

FlashQ X20

Camera Flash

Thanks for choosing FlashQ !

Happy shooting with FlashQ System.



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2021-05 Prints

Key Features

- Compact external flash with Guide Number 20 (at ISO 100 and 32mm)
- Compatible with Sony ADI / P-TTL
- Front (1st) & Rear (2nd) Curtain Sync
- Flash Exposure Compensation (FEC)
- Wireless TTL functionality, off-camera flash any time, with detachable Transmitter design
- Remote control flash power ratio/ video light level / Flash Exposure Compensation (FEC)
- Tilttable flash head
- Built-in color gel holder
- LED video light with both brightness and color temperature adjustable
- FlashQ Transmitter with built-in rechargeable li-ion battery
- USB charging for both FlashQ Transmitter and X20 body (using rechargeable Ni-MH batteries)

Low Battery Notification

FlashQ Transmitter : During power-ON, press Power button once, blinking RED indicates low-battery and needs a recharge.

X20 Main Body : A low-battery icon shows up on LCD screen. And flash / video light may get suspended. This needs a recharge / battery replacement.

Charging FlashQ Transmitter (model X20-S)

- Charge FlashQ Transmitter (with built-in Li-ion battery) by connecting it to a computer or other USB power adapter using the included USB cable.
- The Status indicator on Transmitter is in RED during charging and turns GREEN when charging is complete.
- Take round 1.5 hours to fully charge the Transmitter.

WARNING:

The included USB charging cable is for charging FlashQ X20 / Transmitter / Receiver only. Total power rating (two micro-USB outputs) is at 5V 800mA.

Charging FlashQ X20

Highly recommend to use rechargeable Ni-MH batteries for FlashQ X20 for quick recycling time and convenience of USB charging capability.

- Charge FlashQ X20 (with rechargeable Ni-MH batteries installed) by connecting to a computer or other USB power adapter using the included USB cable.
- The USB Charging Indicator is in ORANGE during charging and turns GREEN when charging is complete.
- Take around 4.5 hours to fully charge two 2500mAh Ni-MH batteries with FlashQ X20.

WARNING:

- FlashQ X20 also accepts two non-rechargeable AA-size alkaline batteries, but DO NOT attempt to recharge the alkaline batteries using USB charging.
- Battery may leak or explode if improperly handled.
- Make certain to install the batteries with correct polarity.
- Remove the batteries from FlashQ X20 when not in use for a prolonged period.

FCC Warning

FCC ID: 2AT3V-X20

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.

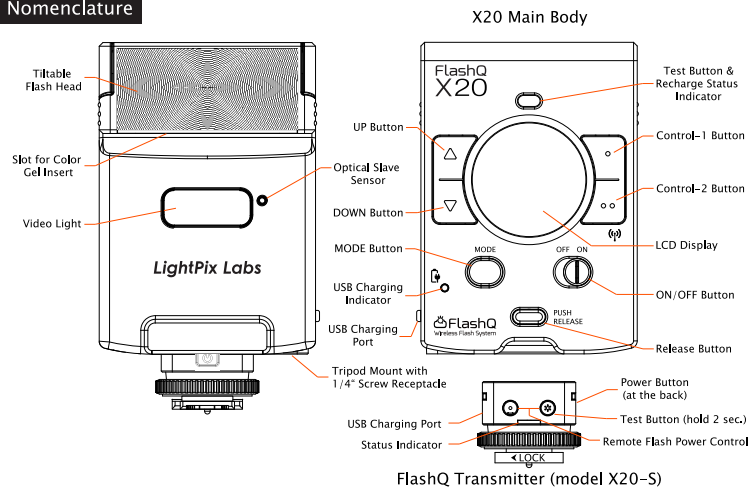
NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Nomenclature



Package Contents

- 1 x FlashQ X20 main body (Battery is not included)
- 1 x FlashQ Transmitter (model X20-S, with built-in lithium battery)
- 1 x Color gel pack (6 colors)
- 1 x USB charging cable (two micro-USB outputs)
- 1 x Protective pouch
- 1 x Protective cap for Transmitter's hot shoe
- 1 x User manual

Compatibility

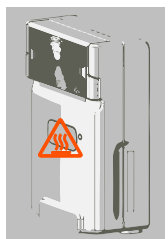
FlashQ X20 can be used on the following SONY camera models:

- α7, α7 II, α7 III, α7R, α7R II, α7R III, α7R IV, α7S, α7S II, α7S III, α7C
- α6000, α6300, α6400, α6500
- RX1, RX1R, RX1R II, RX10, RX10 II, RX10 III, RX10 IV

For updates of compatible models, refer to our product website.

Safety Warnings and Cautions

1. The photoflash (Xenon flash tube) outputs high power light energy. Avoid direct eye exposure.
2. Caution hot around the flash tube window and video light window during use.
3. Do not expose the product to rain or moisture.
4. The product contains small parts. Keep out of reach of small children to prevent accidental swallowing.
5. Do not disassemble. Electric shock may occur if high voltage circuit inside the product is touched.



Warranty





12 months warranty from the date of original purchase.


For support and inquiry, please contact us directly.

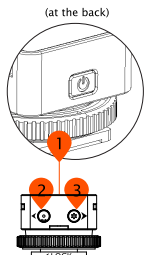
Email : info@lightpixlabs.com

Message Box : <https://lightpixlabs.com/contact>



Using FlashQ Transmitter (model X20-S)

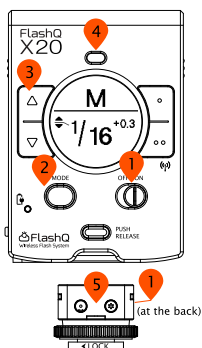
1. Press the Power button  for 2 seconds to turn on / off FlashQ Transmitter, vice versa. Special LED blink pattern indicates POWER ON.
FlashQ Transmitter blinks GREEN every 4 sec. when it is ON.
FlashQ Transmitter blinks ORANGE every 4 sec. when mounted on and recognized a SONY camera.
2. On FlashQ Transmitter, press either one button   to remote control X20's flash power ratio / video light level / Flash Exposure Compensation (FEC).
3. On FlashQ Transmitter, press the Test button  for 2 seconds to have pilot test (remote trigger X20 to fire).

Notes:
 • FlashQ Transmitter goes Auto Power OFF after 30 minutes idle.
 • To disable Auto Power OFF, press and hold the Power button  for 5 seconds to turn on FlashQ Transmitter.





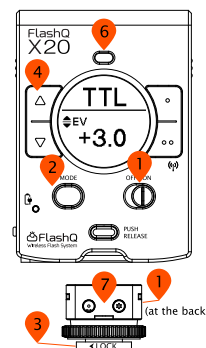
Manual Mode

1. Turn on FlashQ X20 and Transmitter.
2. Toggle the MODE button to set X20 in Manual mode.
3. Toggle the UP and DOWN buttons to adjust the flash power ratio.
4. If necessary, press the TEST button for a pilot test. (Ensure the button in SOLID GREEN before press)
5. On FlashQ Transmitter, press either one button   to remote control the flash power ratio. And FlashQ Transmitter can trigger the X20 remotely.





Wireless TTL Mode

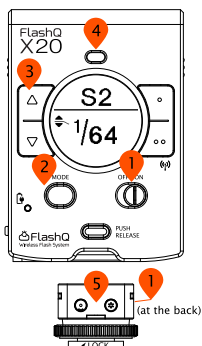
1. Turn on FlashQ X20 and Transmitter.
2. Toggle the MODE button to set X20 in TTL mode.
3. Attach FlashQ Transmitter onto a SONY camera's Mi shoe mount. Ensure that the camera enables and recognizes the external flash. (check with Product Manual of the camera)
4. Toggle the UP and DOWN buttons to adjust the Flash Exposure Compensation (FEC).
5. Press the shutter release button of camera to take photo.
6. If necessary, press the TEST button for a pilot test. (Ensure the button in SOLID GREEN before press)
7. On FlashQ Transmitter, press either one button   to remote control the Flash Exposure Compensation (FEC). And FlashQ Transmitter can trigger the X20 remotely.





S2 Mode

1. Turn on FlashQ X20 and Transmitter.
2. Toggle the MODE button to set X20 in S2 mode.
3. Toggle the UP and DOWN buttons to adjust the flash power ratio.
4. If necessary, press the TEST button for a pilot test. (Ensure the button in SOLID GREEN before press)
5. On FlashQ Transmitter, press either one button   to remote control the flash power level. In this mode, FlashQ Transmitter **cannot** trigger the X20 remotely.

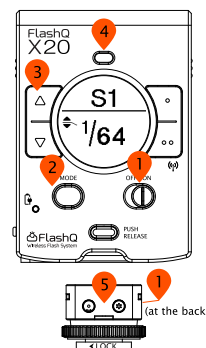
In S2 mode, FlashQ X20 synchronizes to the digital / TTL flash system. The master flash fires a pre-flash (for TTL metering / red eye reduction) and then a main flash. FlashQ X20 (in S2 mode) can ignore the pre-flash, and synchronizes to the main flash.



S1 Mode



1. Turn on FlashQ X20 and Transmitter.
2. Toggle the MODE button to set X20 in S1 mode.
3. Toggle the UP and DOWN buttons to adjust the flash power ratio.
4. If necessary, press the TEST button for a pilot test. (Ensure the button in SOLID GREEN before press)
5. On FlashQ Transmitter, press either one button   to remote control the flash power ratio. In this mode, FlashQ Transmitter **cannot** trigger the X20 remotely.

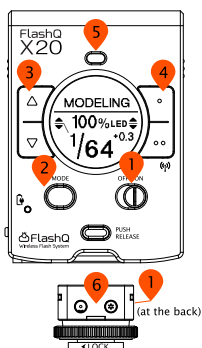
In S1 mode, FlashQ X20 synchronizes to the traditional single flash system (common in film camera). FlashQ X20 just synchronizes to the first flash.





Modeling Mode

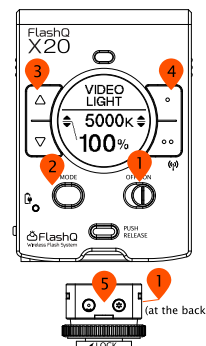
(Video light always ON for modeling purpose. Both Flash and Video light turn ON during fire triggering.)

1. Turn on FlashQ X20 and Transmitter.
2. Toggle the MODE button to set X20 in Modeling mode.
3. Toggle the UP and DOWN buttons to adjust the flash power ratio.
4. Toggle the Control buttons to adjust the modeling light level.
5. If necessary, press the TEST button for a pilot test. (Ensure the button in SOLID GREEN before press)
6. On FlashQ Transmitter, press either one button   to remote control the flash power level. And FlashQ Transmitter can trigger the X20 remotely.



Video Light Mode

1. Turn on FlashQ X20 and Transmitter.
2. Toggle the MODE button to set X20 in Video Light mode.
3. Toggle the UP and DOWN buttons to adjust the video light level.
4. Toggle the Control buttons to adjust the colour temperature of video light.
5. On FlashQ Transmitter, press either one button   to remote control the video light level.



Flash Length Range






Guide Number 20
ISO 100

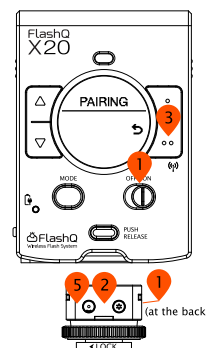
(unit: meters)

Aperture (F)	Flash Power Ratio (M: Manual mode)						
	1/1	1/2	1/4	1/8	1/16	1/32	1/64
2.8	7.1	5	3.5	2.5	1.8	1.25	0.9
4	5	3.5	2.5	1.8	1.25	0.9	0.6
5.6	3.5	2.5	1.8	1.25	0.9	0.6	0.45
8	2.5	1.8	1.25	0.9	0.6	0.45	0.3
11	1.8	1.25	0.9	0.6	0.45	0.3	0.22
16	1.25	0.9	0.6	0.45	0.3	0.22	0.15

Pairing Up FlashQ X20 and Transmitter

(For proper wireless TTL functionality, FlashQ X20 supports one-to-one pairing only.)

1. Turn on FlashQ X20 and Transmitter.
2. On FlashQ Transmitter, hold both buttons   for 3 seconds to enter Pairing Mode (blinking BLUE).
3. On X20 main body, hold the button  for 3 seconds to enter Pairing Mode
4. The system goes pairing and selects a new clear channel automatically.
5. When pairing gets success, X20 Main Body quits Pairing mode and back to the operation mode automatically. Finally press either one button   on FlashQ Transmitter to complete the pairing.



Technical Specifications

- Guide Number 20 (at ISO 100)
- Focal length coverage: 32mm (on 35mm format)
- Manual flash power ratio control from 1/1 to 1/64 (further supports 1/3 EV steps setting from 1/1 to 1/16)
- LED video light (both brightness and color temperature adjustable, Max. 60 lux output at 1 meter)
- 2.4GHz low-power digital radio, 10 meters wireless operating range
- Tilttable flash head, up to 90° and with click-stops at 0°, 45°, 60°, 75°, 90°
- Other functions: S1 / S2 optical slave, modeling light (LED)
- Transmitter per charge: 30 hours operation and 120 days standby
- Two AA-size alkaline / rechargeable Ni-MH batteries for X20 main body
- Recycling time (1/1 full power output) : 5 sec. by Ni-MH batteries / 6 sec. by fresh alkaline batteries
- Number of flashes : 100 ~ 2000 flashes
- LED lighting time: approx. 1 hour (at full power LED output and by Ni-MH batteries)
- Flash color temperature : 5600K±200K (same as daylight)
- LED color temperature : 3000~5500K adjustable, tolerance ±300K, CRI 90
- Dimensions : 59(W) × 101(H) × 30(D) mm (including FlashQ Transmitter)
- Weight : 120g (without battery)