

Instruction Manual





Overview

Thank you for purchasing PIXEL product

Thank you for purchasing the Pixel product --- King. King achieves high-sync flash shooting with Canon cameras and other creative lighting function including E-TTL II, E-TTL, FP...etc. King supports shutter speeds up to 1/8000 s. King has 3 different groups; each group can use multiple units and set each as individual power settings. When using the EOS EXII series flash, you can set the flash power in the camera menu, directly.

Please read this instruction manual completely and ensure proper operations with your flashoun before using this product.

Cautions

- 1. Make sure the camera and flash are powered off before installing the King.
- 2. As an electronic accessory this may be affected by rare environmental causes. Normal working operations should not be affected by this.

3. Drops or shocks will lead to product failure.

- 4. When not in use for long durations, please turned off the transmitter and the receiver's power and remove the battery.
- 5. The batteries should be installed correctly. Reverse polarity may cause batteries to leak corrosive liquids, heat or explosion.
- 6. When connecting the cable with the device, do not pull directly on the wires.
- 7. Do not store in a high temperature, such as an enclosed car under direct sunlight, the dashboard and other high-temperature areas.
- 8. Keep dry, do not contact wet hands with the product. Do not immerse in water or exposed to rain as this may lead to failure of the device.
- 9. Do not use near flammable gases. Failure to follow this warning may cause
- 10. This product includes batteries; please strictly follow the instruction for proper operation. Failure to follow this may cause explosions, fire or personal injury.

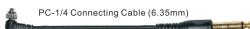
Included items

Please check the listed items below in the package, please contact your dealer if

there are missing items.	
King Transmitter	1pc
King Receiver	1pc
PC-1/4 Connecting Cable (6.35mm)	1pc
PC-3.5 Connecting Cable	1pc
USB 2.0 Cable	1pc
Hot Shoe Protector	2pcs
Receiver Holder	1pc
Universal Flash Holder SF-18	1pc
Instruction Manual	1pc



PC-3.5 Connecting Cable



King Basic

Wireless System	1		
System Mode	Digital FSK 2.4GHz		
Distance Range	Up to 100M		
Wireless Channel	7		
Performance			
Flash Mode	E-TTL、TTL、M		
Sync Mode	1st Curtain, 2nd Curtain, High Speed Sync		
Group Control	3 different groups (7 different combinations)		
Function	King supports flash zooming, focal length, ISO, shutter speed, FV lock and FP		
Sync Speed	1/8000S		
Compatible Flash	Flashgun, Studio light and outdoor light		
Focusing light	Transmitter support with focusing light		
Trigger Mode			
Transmitter	Input support PC and Hot shoe.		
Receiver	Output support TTL, Hot shoe and connecting cable sock		
Socket			
Transmitter	USB, PC, Cable input socket, Hot shoe input		
Receiver	USB, PC, Cable output socket, Hot shoe output		
Power			
Suitable Battery	TransmitterAA x 2pcs(support 1.2V rechargeable batter or DC 5V power		
	ReceiverAA x 2pcs(support 1.2V rechargeable battery) DC 5V power		
Standby	Transmitter 300Hrs(AA 1.2V 2400mAH rechargeable batte		
	Receiver 200Hrs(AA 1.2V 2400mAH rechargeable batte		

Function /

Support flash power in camera menu	
Support flash control in camera menu	
Support EV	
Support FE lock	
Support camera group setting	
Support 3 flashes output as different power	
Support flash group setting on transmitter	
Support 1st Curtain, 2nd Curtain and High speed sync	
Support High speed sync for studio and outdoor light	
Support well known brand flashes for High speed sync and TTL. (Metz, Sigma, Sunpak, Ni	ssin)
Support well known brand flashes for trigger. (Does not support high speed sync and TTL fl	lash)
Support firmware upgrade	
Support multi receiver control	
Support flash focusing light	
When King is used with EOS EXII flash, flash power can be adjusted in camera m	ienu.
Follow camera instructions for above usage.	
Device does not support :	
Do not support flashes using mixed modes, such as E-TTL and M together	
No support for strobe mode	
No support for Canon wireless flash system	
No support for bracket exposure	
No support for directly controlling flash mode and power for EX series flash as camera m	enu
Receiver does not support camera shutter and flash trigger at the same time.	
Transmitter's hot shoe is NOT used for flashgun	

Compatible Device

King transmitter compatible with For the camera compatible list, please kindly to visit our website http://www.pixelhk.com King receiver compatible with Canon EOS 580EXII、580EX、430EXII、430EX、320EX II、270EXII、 220EXII Flash Aftermarket flash Metz, Sigma, Sunpak, Nissin Studio and outdoor flash Support external flash control in camera menu 450D, 500D, 550D, 600D, 40D, 50D, 60D, 7D, 5D Mark II、1D Mark III、1D Mark IV、1Ds Mark III This function can be controlled the flash directly from camera menu. Support camera external flash control flashgun Canon 580EX II、430EX II、320EX、270EX; ► Metz AF-48、 AF-50、 AF-58

*All brand name(s), logo(s) are trademarks of third party company registered worldwide and were subject(s) as provided for information purposes only.

Using non compatible with menu setting camera model as below:

- 1、Canon 10D、20D、30D、5D、300D、350D、1D、1D Mark II.
- 2. Above camera model do not have external flash function setting in camera menu; you can only set the channel and group on transmitter.

outton (CH SET)

-USB Socket

Mounting Foot

Power Switch

utton (GP SET)

Channel setting L

USB Socket

Eyelet

Eyelet

Group setting button (GP SET): Set the device group. Slightly press the button to check the current status; press again or hold for 2sec to enter setting mode.

ChannelIndicator/GroupIndicator: These indicator lights show the group or channel working status

Operation Indicator: Power, wireless communication or command indicator. Indicator displays as red when turning on the device; indicator displays as blue when the device communicate with camera

Battery Compartment: Compartment for 2pcs AA battery, 1.2V to 1.6V

Receiver Lock Ring: Suitable to attach on tripod or screw nut.

PC Socket: PC output socket

Power Switch: Switch to OFF to turn off the device; switch to ON to turn on the

Transmitter Mounting Foot: Input interface connection with camera hot shoe

UBS Socket: Used for firmware upgrade, DC 5V power supply, shutter rem

Sticker: Showing product S/N number, battery type on the sticker.

1. Power

Transmitter and receiver are using 2pcs AA battery which are compatible with 1.2V battery: also supports 5V DC power supplied through USB socket



King is using 2-steps power switch; switch to OFF to turn off and switch to ON to turn on



The setting will be saved after the power is off, even the different setting on each channel

Battery Compartment

Trigger pin

Battery Compartmen

2. Channel or Group:

- Slightly press CH SET and GP SET button to check the current status and enter
- Setting: Press CH SET and GP SET to change the channel and group after entering setting mode; LED will turn off and exit from setting mode after 3sec.

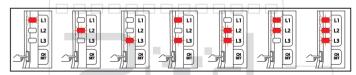
3. Operation Indicator

• Operation indicator is a 2 color LED. Indicator will show red when the receiver is under standby mode; indicator will show blue when communicating with camera.





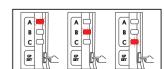
 Channel indicator has 3 red indicators which are L1 L2, and L3. Transmitter and receiver use the same setting method and can be set as 7 different channels. [L1], [L2], [L3], [L1, L3], [L2, L3], [L1, L2], [L1, L2, L3].



• Group indicator are 3 red indicators which are A, B and C. Transmitter andreceiver use the same setting method and transmitter can be set as 7different groups. [A]、[B]、[C]、[A、C]、[B、C]、[A、B]、[A、B、C].



Receiver can be set as 3 different groups. [A], [B], [C].



Name of each part

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Operation Indicator

Hot Shoe

Name of each part

Hot Shoe

Operation Indicator

Receiver

Eyelet: Use strap or lanyard to hold the device

Hot Shoe: Transmitter side---Only for use with N-ETTL (flash power controller). Receiver side---For attaching to the flashgun

Mounting Foot

Channel setting button (CH SET): Set the device channel. Slightly press the buttonto check the current status; press again or hold for 2sec to enter setting mode.

4. Socket

PC Sync Socket:

PC sync socket on receiver is for connecting with studio or outdoor light. Some flashes can work with high speed sync (we will indicate the compatible flashes on our website).PC sync socket on transmitter is not functioning at this moment; we will update the information on the website http://www.pixelhk.com

USB Socket

- A. Upgrade the firmware through this socket
- B. 5V DC power supply through this socket
- C. The socket on receiver also works with shutter control, compatible cables are shown on http://www.pixelhk.com

5. Hot Shoe

Hot Shoe:

Transmitter hot shoe is not support for flashgun. This is for PIXEL product N-ETTL accessory which can be controlled flash power for each group. Please kindly to ready this accessory instruction for more information.

Attach the flash on receiver hot shoe which can be adjusted flash output through the hot shoe pins.

Flashgun attached on receiver hot shoe. When using non compatible flash, this is only manual trigger and shutter speed up to 1/250S.

Hot Shoe Foot

Device Installation //

Transmitter Installat

Attach transmitter hot shoe foot on camera. When using with Canon EOS camera which can be controlled the flash by E-TTL or manually to adjust the flash power. When not using Canon EOS camera which cannot be controlled the flash by E-TTL; only manually trigger and the shutter speed up to 1/250S.

Device Operation Mode

- A. Transmitter side: Channel as L1. Group as ALL: Receiver side: Channel as I 1 Group as A
- B Transmitter Operation Mode:
- 1 ransmitter and camera set as F-TTI
- 2. Turn on transmitter and the status as below:
 - 1.E-TTL II Flash Mode: E-TTL II 2.Shutter sync.: Hi-speed 3 Exp. Comp : 0



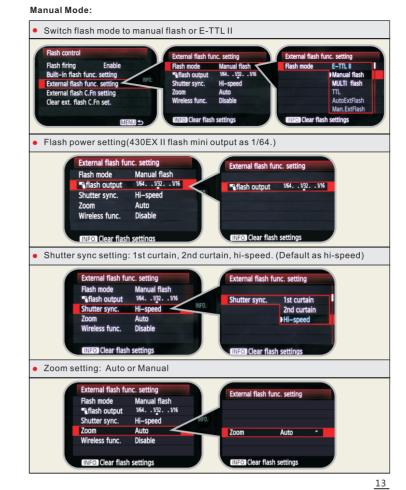
- 3. Separate to purchase N-ETTL and use on transmitter hot shoe.
- 4. Set the channel and group through CH SET and GP SET button.
- 5. The setting will be saved after the power is off, even the different setting on each
- C. Receiver Side Operation Mode:
- 1. Receiver will follow the transmitter data to set the flash mode, output, sync speed,
- 2. The indicator flashes as blue when working normal.
- 3. Receiver default setting from factory.





- D. This product cannot support Canon external flash wireless function.
- E. This device supports to set the flash output through camera (This is only compatible with the camera and flash which is supported this mode)

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a)A+B+C(ALL)

- 1. 3 groups are using the same setting
- 2. This setting method is same as
- 3. Transmitter can be turned off or on the group, but cannot set flash power on transmitter.

A+B+C 1/16. . 1/8 . . 1/ 1/32. . 1/16. . 1/ Group B output INFO. Clear flash setting

b) A:B

- 1. This setting means is turned off group C output
- 2. Set group A and B output as
- 3. Group A output is same as content setting.

xternal flash func. setting Firing group A:B Group A output 1/16. . 1/8 . . 1/4 Group B output 1/32. . 1/16.

- 1. This mode is turned on all the groups and different power setting for each group.
- 2. Group A output is same as content setting.
- 3. Flash cannot use exposure compensation when power output under M mode.



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The instruction as below is only for the compatible flash and camera. External flash function setting in camera menu: E-TTL II mode:



1. Loosen the transmitter lock ring to the right and insert into camera hot shoe; tighten the transmitter lock ring to the left.

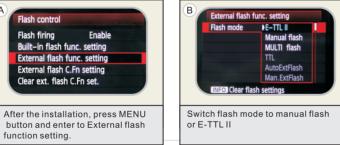






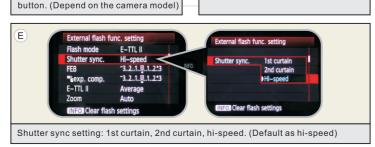
- 1. Loosen the flashgun lock switch.
- 2. Insert flashgun to receiver hot shoe.
- 3. Follow the flashgun locking system to lock the flash.
- 4. Insert this receiver on the multi-use flash. holder and tight the transmitter lock ring to the left.







be set as short-cut menu or camera



Wireless function in external flash control:

Set this mode in external flash control menu. (This is only support with some compatible camera and flash)



- Set each flash group power through camera menu.
- Set this mode in external flash control menu.
- Master flash in this menu is not support.
- 1CH is corresponded with L1; 2 CH is corresponded with L2; 3 CH is corresponded with L3; 4 CH is corresponded with L1,L2,L3.

Manually set transmitter group. Press GP SET button for 2sec to enter setting



d) Transmitter Operation Mode

- 1. The updated information will be sent to receiver after every setting is done.
- 2. Transmitter and camera set as M



Above setting only work with King output setting which is not support Canon original wireless flash mode. Those functions are work with the compatible flash.

Thank you for purchasing PIXEL product and read this instruction manual carefully. If you have any question please kindly to contact our local dealer or visit to http://www.pixelhk.com

This instruction manual is updated at 01st July, 2011. Please contact the PIXEL seller to get the information if you want to use this product combined with other latest product, which published after this date.

Firmware upgrade link: http//: www.pixelhk.com/down/king

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