



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 Canon cameras and flashes, and its various flash mode functions, including E-TTL II, FP, etc., 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. When you use EOS EXII or 600EX-RT compatible flash, you can directly control the flash mode or output ratio of the flash through the transmitter. 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



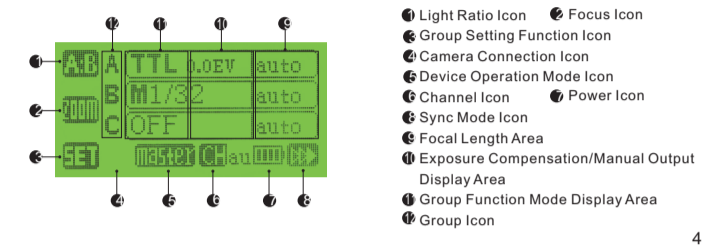
- Hot Shoe: Connect with flash for communication. This connect flash function is not controlled by the transceiver, flash output function set on the flash directly.
- Light Indicator: Blue light blinks indicates normal communication with camera. Red light blinks indicates sending of flash signal.
- Test 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.
- 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 Receiver



- Hot Shoe: Connect with flash for communication.
 - Light Indicator: Blue light blinks indicates normal communication with camera. Red light blinks indicates sending of 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.
- Remark: All functions of Receiver King X are used with the Transmitter King PRO.

Transceiver King PRO Icon Introduction



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

Specification

Mode: SK2.4GHz F
 Distance: 300m to 300m
 Channel: Transceiver: 15 channels, Receiver: 15 channels
 Antenna: External antenna
 Power supply: 2-32V AA x 2
 Sync speed: 8000s (According to different camera and flash)
 Shutter: Support camera shutter speed shooting
 Group: Groups A, B, C 3 G
 Interface: SB2.0, YSC interface
 Flash set: Support S
 Function: Support Canon's E-TTL II flash mode, manual output ModM

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 OS X.
- 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.
- More humane test flash for brightness output.
- Support group to control the focal length of the flash.

Installation Instructions

Installing the Receiver:



- As shown in (1), put the quick board screws into the receiver's quick board fixing screws. As shown in (2), mount the quick board on the mounting bracket.
- Ensure the flashgun is turned off, install the hot shoe foot of the flash on the receiver's hot shoe as shown in (3). According to the locking method of the flash to lock the flash as shown in (4).

Installing the Transceiver:



- Please ensure camera and device are turned off, fix the hot shoe on transceiver on the screw nut loosen the nut clockwise. As shown in (1), fully install the transceiver into the camera hot shoe. Rotate the hot shoe fixed screw nut anti-clockwise to lock tightly as shown in (2).
- Ensure the flash is turned off, install the hot shoe foot of the flash into the transmitter's hot shoe as shown in (3). According to the locking method of the flash to lock the flash as shown in (4).

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 successful. You can only successfully test the flash when the channel and group are consistent.
 - Test Flash for Transceiver, when the flash is set to E-TTL mode, the test flash output is pre-flash. When the flash is set to manual M mode, test flash output is the current output ratio.
 - 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 on LCD panel to enter 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), press SET 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 again Group A, B or C button to choose the group you need to set the focal length. According to the "+, -" button on the screen to set the focal length from "24mm - 105mm", 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), 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 left side Group A, B or C button to choose the function mode of A, B

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 Auto of Transmitter and Auto of Receiver are automatic channels, its operation is as follows: When the device is under off condition:

- Check Channel when King PRO is a Master: 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 all receivers successfully check the channels, turn off and you can use after re-open it.
- Check Channel when King PRO is a Slave: 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. If checking channel is successful with the receiver, the indicator shows red light blinks. Turn it off and you can use after re-open it. If it is in improper operation, it will enter into the normal user screen.
- Check Channel for King X: Hold down Group C key and switch on the power on/off key at the same time. The indicator shows blue light blinks will immediately enter into checking condition. If checking channel is successful with the receiver, the indicator will have red light blinks. Turn it off and you can use it after re-open it.

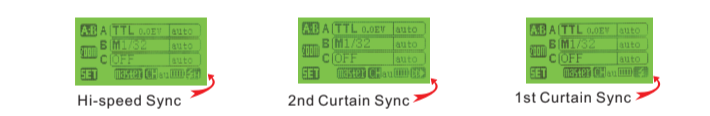
After finish checking the channel, the device will not be interfered by any other channels, the same product can be used with an unlimited quantity without interruption.
 * Channel checking will first adjust King PRO Master to the channel checking condition, and then adjust Slave or Receiver and the setting is complete.



- When you use with King Pro, you can only use the same channel setting. When you use with King, L1=CH01, L2=CH02, L3=CH03, L2+L3=CH04, L1+L2=CH05, L1+L2+L3=CH07. When you use with King X, CH1=CH01, CH2=CH02, CH3=CH03, Auto-CH au.

Flash Mode Setting

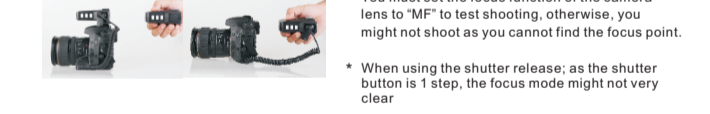
After turned on, through pressing the switch button of the LCD frequency sync mode to enter between high-speed sync, 1st curtain sync and 2nd curtain sync to choose. (repeatedly press this button).



Shutter function

Remote Camera Shooting

- Separately buy the SB shutter connecting cable, you can set wireless remote control as (shown below).



- You must set the focus function of the camera lens to "MF" 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 "MF".
- 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 15th July, 2013. For information on the use of the combination of product marketed after this date, please contract Pixel's dealer for advice.



changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.