GODOX 神牛

QUICKER 闪客
高速影室闪光灯
Amazing "Multi-Freeze Compact Flash"

Quicker400IIM
Quicker600IIM

Made In China　　CE RoHS

中英文双语 / Chinese English Bilingual　　说明手册 / INSTRUCTION MANUAL

规格参数

型号	Quicker600IIM	Quicker400IIM
闪光模式	M/Multi/Hss (高速同步)	
1/1 档闪光指数(m ISO 100，使用标准反光罩)	76	65
闪光持续时间(t0.1)	高速闪光 (speed) 模式	1/316 秒 - 1/28984 秒(220V);	1/416 秒 - 1/35086 秒(220V);
		1/190 秒 - 1/ 19606秒(110V);	1/192 秒 - 1/ 22988秒(110V);
	色温恒定模式	1/316 秒 - 1/4246 秒(220V);	1/416 秒 - 1/4983 秒(220V);
		1/190 秒 - 1/ 3766秒(110V);	1/192 秒 - 1/ 3702秒(110V);
色温	色温恒定模式	5600±200K	5600±200K
	高速闪光 (speed) 模式	5400K~9500K	5400K~9500K
	高速同步闪光模式	4600K~5000K	4600K~5000K
功率 POWER	600WS	400WS
回电时间	约 0.05-0.9 秒	约 0.05-0.7 秒
档位范围	M	1/128~1/1	
	Hss	1/16~1/1	
	Multi	1/128~1/8	
频闪闪光	具备(最大次数:99 次;最大频率:30)	
实现同步方式	高速同步(最高 1/8000 秒),前帘同步,后帘同步	
延时引闪	0.01~30 秒	
蒙板(MASK)	√	
风扇	√	
蜂鸣器	√	
Model 造型灯	150W	
光控引闪	S1/S2	
显示闪光持续时间	√	
显示	高品质 LCD 液晶屏	
同步端口输出参数	5V	
USB端口输出参数	5V/200mA (仅限神牛接收器)	
• 无线电 2.4G 传输(X 系统)		
无线功能	从属单元, ON/OFF	
可控制从属单元组	16 组:0~9,A,B,C,D,E,F	
传输范围(约)	50m	
频道	32 组:1~32	
同步触发方式	6.35mm同步插孔，无线控制插座，内置2.4G无线传输	
尺寸	灯体直径 :Φ14CM, 含把手高 :23CM, 含保护罩长 : 41CM	
净重	约 2.96KG	

维护保养

- 闪光灯在工作时,如发现异常,应立即关掉电源,查明原因。
- 灯体应避免震动,平时注意表面除尘。
- 灯体稍有发热为正常现象,无特别需要时,勿连续引闪。
- 闪光灯的所有维修概由本厂指定可供原厂配件之维修部负责。
- 1年保修,消耗品如灯管等,不在1年保修范围。
- 经发现,擅自检修此闪光灯的,将取消闪光灯之一年保修期,维修需要收取相关费用。
- 如果本品出现故障或者被水淋湿,在专业人员维修后方可继续使用。
- 如有技术更改,恕不另行通知。

Foreword

Thank you for purchasing a GODOX product.

Thanks for choosing Quicker high-speed flash. It has wide-range applicability, not only perfect for all kinds of studio and workshop photography, but also good at capturing fast-changing actions in a chain of pictures in high-speed continuous shooting e.g. action photography, stage photography, sports photography, scientific photography, etc. In addition, in fashion or portrait photography, photographers can capture a series of fast-changing facial expressions and amazing moves, and clearly freeze each fleetingly perfect instant into eternal beauty. Among the benefits you'll enjoy:

- Ultra-speedy charging, 0.05-0.9s recycling time
- Multi-freeze shots, flash duration(t0.1) in high-speed (speed) mode can up to:

  220V 600W：1/ 28984S

  220V 400W：1/ 35086S

  110V 600W：1/ 19606S

  110V 400W：1/ 22988S

- Achieving 1/8000s high-speed sync (with high-speed trigger e.g. X1)
- Up to 10 shots in one second under high-speed continuous shooting
- Exact output control on LED display from 1/128 to 1/1
- High qualified modeling lamp, 150W output adjustable for 20 steps
- Outstanding output stability, less than 2% shifts when under the same output
- High color stability, ranging within ±200k (stable mode) between flashes over the entire power range
- Built-in X1 system (2.4G transmission)
- S1/S2 Optical slave triggering
- Delay function
- Mask function
- High qualified LCD panel

⚠ Warning

To prevent damage to the product or injury to you or to others, read the following warnings in their entirety before using this product. Keep these Warning where users can read them for ready reference.

⚠ Do not disassemble or modify. Should the product break down, send the defective back to the authorized service center for inspection and maintenance.

⚠ Keep dry. Do not handle with wet hands, immerse in water, or expose to rain.

⚠ Keep out of reach of children.

⚠ Please put the device in a ventilation environment and keep the parts of lighting and heat dissipation holes are unobstructed. Do not use in flammable environment.

⚠ As this product adopts make and break device, please keep it easy to be used.

⚠ No touching the heating parts of this product.

⚠ Please turn off the power and wear insulated gloves before installing and connecting accessories. When replacing the tube or modeling lamp, please make sure that the tube is cool and wear insulated gloves to prevent burns.

⚠ Do not flash directly towards naked eyes (especially those of babies), otherwise it may lead to visual impairment.

⚠ Disconnect from the power supply when it will not be used for an extended period.

Caution

⚠ After 30 continuous flashes at full power, the flash should be cooled down for about 3 minutes. Overheating will occur if it is used continuously without cooling down.

⚠ Do not keep using the modeling lamp for a long time; otherwise flammable accessories attaching to flash head, e.g. softbox will get burnt. A 10-minute time is recommended in this case. After 10 minutes, cool it down for 1 minute.

⚠ When using a snoot, do not keep the modeling lamp on for a long time or fire too frequently (not over six times for one minute). Overheating will result in damages for strobe housing and/or studio light.

⚠ Avoid sudden impacts as this can damage the flash tube and/or modeling lamp.

Conventions used in this Manual

● This manual is based on the assumption that both the camera and camera flash's power switches are powered on.

● Reference page numbers are indicated by "p.**".

● The following alert symbols are used in this manual:

⚠ The Caution symbol indicates a warning to prevent shooting problem.

📝 The Note symbol gives supplemental information.

Contents

Name of Parts

Body:

Light Sensor

Wireless Control Port

Umbrellas Input

Select Dial/SET Button

Sync Cord Jack

Power Switch

Fuse

AC Power Socket

((•)) /C.Fn Custom Function Button

LCD Panel

GR/CH Group/Channel Button

Modeling Lamp Indicator

MODE Mode Button

Test Indicator Lamp

S1/S2 Slave Model Button

Test Button

BUZZ Button

MOD/OFF Modeling Lamp Button

Direction Adjusting Handle

Mounting Bracket

Name of Parts

LCD Panel:

HSS

Multi Flash

Channel

S1/S2

Delay Flash

Beep

Radio (2.4G) Transmission

Over-Temperature Protection Icon

Group

Mask

High-Speed Flash Mode

Flash Output

Light Brightness of Modeling Lamp

Flash Duration

Accessories

1、Power Cord　　2、Standard Reflector　　3、Lamp Cover　　4、Glass Protection Cover　　5、Modeling Lamp
6、Instruction Manual

Separately Sold Accessories

The product can be used in combination with the following accessories sold separately, so as to achieve best photography effects:
X1 TTL Flash Trigger, Power Inverter, Softbox, Photographic Umbrella, Light Stand, Barndoor, Snoot, etc.

Operations

Flash Preparation

1. Take down the lamp cover. Install the modeling lamp and put on the glass protection cover and the standard reflector. (To uninstall the standard reflector, press the orange release button on the flash head and turn the standard reflector counter-clockwise to take it out, as illustrated in the picture.)

2. Attach the flash unit on an appropriate light stand. Adjust the mounting bracket for a good angle and make sure it's tightened and fixed. Use the direction adjusting handle to adjust the flash on a desired direction. Umbrella input is for different photo umbrellas to put in.

M: Manual Flash

The flash output is adjustable from 1/1 full power to 1/128th power in 0.1 stop increments. To obtain a correct flash exposure, use a hand-held flash meter to determine the required flash output.

1 Press <**MODE**> button so that <**M**> is displayed.

2 Turn the Select Dial to choose a desired flash output amount.

Display Flash Duration

Flash duration refers to the length of time that from flash's firing to reach the half peak at maximum. The half peak at maximum is usually expressed as t=0.5. In order to provide the photographer with more concrete data, this product adopts t=0.1. The difference between t=0.5 and t=0.1 is shown in the following picture.

A

50%

10%

t

t=0.5

t=0.1
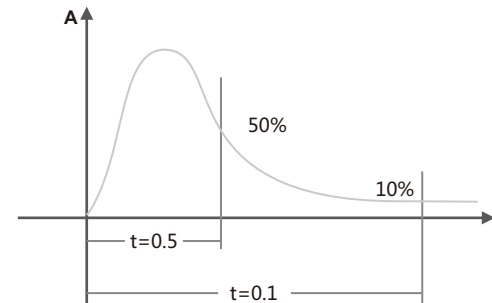
● Flash duration will only be displayed in the M mode.

Stable Color Temperature Mode or High-Speed Flash (speed) Mode can be chosen in the C.Fn-F1 setting. These two modes are effective in M/Multi mode and ineffective in high-speed sync mode.

Stable Color Temperature Mode: color temperature ranges within ±200K, which is a good choice for the photographers who pursues stable color temperature.

High-Speed Flash (speed) Mode: the max flash duration is up to t0.1=1/28984, which is perfect for capturing the fast-changing actions. As the color temperature is a little higher in this mode, please set the camera's white balance parameter to the proportional color temperature amount (see the chart below) or AWB (Auto White Balance).

220V Quicker600IIM Prototype Test

Test Environment	Darkroom	
Color Temperature Test	Equipment	SEKONIC C-700
	Testing Method	Trigger beyond 2 meters and average the amount of 3 tests.
Flash Duration (t0.1)	IGBT control the time of turning on the flash	

Stable Color Temperature Mode			High-Speed Flash (speed) Mode		
Parameter Level	Color Temperature CCT(K)	Flash Duration t0.1(S)	Parameter Level	Color Temperature CCT(K)	Flash Duration t0.1(S)
1/128	5729	1/ 4246	1/128	9335	1/ 28984
1/128+0.3	5718	1/ 4166	1/128+0.3	9108	1/ 26666
1/128+0.7	5686	1/ 3920	1/128+0.7	9010	1/ 24690
1/64	5619	1/ 3920	1/64	8535	1/ 22988
1/64+0.3	5635	1/ 3920	1/64+0.3	8205	1/ 20832
1/64+0.7	5657	1/ 3920	1/64+0.7	7698	1/ 18518
1/32	5630	1/ 3920	1/32	7367	1/ 16666
1/32+0.3	5639	1/ 3920	1/32+0.3	7151	1/ 15150
1/32+0.7	5608	1/ 3702	1/32+0.7	6856	1/ 13332
1/16	5620	1/ 3702	1/16	6579	1/ 11904
1/16+0.3	5647	1/ 3702	1/16+0.3	6440	1/ 10582
1/16+0.7	5657	1/ 3702	1/16+0.7	6216	1/ 8888
1/8	5677	1/ 3702	1/8	6126	1/ 7662
1/8+0.3	5674	1/ 3508	1/8+0.3	6072	1/ 6666
1/8+0.7	5610	1/ 2666	1/8+0.7	5954	1/ 5332
1/4	5568	1/ 2298	1/4	5907	1/ 4596
1/4+0.3	5566	1/ 1904	1/4+0.3	5867	1/ 3808
1/4+0.7	5656	1/ 1626	1/4+0.7	5837	1/ 2898
1/2	5646	1/ 1332	1/2	5844	1/ 2222
1/2+0.3	5681	1/ 1256	1/2+0.3	5738	1/ 1550
1/2+0.7	5649	1/ 832	1/2+0.7	5636	1/ 832
1/1	5549	1/ 316	1/1	5539	1/ 316

220V Quicker400IIM Prototype Test

Test Environment	Darkroom	
Color Temperature Test	Equipment	SEKONIC C-700
	Testing Method	Trigger beyond 2 meters and average the amount of 3 tests.
Flash Duration (t0.1)	IGBT control the time of turning on the flash	

Stable Color Temperature Mode			High-Speed Flash (speed) Mode		
Parameter Level	Color Temperature CCT(K)	Flash Duration t0.1(S)	Parameter Level	Color Temperature CCT(K)	Flash Duration t0.1(S)
1/128	5744	1/ 4938	1/128	9323	1/ 35086
1/128+0.3	5759	1/ 4694	1/128+0.3	9277	1/ 33332
1/128+0.7	5747	1/ 4444	1/128+0.7	9130	1/ 30302
1/64	5761	1/ 4444	1/64	8919	1/ 27776
1/64+0.3	5775	1/ 4444	1/64+0.3	8926	1/ 25640
1/64+0.7	5780	1/ 4444	1/64+0.7	8836	1/ 22222
1/32	5753	1/ 4444	1/32	8432	1/ 20202
1/32+0.3	5771	1/ 4444	1/32+0.3	8183	1/ 18518
1/32+0.7	5754	1/ 4444	1/32+0.7	7784	1/ 16666
1/16	5764	1/ 4444	1/16	7368	1/ 15150
1/16+0.3	5752	1/ 4444	1/16+0.3	6983	1/ 13332
1/16+0.7	5755	1/ 4444	1/16+0.7	6763	1/ 11494
1/8	5777	1/ 4444	1/8	6533	1/ 10100
1/8+0.3	5734	1/ 3920	1/8+0.3	6377	1/ 8546
1/8+0.7	5665	1/ 3030	1/8+0.7	6192	1/ 6872
1/4	5604	1/ 2468	1/4	6061	1/ 5648
1/4+0.3	5621	1/ 2468	1/4+0.3	5957	1/ 4566
1/4+0.7	5626	1/ 2222	1/4+0.7	5840	1/ 3508
1/2	5654	1/ 2082	1/2	5962	1/ 2656
1/2+0.3	5672	1/ 1514	1/2+0.3	5807	1/ 2014
1/2+0.7	5695	1/ 1148	1/2+0.7	5711	1/ 1148
1/1	5595	1/ 416	1/1	5579	1/ 416

⚡ₕ High-Speed Sync

In this mode, you can set the flash output from 1/1 full power to 1/16th power in 0.3 stop increments.
High Speed Sync enables the flash to synchronize with all camera shutter speeds. This is convenient when you want to use aperture priority for fill-flash portraits.

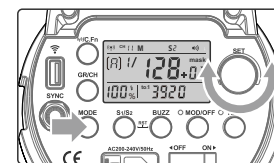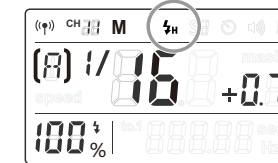**1** Press the <**MODE**> Button so that < ⚡ₕ > is displayed.

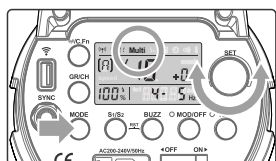**2** Turn the Select Dial to set the flash output power.

3 Please use the transmitter of X1 series.

Multi: Stroboscopic Flash

In this mode, you can set the flash output from 1/128th power to 1/8th power in 0.3 stop increments. With stroboscopic flash, a rapid series of flashes is fired. It can be used to capture a multiple images of a moving subject in a single photograph. You can set the firing frequency (number of flashes per sec. expressed as Hz), the number of flashes, and the flash output.

1 Press <**MODE**> button so that <**Multi**> is displayed.
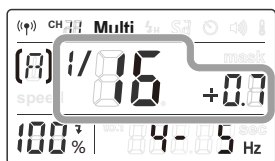
2 Turn the Select Dial to choose a desired flash output.
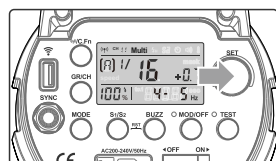
3 Set the flash frequency and flash times.
  • Press <**SET**> Button to select the flash times. Turn the Select Dial to set the number.
  • Press <**SET**> Button to select the flash frequency. Turn the Select Dial to set the number.

Calculating the Shutter Speed

During stroboscopic flash, the shutter remains open until the firing stops. Use the formula below to calculate the shutter speed and set it with the camera.

Number of Flashes / Flash Frequency = Shutter Speed

For example, if the number of flashes is 10 and the firing frequency is 5 Hz, the shutter speed should be at least 2 seconds.

ⓘ • Stroboscopic flash is most effective with a highly reflective subject against a dark background.
  • Using a tripod and a remote control is recommended.
  • A flash output of 1/1 and 1/2 cannot be set for stroboscopic flash.
  • If the number of flashes is displayed as "--", the firing will continue until the shutter closes or the battery is exhausted. The number of flashes will be limited as shown by the following table.

Maximum Stroboscopic Flashes:

Flash Output \ Hz	1	2	3	4	5	6-7	8-9	10	11	12-14	15-19	20-30
1/8	7	6	5	4	4	3	3	2	2	2	2	2
1/16(+0.3、+0.7)	14	14	12	10	8	6	5	4	4	4	4	4
1/32(+0.3、+0.7)	30	30	30	20	20	20	10	8	8	8	8	8
1/64(+0.3、+0.7)	60	60	60	50	50	40	30	20	20	20	18	16
1/128(+0.3、+0.7)	99	99	90	80	80	70	60	50	40	40	35	30

# Wireless Flash Shooting: Radio (2.4G) Transmission

QuickerII adopts built-in 2.4G wireless X system, which is perfectly compatible with other products of our company. Nikon cameras (using X1T-N, TT685N, etc.) and Canon cameras (using X1T-C, TT685C, etc.) can enjoy one or more QuickerII together.

*As a slave unit, QuickerII can be controlled by the master unit e.g. AD360II-C, AD360II-N, TT685C, TT685N, X1T-C, X1T-N, TT600, etc.
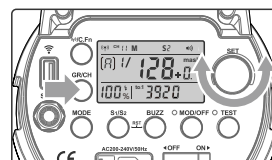
Wireless Settings

Press <((•))/**C.Fn**> Wireless Button so that < ((•)) > is displayed, entering the 2.4G wireless status now.
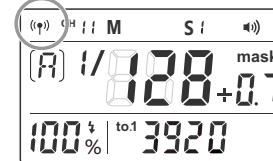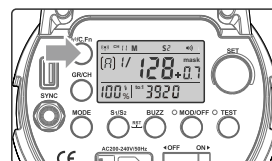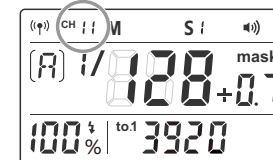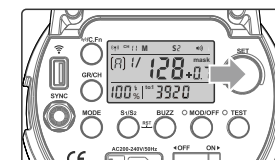

Setting the Communication Channel

If there are other wireless flash systems nearby, you can change the channel IDs to prevent signal interference. The channel IDs of the master unit and the slave unit(s) must be set to the same.

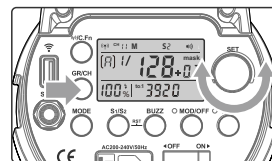**1** Long press the <**GR/CH**> Button for 2 seconds until the channel IDs is blinking.

2 Turn the Select Dial to choose the channel from 1 to 32.

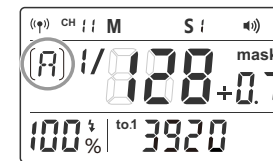**3** Press the <**SET**> Button to confirm.
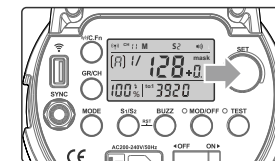
Setting the Communication Group

1 Short press the <**GR/CH**> Button for 2 seconds until the group IDs is blinking.

**2** Turn the Select Dial to choose the group from 0 to F.

**3** Press the <**SET**> Button to confirm.

Slave Trigger Model

In M manual flash mode, press **<S1/S2>** button so that this flash can function as an Optical S1 secondary flash with Optical sensor. With this function, the flash will fire synchronously when the main flash fires, the same effect as that by the use of radio triggers. This helps create multiple lighting effects.
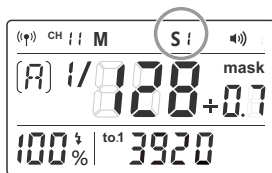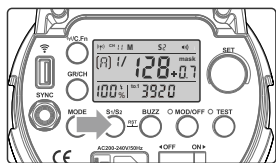
Press **< S1/S2>** button so that this flash can also function as an Optical S2 secondary flash with Optical sensor in M manual flash mode. This is useful when cameras have pre-flash function. With this function, the flash will ignore a single "preflash" from the main flash and will only fire in response to the second, actual flash from the main unit.
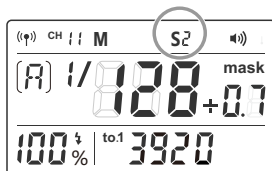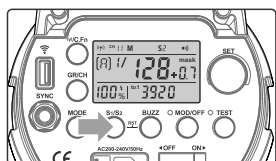
Modeling Lamp

QuickerII has a 150W modeling lamp which offers 5% to 100% light adjustment and 2 long lighting modes.

Modeling Lamp's ON/OFF and Settings:
1. When the modeling lamp is OFF, short press the Modeling Lamp Button to turn it on;
2. When the modeling lamp is ON, short press the Modeling Lamp Button to setting the light brightness. As the lighting amount is blinking, turn the Select Dial to choose.

● **Turn off the Modeling Lamp**

Long press the Modeling Lamp Button for 2 seconds to turn it off.

● **Choose the Modeling Lamp's Modes**
1. Long press the C.Fn Custom Button for 2 seconds until Fn menu is displayed.
2. Press the SET Button to choose F4.
3. Turn the Select Dial to choose the Modes:
ON: the modeling lamp will keep this status when triggering;
OFF: the modeling lamp will turn off when triggering;

Buzz Function

The Buzz Button is used to decide whether there is sound reminder for ready flash after recharging. When the buzz indicator is displayed on the LCD panel, it means the sound reminder is turned on; if not dislayed, the sound reminder is turned off.

1. A "**BI**" sound will be heard when it's fully charged.
2. A "**BI**" sound will be heard when the button and the select dial echo each other.
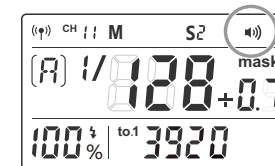
C.Fn Setting Custom Function
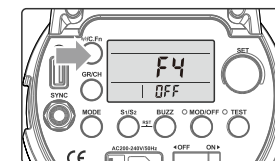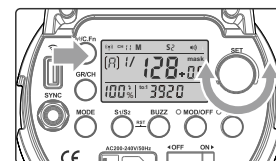
1 Long press the C.Fn Custom Button for 2 seconds until <**Fn**> menu is displayed.

2 Press the <**SET**> Button to choose Fn function signs.

3 Turn the Select Dial to change the settings. Short press the **C.Fn** Custom Button to exit.

Custom Function Signs	Function	Setting No.	Settings & Description	Restrictions
F1	Choose high-speed flash	ON	High-Speed Flash (speed) Mode	M/Multi mode
		OFF	Stable Color Temperature	
F2	Delay flash	OFF, 0.01~30S	Trigger as second curtain	M/Multi mode
F3	Mask function	OFF	Mask function is off	M mode
		N1	Mask function is on: when setting 2 times' triggering as a period, the first triggering will fire a flash.	
		N2	Mask function is on: when setting 2 times' triggering as a period, the second triggering will fire a flash.	
F4	Modeling lamp mode	ON	The modeling lamp will not change its status when triggering.	No
		OFF	The modeling lamp will turn off when triggering.	

Other Applications

Wireless Control Function

The flash unit is built in with a Wireless Control Port so that you can wirelessly adjust the power level of the flash and the flash triggering.

To control the flash wirelessly, you need a FT-16 remote control set (on-camera and on-flash). Insert its receive end into the Wireless Control Port on the flash and insert the transmit end into the camera hot shoe. Settings made on the hotshoe-mounted transmit and receive ends will be wirelessly communicated to the flash. Then you can press the camera shutter release button to trigger the flash. You can also hold the transmit end at hand to control your off-camera flash.
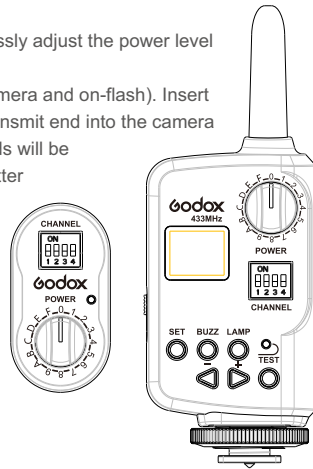
> ℹ For full instructions on the use of FT series remote control, see its user manual.

Sync Triggering

The Sync Cord Jack is a Φ6.35mm plug. Insert a trigger plug here and the flash will be fired synchronously with the camera shutter.
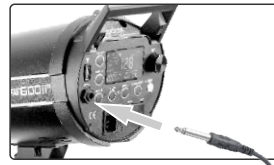
Memory Function

The device is equipped with memory function for the panel setting. It will help remember the panel setting 3 second after you set it. When starting up the flash next time, the panel setting will be the same as the status before powering it off.

Tube Replacement

Shut down the power and remove the power cord before replacing the flash tube and wear insulated gloves. Then, loosen the iron wire on the tube, keep a balanced hold on the two feet of the flash tube and pull out the old tube gently. Take down the feet casing from the old tube and put it on the new one. Hold two feet of the new tube, and target directly towards the two copper outlets, then push them slightly in. Twine the iron wire on the stainless steel sheet to fix the flash tube.

Technical Data

Model		Quicker600IIM	Quicker400IIM
Flash Mode		M/Multi/Hss(high-speed sync)	
Guide Number in 1/1 full power (m ISO 100, using standard reflector)		76	65
Flash Duration (t0.1)	High-Speed Flash (speed) Mode	1/316s - 1/28984s (220V)	1/416s - 1/35086s (220V)
		1/190s - 1/19606s (110V)	1/192s - 1/22988s (110V)
	Stable Color Temperature Mode	1/316s - 1/4246s (220V)	1/416s - 1/4983s (220V)
		1/190s - 1/3766s (110V)	1/192s - 1/3702s (110V)
Color Temperature	Stable Color Temperature Mode	5600±200K	5600±200K
	High-Speed Flash (speed) Mode	5400K~9500K	5400K~9500K
	High-Speed Sync Flash (speed) Mode	4600K~5000K	4600K~5000K
POWER		600WS	400WS
Recycle Time		Approx. 0.05-0.9s	Approx. 0.05-0.7s
Output Level	M	1/128~1/1	
	Hss	1/16~1/1	
	Multi	1/128~1/8	
Multi Flash		Yes (max. flash time: 99; max. flash frequency: 30)	
Sync Mode		High-speed sync (up to 1/8000s), first curtain sync, second curtain sync	
Delay Flash		0.01~30s	
MASK Function		✓	
Fan		✓	
Beeper		✓	
Modeling lamp		150W	
Slave Trigger Model		S1/S2	
Display Flash Duration		✓	
Display		High qualified LCD panel	
Parameters Output from the Sync Cord Jack		5V	
Parameters Output from the USB Port		5V/200mA (only for Godox receiver)	
• Radio (2.4G) Transmission (X system)			
Wireless Function		Slave unit, ON/OFF	
Controllable Slave Units		16 groups: 0~9，A,B,C,D,E,F	
Transmission Range (approx.)		50m	
Channel		32: 1~32	
Sync Triggering Mode		6.35mm sync cord jack, wireless control port, built-in 2.4G wireless transmission	
Dimension		Flash diameterΦ14CM, height of flash with handle 23CM, length of flash with lamp cover 41CM	
Net Weight		Approx. 2.96Kg	

Maintenance

● Shut down the device immediately when it works abnormally and find out the reason.
● Avoid sudden impacts and the lamp should be dedusted usually.
● It's normal for lamp being warm when in use. Avoid continuous flashes when it is not necessary.
● Maintenance of all the flashes is up to our authorized maintenance department which can provide original accessories. Users can replace the flash tube and modeling lamp provided by the manufacturer.
● One year warranty period will be cancelled when any unauthorized maintenance is found.
● If the product had failures or was wetted, it can be continuously used only after it is repaired by professionals.
● Disconnect the power when doing maintenance work or cleaning.
● New changes made to the specifications or designs may not be updated in this manual.

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