

# FlashQ M20

## Camera Flash



### Key Features

- Compact external flash with Guide Number 20 (at ISO 100 and 32mm)
- Compatible with FUJIFILM / SONY TTL, and more (Separate Transmitter required)
- 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 M20 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.

**M20 Main Body** : A low-battery icon shows up on the display. And flash / video light may get suspended. This needs a recharge / battery replacement.

### Charging FlashQ Transmitter

- 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 M20 / Transmitter / Receiver only. Total power rating (two micro-USB outputs) is at 5V 800mA.

### Charging FlashQ M20

Highly recommend to use rechargeable Ni-MH batteries for FlashQ M20 for quick recycling time and convenience of USB charging capability.

- Charge FlashQ M20 (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 M20.

### WARNING:

- FlashQ M20 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 M20 when not in use for a prolonged period.
- Single AA-size battery cell cannot exceed 1.5V. The use of high-voltage lithium batteries is prohibited.

### FCC Warning

FCC ID: 2AT3V-M20

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.

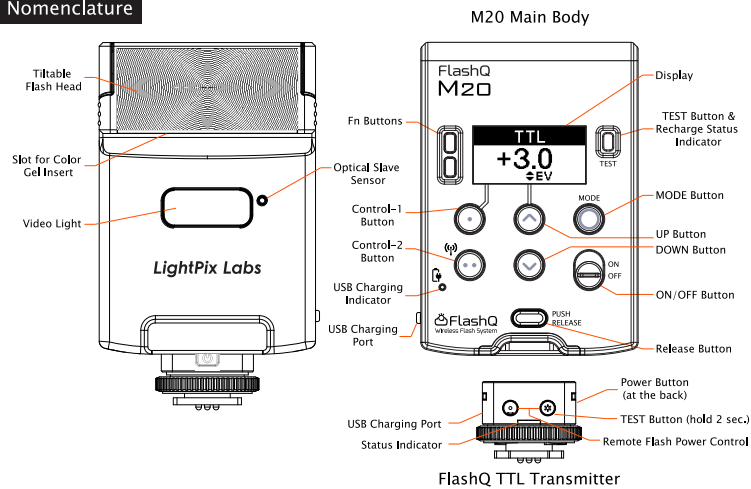
Thanks for choosing FlashQ !

Happy shooting with FlashQ System.

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2022-11 Prints

### Nomenclature



### Compatibility

FlashQ M20 for FUJIFILM can be used on the following FUJIFILM camera models:

- X-T5, X-T4, X-T3, X-T2, X-T1, X-T30, X-T20, X-T10, X-H2, X-H1, X-S10
- X-Pro3, X-Pro2, X-Pro1, X-E4, X-E3, X-E2, X-E1, X-M1, X100 series
- X-A7, X-A5, X-A3, X-A2, X-A1, X-70, X-30, X-20, X-10

FlashQ M20 for SONY can be used on the following SONY camera models:

- α7, α7 II, α7 III, α7 IV, α7R, α7R II, α7R III, α7R IV, α7S, α7S II, α7S III, α7C
- α6000, α6300, α6400, α6500, ZV-E10, ZV-1
- 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.



### Package Contents

- 1 x FlashQ M20 main body (Battery is not included)
- 1 x FlashQ TTL Transmitter (with built-in lithium battery)
  - \* Different models are available depending on the SKU selected.
  - \* FlashQ Transmitter (manual triggering, Non-TTL) is sold separately.
- 1 x Color gel pack (6 colors)
- 1 x USB charging cable (two micro-USB outputs)
- 1 x Protective pouch
- 1 x User manual

### Warranty


12 months warranty from the date of original purchase.

For support and inquiry, please contact us directly.



Email : [info@lightpixlabs.com](mailto:info@lightpixlabs.com)


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

## Using FlashQ Transmitter


1. Press the Power button  for 2 seconds to turn on / off FlashQ Transmitter, vice versa. Special LED blink pattern indicates POWER ON.

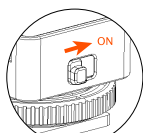
FlashQ Transmitter blinks GREEN every 4 sec. when it is ON.  
FlashQ Transmitter blinks ORANGE every 4 sec. when mounted on and recognized a compatible camera (TTL).

2. On FlashQ Transmitter, press either one button   to remote control M20's flash power ratio / video light level / Flash Exposure Compensation (FEC).

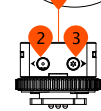
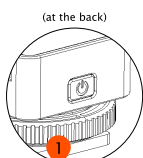
3. On FlashQ Transmitter, press the Test button  for 2 seconds to have pilot test (remote trigger M20 to fire).

### 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.

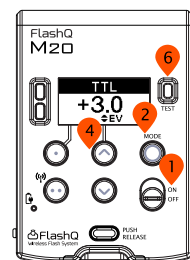


FlashQ Transmitter (Non-TTL version)







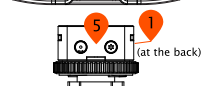
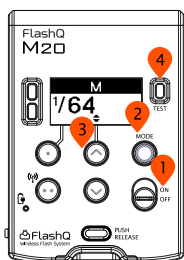
## Wireless TTL Mode

1. Turn on FlashQ M20 and Transmitter.
2. Toggle the MODE button to set M20 in TTL mode.
3. Attach FlashQ Transmitter onto a compatible camera's shoe mount. Ensure that the camera enables and recognizes the external flash. (check with Product Manual of the camera)
4. Toggle the  /  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 M20 remotely.







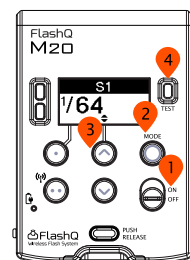
## Manual Mode

1. Turn on FlashQ M20 and Transmitter.
2. Toggle the MODE button to set M20 in Manual mode.
3. Toggle the  /  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 M20 remotely.







## S1 Mode

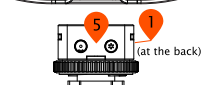
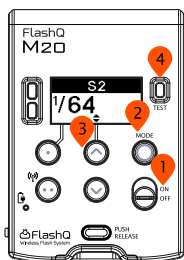
1. Turn on FlashQ M20 and Transmitter.
2. Toggle the MODE button to set M20 in S1 mode.
3. Toggle the  /  buttons to adjust the flash power ratio.
4. If necessary, press the TEST button for a pilot test. (Ensure the button in SOLID GREEN before press)
5. On FlashQ Transmitter, press either one button   to remote control the flash power ratio. In this mode, FlashQ Transmitter **cannot** trigger the M20 remotely.



In S1 mode, FlashQ M20 synchronizes to the traditional single flash system (common in film camera). FlashQ M20 just synchronizes to the first flash.

## S2 Mode







1. Turn on FlashQ M20 and Transmitter.
2. Toggle the MODE button to set M20 in S2 mode.
3. Toggle the  /  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 M20 remotely.

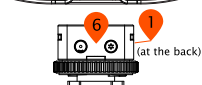
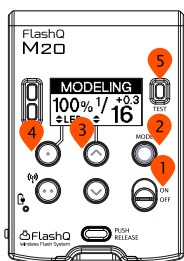


In S2 mode, FlashQ M20 synchronizes to the digital / TTL flash system. The master flash fires a pre-flash (for TTL metering / red eye reduction) and then a main flash. FlashQ M20 (in S2 mode) can ignore the pre-flash, and synchronizes to the main flash.

## Modeling Mode






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

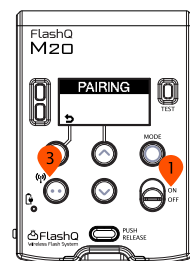
1. Turn on FlashQ M20 and Transmitter.
2. Toggle the MODE button to set M20 in Modeling mode.
3. Toggle the  /  buttons to adjust the flash power ratio.
4. Toggle the  /  buttons to adjust the modeling light level.
5. If necessary, press the TEST button for a pilot test. (Ensure the button in SOLID GREEN before press)
6. On FlashQ Transmitter, press either one button   to remote control the flash power level. And FlashQ Transmitter can trigger the M20 remotely.



## Pairing Up FlashQ M20 and Transmitter

(For proper wireless TTL functionality, FlashQ M20 supports one-to-one pairing only.)

1. Turn on FlashQ M20 and Transmitter.
2. On FlashQ Transmitter, hold both buttons   for 3 seconds to enter Pairing Mode (blinking BLUE).
3. On M20 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, M20 Main Body quits Pairing mode and back to the operation mode automatically. Finally press either one button   on FlashQ Transmitter to complete the pairing.



## 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

## 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, 9 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 M20 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) × 102(H) × 32(D) mm (including FlashQ Transmitter)
- Weight : 130g (without battery)