-set exposure compensation



* The above figure is only for your reference.

Shutter Function

Remote Camera Shooting

- Separately buy Pixel's USB shutter connecting cable, you can use wired or wireless shutter remote control (as shown below).



- You must set the focus function of the camera lens to "M" to test shooting, otherwise, you might not shoot as you cannot find the focus point.
- When using the shutter release, as the shutter button is 1 step, the focus mode might not very clear

Through Master Camera to Control Other Cameras to Shoot Simultaneously

When you use with the shutter connecting cable, you can use camera to control camera to shoot (as below).



- Since the response time of different cameras differs, shooting time may have small differences.
- When some cameras cannot find the focus point, though receive the shooting signal, it may not shoot. Please set the focus mode of your camera lens to manual "M".
- If you are using non-dedicated transceiver, then slave camera cannot focus.

Thank you for purchasing Pixel product and read this instruction manual. If you have any question, please contact your local dealer or visit <http://www.pixelhk.com>. This information of this instruction manual is updated as of 3rd August, 2013. For information on the use of the combination of product marketed after this date, please contact Pixel's dealer for advice.