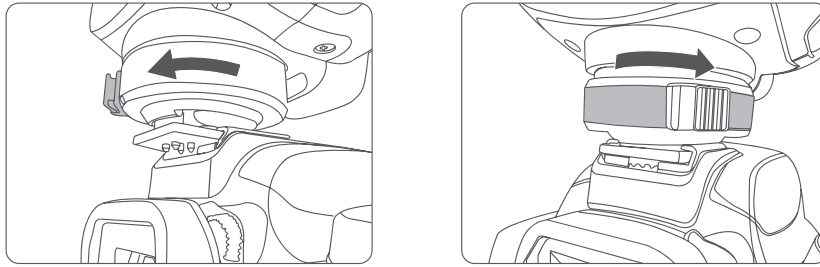
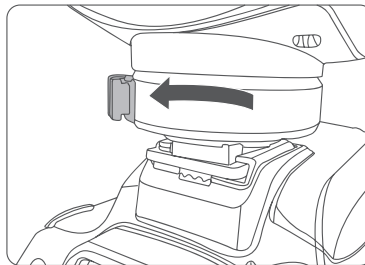


Installing/Disassembling the Camera Flash

Installing the camera flash: Rotate the hot shoe fixing buckle to the left, insert the camera flash into the camera's hot shoe. Then rotate it to the right until it locks up.



Disassembling the camera flash: Press and rotate the hot shoe fixing buckle to the left until it is loosened, then take off the camera flash.

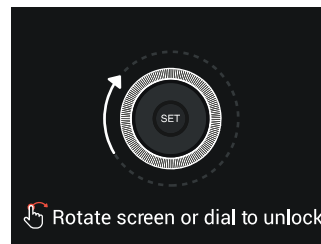


⚠ Be sure to power off the camera and flash when installing and disassembling the flash to prevent damage to the devices.

Power Management

Power On: Long press the power switch button until the < SET > icon appears on the panel, then slide the screen or rotate the select dial in the direction showed on the panel to turn it on.

Note: The screen backlight automatically turns off after 15 seconds of no operation in power-on status, and it can be lit up by touching.



Standby: Setting as wi-off/sender mode when the standby function is on, the flash will enter standby mode automatically after a certain period (approx. 90 seconds) of idle use. Press the camera shutter halfway or press any button will wake up the flash unit.

Auto Off:

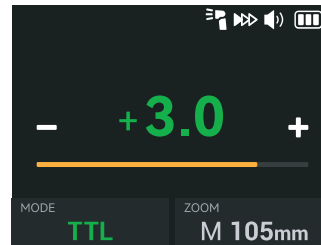
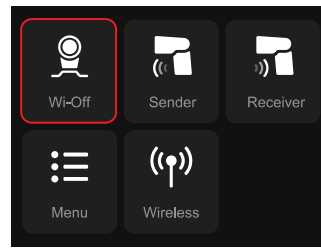
Setting as wi-off/sender mode when the auto off function is on, the flash will automatically shut down after 60 minutes (or 30 minutes, 90 minutes) of idle use.

Setting as receiver mode and the auto off function is on, the flash will automatically shut down after 60 minutes (or 30 minutes, 90 minutes) of idle use. The auto off function can be turned off manually when using off-camera as a receiver unit.

Wi-Off Mode

Touch Screen: Slide the screen from the left to the right to make the mode interface appears, click the “Wi-Off” icon to enter Wi-Off mode.

Buttons and Select Dial: Press the power switch button to make the mode interface appears, rotate the select dial and press the set button to choose and enter Wi-Off mode.

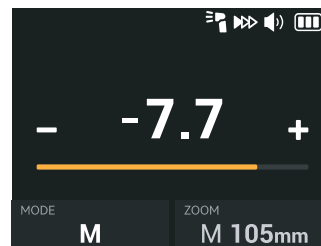


M: Manual Flash

The flash output is adjustable from 1/1 to 1/256 or from 2.0 to 10 with 0.1 or 0.3 increment each step. To obtain a correct flash exposure, use a hand-held flash meter to determine the required flash output.

Touch Screen: Click the “MODE” icon to switch to M mode, press the – or + icon to adjust the power with ± 0.1 or ± 0.3 increment each step, or directly pull the progress bar to achieve quick adjustment.

Buttons and Select Dial: Rotate the select dial and press the set button to choose “MODE” icon, then rotate and press again to choose “M”. Rotate up to choose the power value, then rotate and press again to adjust power with ± 0.1 or ± 0.3 increment each step, quick adjustment is also available by fast rotation.



S1 Photocell Unit Setting

In M manual flash mode, this flash can function as an optic S1 secondary flash with optic sensor. With this function, the flash will fire synchronously when the main flash fires, the same effect as that by the use of wireless triggers. This helps create multiple lighting effects.

S2 Photocell Unit Setting

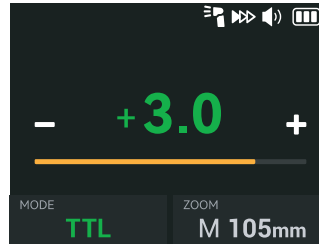
In M manual flash mode, this flash can also function as an optic S2 secondary flash with optic sensor. This is useful when cameras have pre-flash function. With this function, the flash will ignore a single “pre-flash” from the main flash and will only fire in response to the second, actual flash from the main flash.

-  1. S1 and S2 Photocell triggering is only available in M manual flash mode.
2. Enter menu setting to switch between S1/S2 Photocell or turn off this function.

TTL: TTL Auto Flash

In TTL mode, the camera's metering system detects the flash reflected from the subject and automatically adjusts the flash output so that the subject and background are evenly exposed.

Touch Screen: Click the "MODE" icon to switch to TTL mode, press the – or + icon to adjust the FEC amount among ± 3 with $\pm 1/3$ increment each step, or directly pull the progress bar to achieve quick adjustment.



Buttons and Select Dial: Rotate the select dial and press the set button to choose "MODE" icon, then rotate and press again to choose "TTL". Rotate up to choose the FEC amount, then rotate and press again to adjust the FEC amount among ± 3 with $\pm 1/3$ increment each step, quick adjustment is also available by fast rotation.

- Press the camera shutter halfway to focus. The effective flash range will be displayed in the LCD panel.

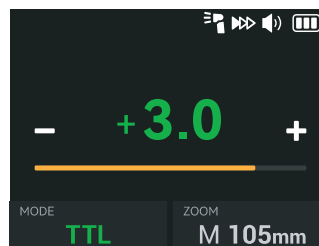
ZOOM: Setting the Flash Coverage

The flash coverage can be set automatically or manually. In auto zoom mode, the focal length changes in response to the camera's zoom lens to provide optimal flash results.

Auto Zoom Mode: A-mm, and the flash coverage will be set automatically.

Manual Zoom Mode: 28mm-105mm

Touch Screen: Click the "ZOOM" icon to switch between auto zoom(A--mm) mode or manual zoom mode.



Buttons and Select Dial: Rotate the select dial and press the set button to choose "ZOOM" icon, then rotate and press again to choose the needed zoom mode.

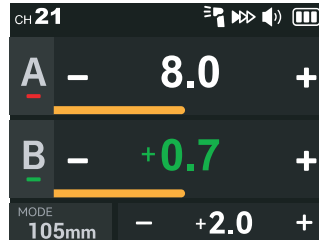
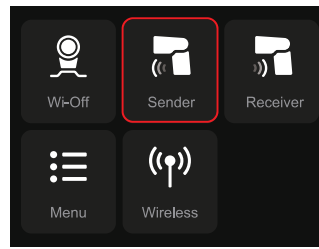
⚠ If you set the flash coverage manually, make sure it covers the lens focal length so that the picture will not have a dark periphery.

Sender Mode

Touch Screen: Slide the screen from the left to the right to make the mode interface appears, click the “Sender” icon to enter sender mode, slide upward can check more groups.

Buttons and Select Dial: Press the power switch button to make the mode interface appears, rotate the select dial and press the set button to choose and enter sender mode, rotate the select dial can check more groups.

The wireless is turned on by default in sender mode.



Group

Five groups: A, B, C, D, E

M: Manual Flash—Flash Power

Touch Screen: Press and hold the group box to switch among M (manual) flash, TTL auto flash and OFF. If the value inside is in white color, this group is in M (manual) flash mode. The flash power is adjustable by clicking the – or + icon, or quickly adjustable by pulling the progress bar.

Buttons and Select Dial: Rotate the select dial and press the set button to choose and enter a certain group, press and hold the set button to switch among M (manual) flash, TTL auto flash and OFF. If the value inside is in white color, this group is in M (manual) flash mode. The flash power is adjustable by rotating the select dial, then press the set button to exit.

TTL Auto Flash—Flash Exposure Compensation Amount

Touch Screen: Press and hold the group box to switch among M (manual) flash, TTL auto flash and OFF. If the value inside is in green color, this group is in TTL auto flash mode. The flash compensation amount is adjustable by clicking the – or + icon, or quickly adjustable by pulling the progress bar.

Buttons and Select Dial: Rotate the select dial and press the set button to choose and enter a certain group, press and hold the set button to switch among M (manual) flash, TTL auto flash and OFF. If the value inside is in green color, this group is in TTL auto flash mode. The flash compensation amount is adjustable by rotating the select dial, then press the set button to exit.

Adjust the Parameters Uniformly

Touch Screen: Click the – or + icon can increase or decrease the flash power or FEC amount uniformly.

Buttons and Select Dial: Rotate the select dial and press the set button to choose and enter a certain group, press the set button to enter uniform adjustment and rotate the select dial to increase or decrease the flash power or FEC amount uniformly, then press the set button to exit.

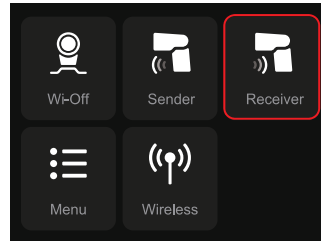
ZOOM: Setting the Flash Coverage

You can choose auto zoom mode or manual zoom mode (28mm-105mm). The details of which please refer to the ZOOM section in the Wi-Off mode above.

Receiver Mode

Touch Screen: Slide the screen from the left to the right to make the mode interface appears, click the "Receiver" icon to enter receiver mode.

Buttons and Select Dial: Press the power switch button to make the mode interface appears, rotate the select dial and press the set button to choose and enter receiver mode.



The wireless is turned on by default in receiver mode.

Group

Five receiver groups: A, B, C, D, E

Touch Screen: Click the group icon to switch groups.

Buttons and Select Dial: Rotate the select dial to choose the group icon, then press the set button to enter group settings and rotate the select dial to switch groups, finally press the set button again to exit.

TTL: TTL Auto Flash

Touch Screen: Click the "MODE" icon to switch to TTL mode.

Buttons and Select Dial: Rotate the select dial to choose the "MODE" icon, then press the set button to enter MODE settings and rotate the select dial to switch to TTL mode, finally press the set button again to exit.

 The details of which please refer to the section Wi-Off mode → TTL auto flash above.

M: Manual Flash

Touch Screen: Click the "MODE" icon to switch to M mode.

Buttons and Select Dial: Rotate the select dial to choose the "MODE" icon, then press the set button to enter MODE settings and rotate the select dial to switch to M mode, finally press the set button again to exit.

 The details of which please refer to the section Wi-Off mode → M: manual flash above.

Flash Power Settings

The flash power adjustable from 1/256 to 1/1 or from 2.0 to 10 when choosing M (flash) mode.

Touch Screen: The flash power is adjustable by clicking the – or + icon, or quickly adjustable by pulling the progress bar.

Buttons and Select Dial: Rotate the select dial to choose the flash power box, press the set button to enter flash power settings and rotate the select dial to adjust, finally press the set button again to exit.

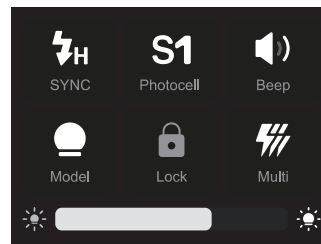
ZOOM: Setting the Flash Coverage

You can choose auto zoom mode or manual zoom mode (28mm-105mm). The details of which please refer to the ZOOM section in the Wi-Off mode above.

Other Functions

Touch Screen: When in Wi-Off/Sender/Receiver mode, slide the screen down to make other functions appear, slide up to return to the main interface.

Buttons and Select Dial: When in Wi-Off/Sender/Receiver mode, short press the power switch button twice to make other functions appear, press it again to return to the main interface.



Sync Mode

⚡ High-speed Sync

High speed sync (FP flash) enables the flash to synchronize with all camera shutter speeds. This is convenient when you want to use aperture priority for fill-flash portraits.

▶▶ Second-curtain Sync

With a slow shutter speed and second-curtain sync, you can create a light train following the subject. The flash fires right before the shutter closes.

Touch Screen: Click the "SYNC" icon to switch sync mode.

Buttons and Select Dial: Rotate the select dial to choose "SYNC" icon, then press the set button to switch sync mode.

Photocell

Touch Screen: Click the "Photocell" icon to switch among OFF, S1 or S2.

Buttons and Select Dial: Rotate the select dial to choose "Photocell" icon, then press the set button to switch among OFF, S1 or S2.

⚠ The details of which please refer to the M: manual flash section in the Wi-Off mode above.

🔊 Beep

The flash will fire with a prompt tone if the beep is turned on.

Touch Screen: Click the "Beep" icon to turn on or off the beep.

Buttons and Select Dial: Rotate the select dial to choose "Beep" icon, then press the set button to turn on or off the beep.

Modeling Lamp

Touch Screen: Click the “Model” icon to turn on or off the modeling lamp. The brightness of it is adjustable from 1 to 10 by pulling the progress bar down when it’s turned on.

Buttons and Select Dial: Rotate the select dial to choose “Model” icon, then press the set button turn on or off the modeling lamp. When the modeling lamp is on, its brightness is adjustable from 1 to 10 by rotating the select dial and pressing the set button after selecting the progress bar down, then press the set button again to exit.

Screen Lock

Touch Screen: Click the “Lock” icon to turn on the screen lock, press and hold for 2s to unlock.

Buttons and Select Dial: Rotate the select dial to choose “Lock” icon, then press the set button to turn on the screen lock, press and hold for 2s to unlock.

Multi Flash

With slow shutter speed in multi flash mode, a rapid series of flashes is fired. It can be used to capture multiple images of a moving subject in a single photograph.

You can set the flash frequency (number of flashes per sec. expressed as Hz), the number of flashes, and the flash output.

Flash output range: 1/256-1/4 or 2.0-8.0.

Number of flashes: 1-100

Flash frequency: 1-100

ZOOM range: auto zoom or manual zoom.

Touch Screen: Click the “Multi” icon to turn on or off the multi flash. When the multi flash is turned on, slide the screen up can adjust the parameters. Slide the number in front of “Times” can adjust the number of flashes, slide number in front of “Hz” can adjust the flash frequency, click the – or + icon can adjust the flash power, press the “ZOOM” icon down to enter the ZOOM setting interface and choose auto zoom or manual zoom, then adjust the ZOOM value. Finally press the return icon to back to the multi flash interface.

Buttons and Select Dial: Rotate the select dial to choose “Multi” icon, then press the set button to turn on or off the multi flash. When the multi flash is turned on, press the power switch button to make the parameters interface appears, then the flash power, number of flashes, flash frequency and ZOOM value are all adjustable by rotating the select dial, finally press the set button again to exit.

Calculating the Shutter Speed

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

$$\text{Number of Flashes} \div \text{Flash Frequency} = \text{Shutter Speed}$$

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

! To avoid overheating and deteriorating the flash head, do not use multi flash more than 10 times in succession. After 10 times, allow the camera flash to rest for at least 15 minutes. If you try to use the multi flash more than 10 times in succession, the firing might stop automatically to protect the flash head. If this happens, allow at least 15 minutes' rest for the camera flash.

- i**
1. Multi flash is most effective with a highly reflective subject against a dark background.
 2. Using a tripod and TTL flash trigger XPROII is recommended.
 3. A flash output of 1/1 and 1/2 cannot be set for multi flash.
 4. Multi flash can also be used with "buLb" mode.
 5. Multi flash mode cannot be set in high-speed sync mode.
 6. Please turn off the multi flash when not using, otherwise TTL flash and M flash are not available.

Maximum Time of Consecutive Flashes

Number of Flashes Flash Output	Flash Frequency(Hz)	1	2	3	4	5	6-7	8-9
1/4		8	6	4	3	3	2	2
1/8		14	14	12	10	8	6	5
1/16		30	30	30	20	20	20	10
1/32		60	60	60	50	50	40	30
1/64		90	90	90	80	80	70	60
1/128		100	100	100	100	100	90	80
1/256		100	100	100	100	100	90	80

Number of Flashes Flash Output	Flash Frequency(Hz)	10	11	12-14	15-19	20-50	60-100
1/4		2	2	2	2	2	2
1/8		4	4	4	4	4	4
1/16		10	8	8	8	8	8
1/32		20	20	20	18	16	12
1/64		50	40	40	35	30	20
1/128		70	70	60	50	40	40
1/256		70	70	60	50	40	40

Wireless Settings

Touch Screen: Slide the screen from the left to the right to make the mode interface appears, click the "Wireless" icon to enter wireless mode. Then slide from the left to the right to return to the main interface.

Channel	ID
28	28
29	29
30	30
SCAN	SYNC

Buttons and Select Dial: Press the power switch button to make the mode interface appears, rotate the select dial and press the set button to choose and enter wireless mode. Short press the power switch button to return to the main interface.

Scan the Spare Channel

You can scan the spare channel to avoid the interference of using the same channel by others.

Touch Screen: Click the "SCAN" icon to start scanning, and the 8 spare channels will be displayed, click your desired channel.

Buttons and Select Dial: Rotate the select dial to choose "SCAN" icon, then press the set button to start scanning, and the 8 spare channels will be displayed, rotate the select dial and press the set button to choose your desired channel.

Channel Settings

If there are other wireless flash systems nearby, you can change the wireless channels to prevent signal interference. The wireless channels (01-32) of the sender unit and the receiver unit(s) must be set to the same.

Touch Screen: Slide the "Channel" box to choose your desired channel.

Buttons and Select Dial: Rotate the select dial to choose "Channel" box, then press the set button to enter channel settings, rotate the select dial and press the set button to choose your desired channel, finally press the set button to exit.

ID Settings

Change the wireless ID to avoid interference for it can only be triggered after the wireless IDs (OFF/01-99) of the sender unit and the receiver unit are set to the same.

Touch Screen: Slide the "ID" box to turn off the ID, or choose your desired ID.

Buttons and Select Dial: Rotate the select dial to choose "ID" box, then press the set button to enter ID settings, rotate the select dial and press the set button to choose your desired ID, finally press the set button to exit.

Wireless Sync

The wireless sync function helps the sender and receiver to quickly set the same channel and ID.

Receiver Wireless Sync

Preconditions:

1. Set V480 to sender mode and the "Sender" icon on the panel is yellow.
2. Assume retro camera flash Lux Master as the receiver.

Touch Screen: Click the "SYNC" icon on both V480 and Lux Master.

Buttons and Select Dial: Rotate the select dial on V480 to choose "SYNC" icon, then press the set button. Rotate the select dial on Lux Master to choose "SYNC" icon, then press the SET button.

Sender Wireless Sync

Preconditions:

1. Set V480 to receiver mode and the "Receiver" icon on the panel is yellow.
2. Assume flash trigger X3 as the sender.

Touch Screen: Click the "SYNC" icon on both V480 and X3.

Buttons and Select Dial: Rotate the select dial on V480 to choose "SYNC" icon, then press the set button. Rotate the select dial on X3 to choose "SYNC" icon, then press the select dial.

When the sender unit and receiver unit are both V480, wireless sync is also available.

Menu

Touch Screen: Slide the screen from the left to the right to make the mode interface appears, click the "Menu" icon to enter the menu interface. Then slide from the left to the right to return to the main interface.

Buttons and Select Dial: Press the power switch button to make the mode interface appears, rotate the select dial and press the set button to choose and enter the menu interface. Short press the power switch button to return to the main interface.

Due to the difference in the menu order of different models, the specific menu ordering is subject to the actual product models, the following only explains the menu functions.

Icon	Function	Options	Description
	Sender Flash	Off	Sender flash off
		On	Sender flash on
	Power Type	1/256	0.1 0.3 Minimum power step is 1/256, 0.1 or 0.3 increment are available for choice
		2.0	0.1 0.3 Minimum power step is 2.0, 0.1 or 0.3 increment are available for choice
	TCM	On	Flash value of TTL mode can be converted to the power value of M mode
		Off	Turn off this function
	m/ft	m	Meter
		ft	Feet
	Standby	On	Automatically standby after the set time (90 seconds) of idle use.
		Off	Do not automatically standby after the set time (90 seconds) of idle use.
	Auto Off	Off	Turn off auto power off function
		30 min	1. Setting as wi-off/sender mode when the standby function is off, the flash will automatically shut down after 30 minutes of idle use. 2. Setting as receiver mode, the flash will automatically shut down after 30 minutes of idle use.
		60 min	1. Setting as wi-off/sender mode when the standby function is off, the flash will automatically shut down after 60 minutes of idle use. 2. Setting as receiver mode, the flash will automatically shut down after 60 minutes of idle use.
		90 min	1. Setting as wi-off/sender mode when the standby function is off, the flash will automatically shut down after 90 minutes of idle use. 2. Setting as receiver mode, the flash will automatically shut down after 90 minutes of idle use.
	Model	Continue	The modeling lamp is constant on when flashing.
		Interrupt	The modeling lamp automatically turns off when flashing.
	Screen	/	Screen brightness is steplessly adjustable.
		30 sec	Screen standby after 30 seconds of idle use.
		1 min	Screen standby after 1 minute of idle use.
		2 min	Screen standby after 2 minute of idle use.
		3 min	Screen standby after 3 minute of idle use.
	Language	Simplified Chinese	Simplified Chinese system
		English	English system
	Factory Reset	Cancel	Cancel factory reset
		Apply	Factory reset
	Device Info	/	Display the device model and firmware version

Wireless Flash Shooting (2.4G Wireless Transmission)

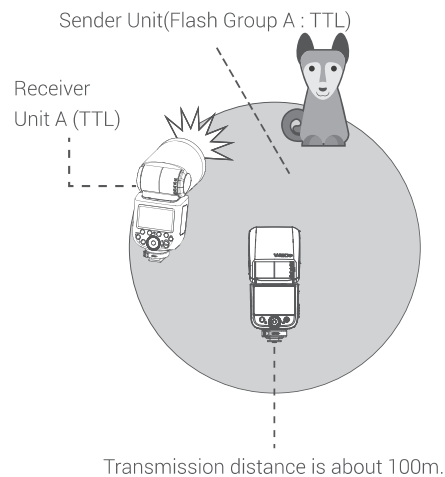
This chapter mainly explains how to perform wireless multiple shooting with 2.4G wireless transmission by using V480 as the sender unit (refer to as "sender unit" below) and Godox flashes with 2.4G wireless receiving function such as V480, AD100PRO or V860III as the receiver unit (refer to as "receiver unit" below).

⚠ The channel, group, and ID of the sender and receiver units should be set to the same, details of which please refer to the wireless settings section above.

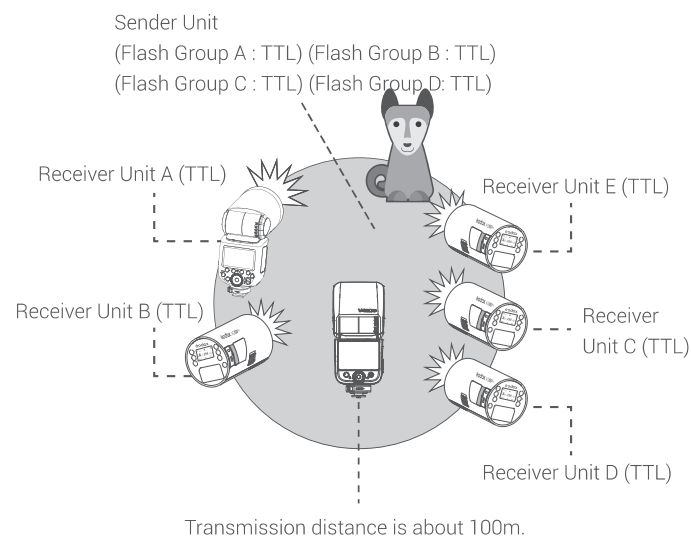
TTL: Wireless Multiple Flash Shooting in TTL Auto Flash Mode

Set the flash groups (A, B, C, D and E) of V480 (sender unit) as <TTL>, no need to set the receiver units and they will perform wireless multiple flash shooting in auto flash. Set the FEB value on sender unit, no need to set the receiver units and they will follow the sender.

● Auto Flash Shooting with One Receiver Unit



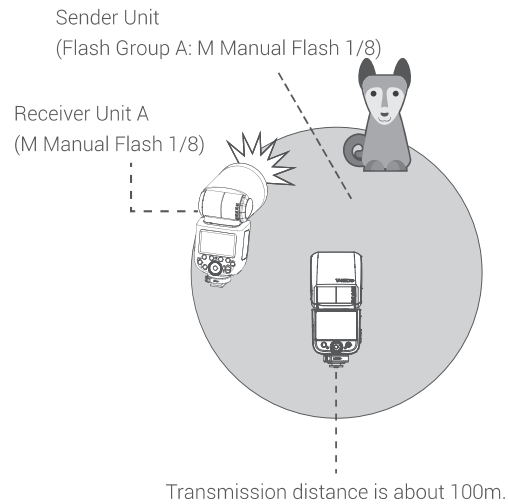
● Auto Flash Shooting with Multiple Receiver Units



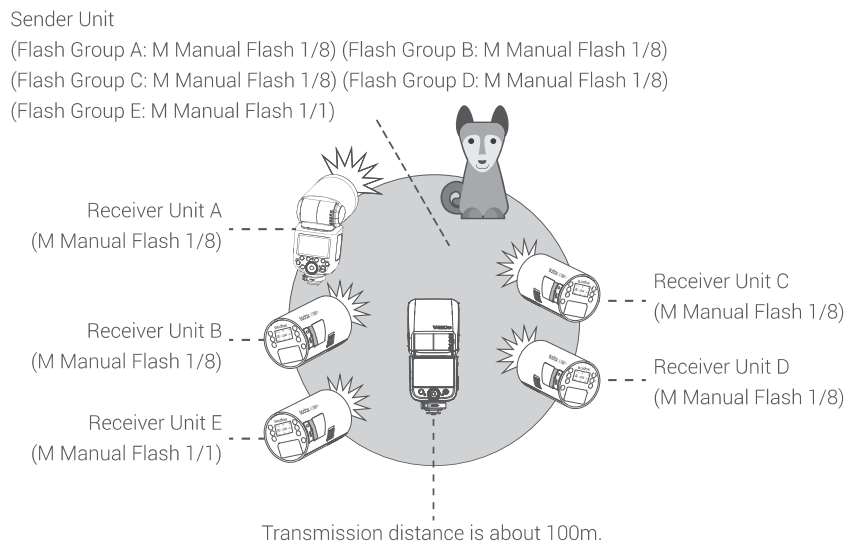
M: Wireless Multiple Flash Shooting in M Manual Flash Mode

Set the flash groups (A, B, C, D and E) of V480 (sender unit) as either the same or different flash output power, no need to set the receiver units and they will perform wireless multiple flash shooting by following the sender.

● Manual Flash Shooting with One Receiver Unit

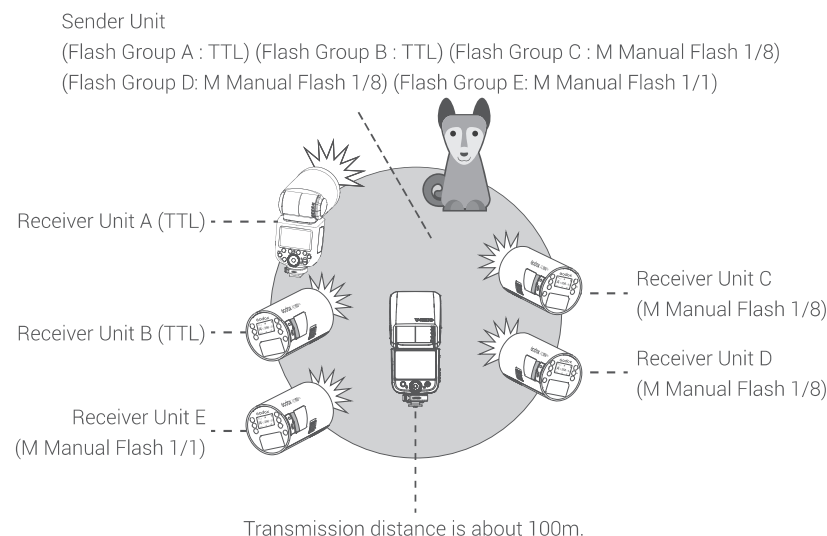


● Manual Flash Shooting with Multiple Receiver Units



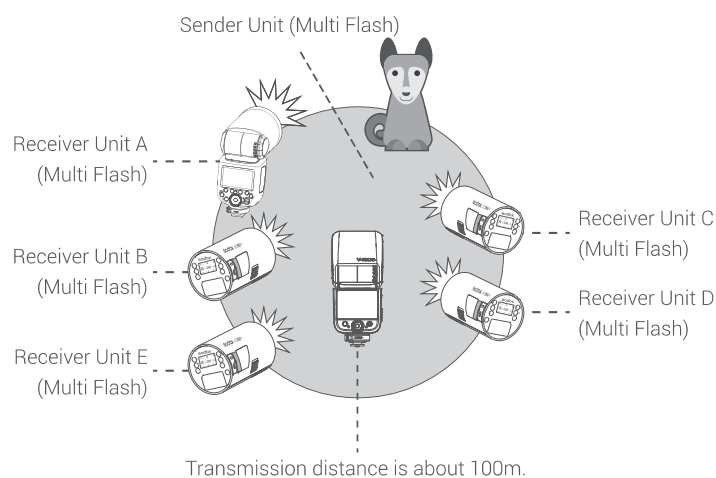
Wireless Multiple Flash Shooting in Different Flash Modes

Set the flash groups (A, B, C, D and E) of V480 (sender unit) as the different flash modes, no need to set the receiver units and they will perform wireless multiple flash shooting in different flash modes. Set the FEB value on sender unit, no need to set the receiver units and they will follow the sender.



Wireless Multiple Flash Shooting in Multi Flash Mode

Set the V480 (sender unit) to multi flash mode, no need to set the receiver units (A, B, C, D and E) and they will perform wireless multiple flash shooting with the sender unit. Set the flash output value, number of flashes and flash frequency on sender unit, no need to set the receiver units and they will follow the sender. Each sender unit can set up to five groups of multi flashes.



Other Applications

Sync Triggering

The sync cord jack is a $\Phi 2.5\text{mm}$ plug. Insert a trigger plug here and the flash will be fired synchronously with the camera shutter.

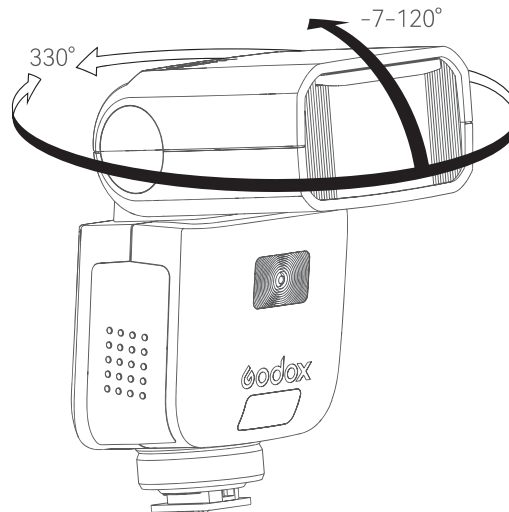
Modeling Flash

If the camera has a depth-of-field preview button, pressing it will fire the flash continuously for 1 second. This is called modeling flash. It enables you to see the shadow effects on the subject and the lighting balance. You can fire the modeling flash during wireless or normal flash shooting.

- ⚠ 1. To avoid overheating and deteriorating the flash head, do not fire the modeling flash for more than 10 consecutive times. If you fire the modeling flash 10 consecutive times, allow at least 10 minutes' break for the camera flash.
2. The modeling flash cannot be fired with the Canon EOS 300 and Type-B cameras.

Bounce Flash

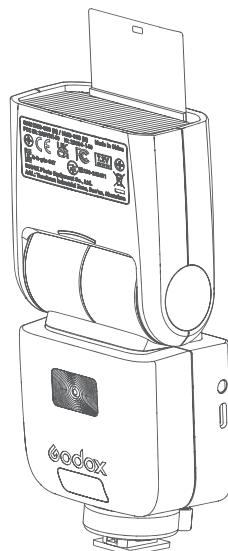
By pointing the flash head toward a wall or ceiling, the flash will bounce off the surface before illuminating the subject. This can soften shadows behind the subject for a more natural-looking shot. This is called bounce flash.



- i 1. If the wall or ceiling is too far away, the bounced flash might be too weak and result in underexposure.
2. The wall or ceiling should be a plain, white color for high reflectance. If the bounce surface is not white, a color cast may appear in the picture.

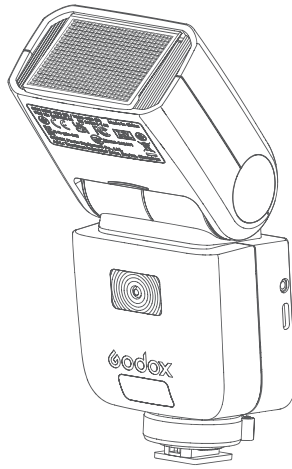
Use Reflector to Take Photos

Pull out the built-in reflector and wide-angle diffuser from the flash head at the same time and then push the wide-angle diffuser back. In such case, if this product is being used to take photos, it will produce a highlighted point on the eyes of the subject and thus make the eyes charming (catch lights). This function can reach optimal effect when the flash head is up 90°.



Use Wide-angle Diffuser to Take Photos

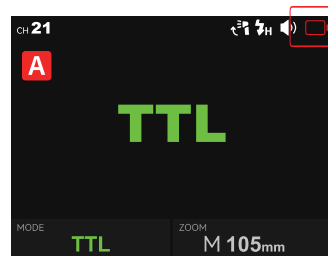
Pull out the built-in wide-angle diffuser to enlarge flash lighting range, so as to get more softened and natural lighting effect.



⚠ The ZOOM value is fixed at 14mm when the wide-angle diffuser is pulled out.

Low Battery Warning

If the battery power is low, the  icon will turn red. Please replace or charge the battery immediately.



Control with the Camera's Menu

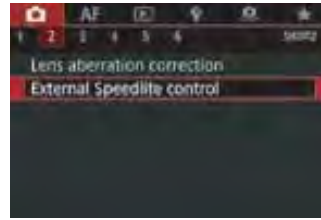
If the camera flash is attached to an EOS camera which has a camera control function, the flash can be controlled using the camera's menu screen.

The functions that can be set are as follows. The available settings vary depending on the flash mode, wireless flash function settings, and other conditions.

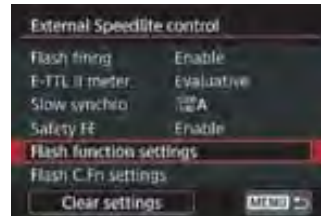
Function	
Flash Firing	On/Off
E-TTL Balance	Ambience priority/Standard/Flash priority
TTL Metering	Evaluative (Face priority) / Evaluative / Average
Continuous Flash Control	E-TTL shooting every time / E-TTL shooting for the first time
Flash synchronization speed in aperture-priority mode	
Flash Mode	TTL flash metering (auto flash) /manual flash/multi flash (stroboscopic)
Wireless Functions	Wireless flash: Off/Radio transmission
Zoom (Flash Coverage)	
Shutter Sync	First-curtain Sync/Second-curtain Sync /High-speed Sync
Flash Exposure Compensation	

Setting Camera Flash Functions

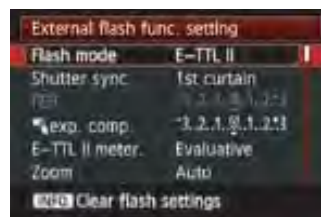
1. Select <Flash control> or <External Speedlite control>.



2. Select <Flash function settings> or <External func. setting>.



3. The setting screen and items displayed vary depending on the camera.



1. To clear all custom function settings, you can enter the [Clear settings] in step 2 and select [Clear all Speedlite C.Fn's] or [Clear ext. flash C.Fn set.].
2. If flash exposure compensation has already been set with the camera flash, flash exposure compensation cannot be set with the camera. To set it with the camera, the camera flash's flash exposure compensation must be set to zero.
3. If any flash custom functions and flash settings other than flash exposure compensation have been set by both the camera and the flash, the latest settings will take effect.

Protection Function

Over-Temperature Protection

- To avoid overheating and deteriorating the flash head, do not fire more than the mentioned below continuous flashes in fast succession at 1/1 full power, or fire more than 60 continuous flashes in fast succession at 1/1 full power in HSS mode.
- If you fire more than the mentioned flashes and then fire more flashes in short intervals, the inner over-temperature protection function may be activated and make the recycle time over 10 seconds. If this occurs, allow a rest time of about 10 minutes, and the flash unit will then return to normal.
- When the over-temperature protection is started, the icon <🔥> is shown on the LCD display.

Number of flashes that will activate over-temperature protection:

Number of Flash Flash Power Focal Length	14mm	24mm	28mm	35mm	50mm	70mm	80mm	105mm
1/1	40	40	50	60	60	75	75	80
1/2	60	60	75	91	91	114	114	120
1/4	120	120	150	182	182	231	231	240
1/8	300	300	300	300	300	300	300	300
1/16	1200	1200	1200	1200	1200	1200	1200	1200
1/32	3500	3500	3500	3500	3500	3500	3500	3500
1/64								
1/128								
1/256								

Number of flashes that will activate over-temperature protection in HSS mode:

Power Output Level	Number of Flashes
1/1	60
1/2	75
1/4	100
1/8	
1/16	
1/32	
1/64	
1/128	
1/256	

Other Protections

The system provides real-time protection to secure the device and your safety. The following lists prompts for your reference:

Display	Meaning
Error1	A failure occurs on the recycling system so that the flash cannot fire. Please restart the flash unit. If the problem still exists, please send this product to a maintenance center.
Error3	The voltage on two outlets of the flash tube is too high. Please send this product to a maintenance center.
Error5	Abnormalities in the flash circuit. Please send this product to a maintenance center.
Error9	There are some errors occurred during the upgrading process. Please using the correct firmware upgrade method.