Manuals+ — User Manuals Simplified.

Godox TT685IIO Thinklite TTL Camera Flash Instruction Manual

Contents

Godox

Godox TT685IIO Thinklite TTL Camera Flash
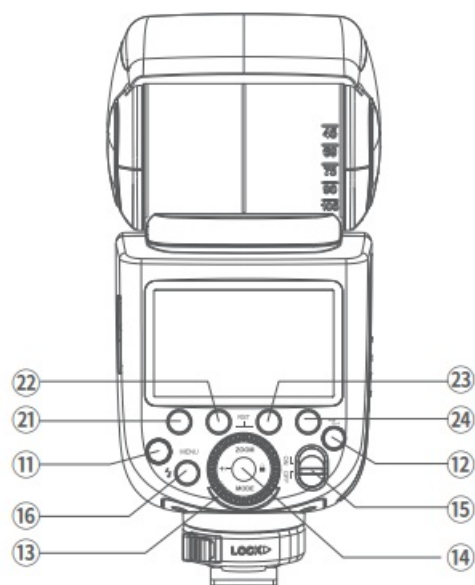
Name of Parts
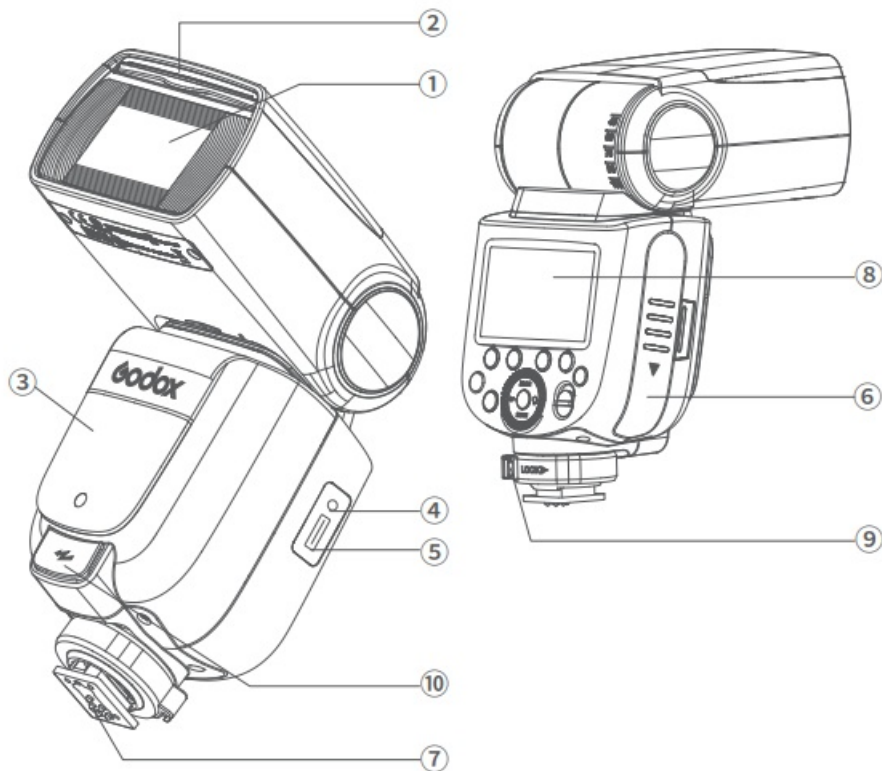
Body

1. Flash Head
2. Built-in Wide Panel
3. Wireless Sensor
4. Sync Cord Jack
5. Type-C USB Port

6. Battery Cover

7. Hotshoe

8. LCD Panel

9. Hotshoe Fixing Buckle

10. External Charging Port
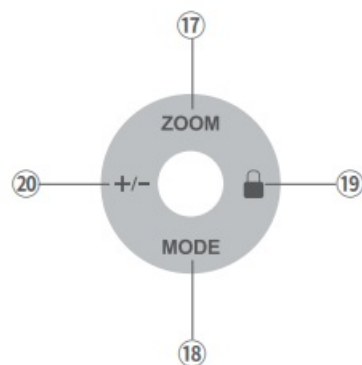
Control Panel

11. <MENU>Flash Menu Button

12. < >Wireless Selection Button

13. Select Dial

14. Set Button

15. ON/OFF Power Switch

16. < > Test Button / Flash Ready Indicator

17. <ZOOM> Focus Length Setting

18. <MODE>Mode Selection Button

19. < >Lock Setting

20. <+/->Power Output

21. Function Button 1

22. Function Button 2

23. Function Button 3

24. Function Button 4

LCD Panel

1. TTL Autoflash Zoom : zoom display

Focus length

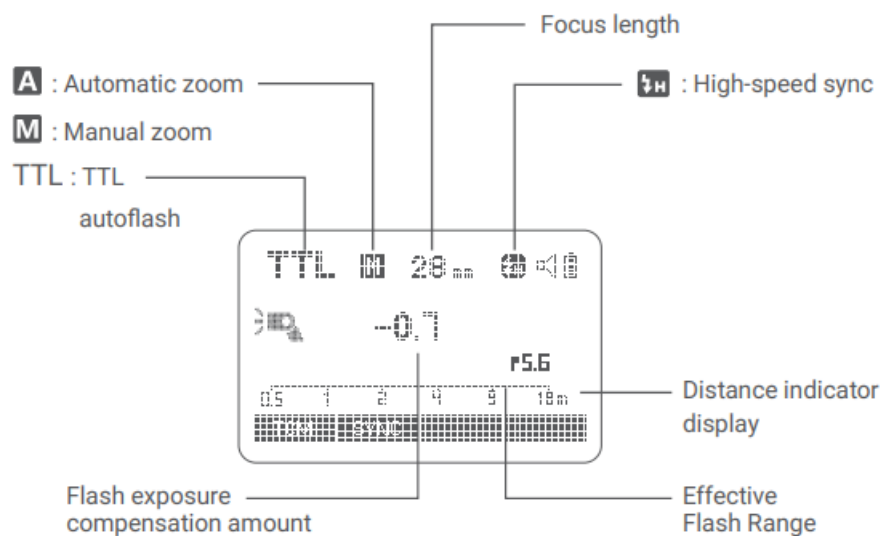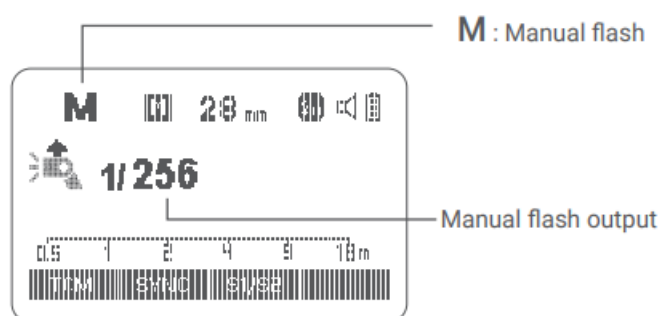**A** : Automatic zoom

M : Manual zoom

TTL : TTL autoflash

[$] : High-speed sync

Distance indicator display

Flash exposure compensation amount

Effective Flash Range

- The display will only show the settings currently applied.
- The functions displayed above function buttons 1 to 4, such and <M/A/B/C> , change according to settings' status.
- The LCD panel will lighten on when buttons and dials are operated.
- When the Function Button 1 displays TCM above, short press it can switch between TTL mode and M mode.

2. **M Manual Flash**

M : Manual flash

Manual flash output

3. **Multi Flash**

M : Manual flash

Manual flash output
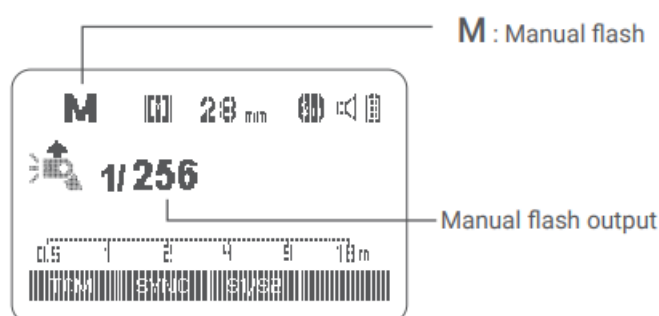
4. **Radio Transmission Shooting**

   Transmitter Unit (TX)

Flash mode

((⦿)) : Radio transmission wireless shooting

Firing group

Channel

Receiver Unit (RX)

⇒📷:Receiver icon

(‖) TTL ▣ 28 mm ◁ |
CH21 ‖RX‖ Ⓐ
‖ Gr ‖ CH ‖ SYNC ‖‖‖
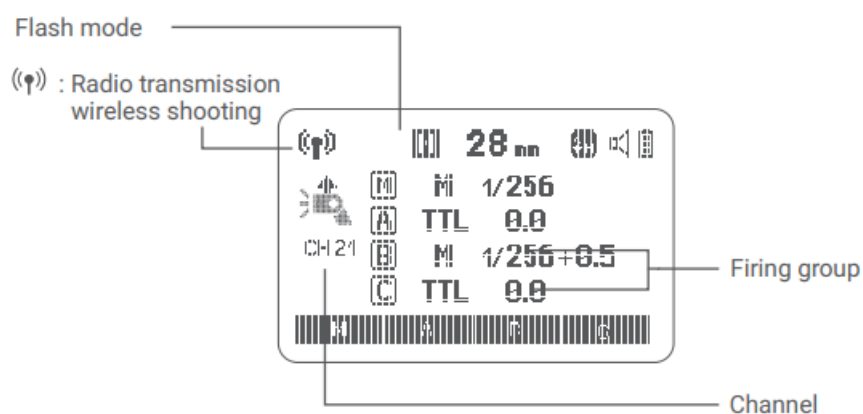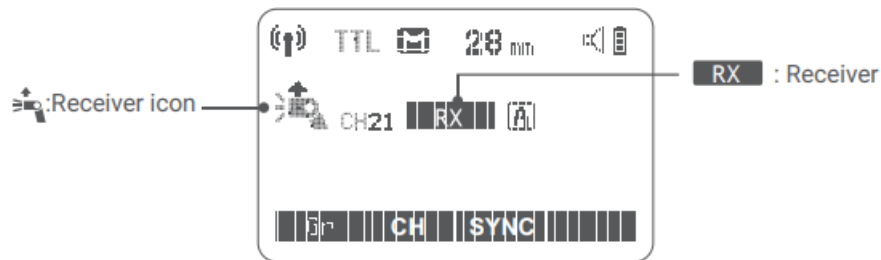
RX : Receiver

- **LCD Panel in Three Modes**
- **Attached to the Camera**
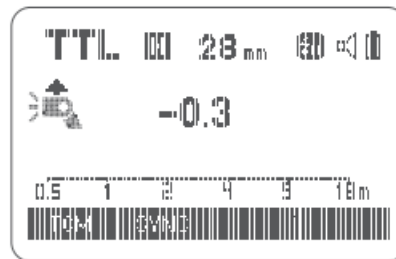
- **2.4G Radio Transmission: As a Transmitter Unit**
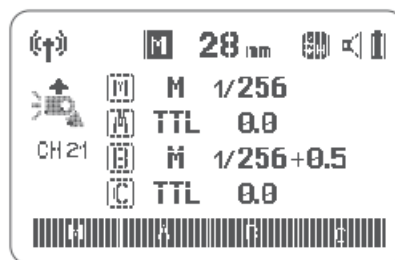
- **2.4G Radio Transmission: As a Receiver Unit**
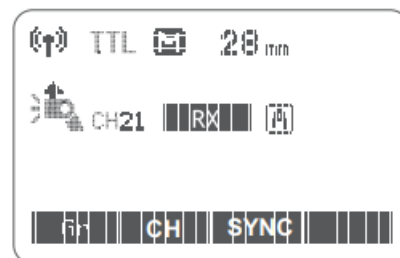
What's in the Box of TT685IIO Kit

1 2 3 4
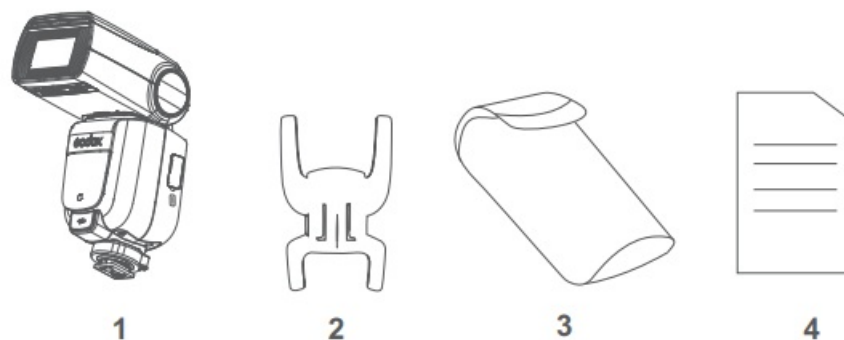
1. Flash Unit
2. Mini Stand

3. Protection Case

4. 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: XProC, X2T-C & X1C TTL wireless flash trigger, etc.
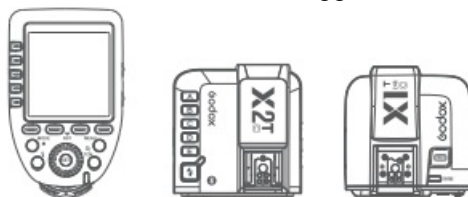
Loading and unloading the battery

1. To unload the battery, hold down the battery and press compartment and push the battery downwardly to take it out.

2. Put 4 batteries in with the correct polarity after opening the battery compartment, then close and push it to the top.
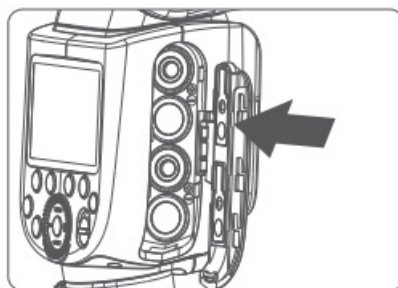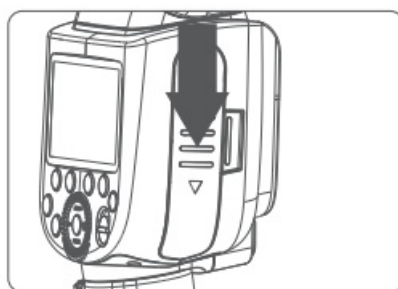
Tips When collocated with the optional Godox Flash Power Box PB960, TT685IIO will have more flash times, shorter recycle time and longer duration.

Attaching to a Camera
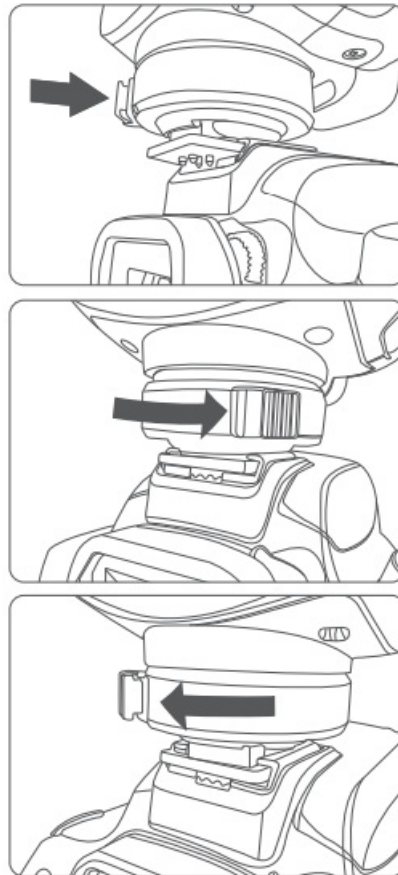
1. **Attach the Camera Flash.**

   Rotate the hotshoe fixing buckle to the left and insert the camera flash into the camera's hotshoe.

2. **Secure the Camera Flash.**

   Rotate the hotshoe fixing buckle to the right until it locks up.

3. **Detach the Camera Flash.**

   Press the button and rotate the hotshoe fixing buckle to the left until it is loosened.

Power Management

Use ON/OFF Power Switch to power the flash unit on or off. Turn off if it will not be used for an extended period of time. Setting as a transmitter flash, it will turn the power off automatically after a certain period (approx. 90 seconds) of idle use. Pressing the camera shutter halfway or pressing any flash button will wake up the flash unit. Setting as a receiver flash, it will enter sleep mode after a certain period (adjustable, 60 minutes by default) of idle use. Pressing any flash button will wake it up.

1. Disabling Auto Power Off function is recommended when the flash is used off camera. (C.Fn-STBY)
2. Receiver Auto Power Off Timer is set to 60 minutes by default. Another option "30 minutes" is available. (C.Fn-RX STBY)

Flash Mode—TTL Autoflash

This flash has three flash modes: E-TTL, Manual (M), and Multi (Stroboscopic). In E-TTL mode, the camera and the flash will work together to calculate the correct exposure for the subject and the background. In this mode, multiple TTL functions are available: FEC, HSS, second curtain sync, control with Olympus/Panasonic camera's menu screen.

* Press < MODE > Mode Selection Button and three flash modes will display on the LCD panel one by one with

each pressing.

ETTL Mode
Press < MODE > Mode Selection Button to enter E-TTL mode. The LCD panel will display.
Press the camera release button halfway to focus. The aperture effective flash range will be displayed in the viewfinder.
When the shutter button is fully pressed, the flash will fire a pre-flash that the camera will output the instant before the use to calculate exposure and flash photo is taken.

FEC: Flash Exposure Compensation
With FEC function, this flash can adjust from -3 to +3 in 1/3rd stops. It is useful in situations where minor adjusting of the TTL system is needed based on the environment.

FEC Setting
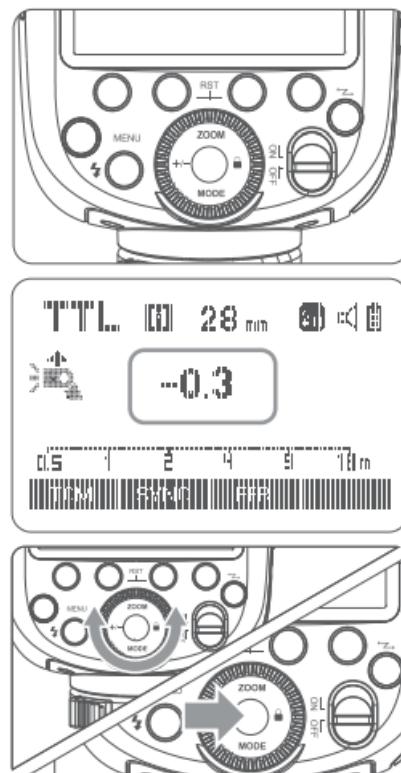
1. Press the <+/-> button. The flash exposure compensation amount will be highlighted on the LCD panel. Set the flash exposure compensation amount.

2. Turn the Select Dial to set the amount. "0.3"means 1/3 step, "0.7"means 2/3 step. To cancel the flash exposure compensation, set the amount to "+0".

3. Press Set Button again to confirm the setting.

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.

Setting the flash to High-speed Sync mode when it is on the camera:

- Press the <SYNC> button to turn on high-speed sync flash and < > is displayed. Then, adjust the camera's shutter to achieve high-speed sync flash.
- With high-speed sync, the faster the shutter speed, the shorter the effective flash range.

- Multi flash mode cannot be set in high-speed sync mode.
- Over-temperature protection may be activated after 15 consecutive high-speed sync flashes.
- Try not to use high-speed sync flash, for using this function will reduce flash tube's service life.
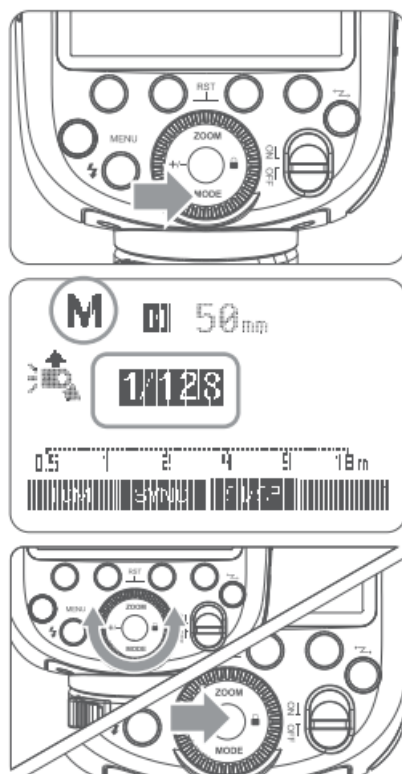
    Note: In the wireless remote control mode, using high-speed sync flash with Panasonic camera may occur out of sync.

Manual Flash

The flash output is adjustable from 1/1 full power to 1/256th power in 1/10th 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. Press <+/-> to choose power, then turn the Select Dial to choose a desired flash output amount.
3. Press Set Button again to confirm the setting.

Optic S1 Secondary Unit Setting
In M manual flash mode, press <S1/S2> button so that 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 radio triggers. This helps create multiple lighting effects.

Optic S2 Secondary Unit Setting
Press <S1/S2> button so that this flash can also function as an optic S2 secondary flash with optic 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.
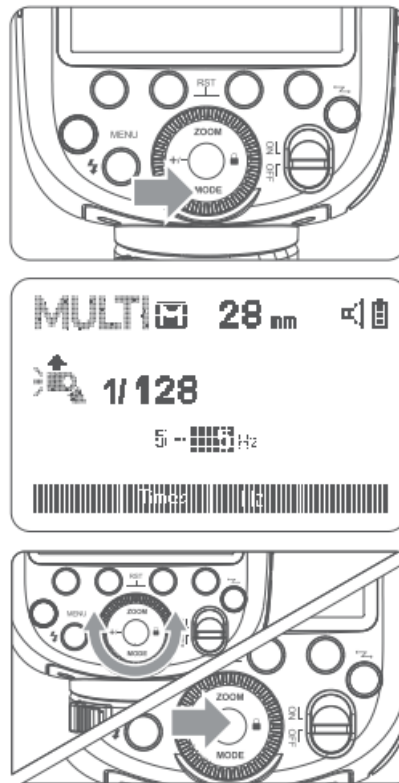
1. S1 and S2 optic triggering is only available in M manual flash mode.

Multi: Stroboscopic Flash

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 < > is displayed.

2. Set the flash frequency and flash times.

   - Press the Function Button 2 <Times> to select the flash times. Turn the Select Dial to set the number.

   - Press the Function Button 3 <Hz> to select the flash frequency. Turn the Select Dial to set the number.

3. Turn the Select Dial to choose a desired flash output. After you finish the setting, press Set Button and all the settings will be displayed.

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.

To avoid overheating and deteriorating the flash head, do not use stroboscopic 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 stroboscopic 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.

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.
●Stroboscopic flash can be used with"buLb".
●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
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	50	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

Flash output Hz	10-11	12-14	15-19	20-50	60-100
1/4	2	2	2	2	2
1/8	4	4	4	4	4
1/16	8	8	8	8	8
1/32	20	20	18	16	12
1/64	50	40	35	30	20
1/128	70	60	50	40	40
1/256	70	60	50	40	40

Wireless Flash Shooting: Radio (2.4G) Transmission

- You can set up five receiver groups for TTL autoflash shooting.With TTL autoflash, you can easily create various lighting effects.
- Any flash settings for the receiver units on the transmitter flash in TTL/Manual/Multi mode will be automatically sent to the receiver units. So the only thing you need to do is to set the transmitter unit for each receiver group without any operation for the receiver units at all during the shooting.
- This flash can work in TTL /M /Multi / OFF flash modes when set as a transmitter unit.
- The TT685IIO attach to the camera is called the transmitter unit, and a TT685IIO that is wirelessly controlled is called the receiver unit.
- You can also wirelessly control the TT685IIO set as the receiver unit with the transmitter X1T-C (sold separately). For details on setting the transmitter unit functions, see the transmitter's instructions.

Positioning and Operation Range (Example of wireless flash shooting)

- Autoflash Shooting with One Receiver Unit

Transmission distance is about 100m.
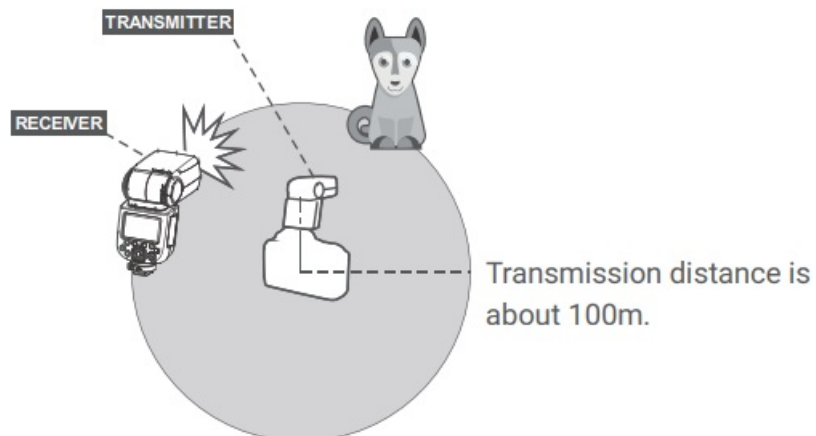
- Use the supplied mini stand to position the Receiver unit.
- Before shooting, perform a test flash and test shooting.
- The transmission distance might be shorter depending on the conditions such as positioning of Receiver units, the surrounding environment and whether conditions.

Wireless Multiple Flash Shooting

- You can divide the Receiver units into two or three groups and perform TTL autoflash while changing the flash ratio (factor). In addition, you can set and shoot with a different flash mode for each firing group, for up to 4 groups.
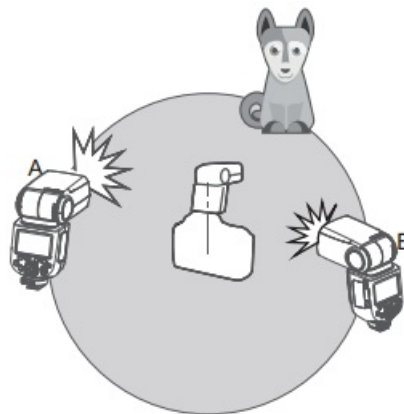
- Auto Shooting with Two Receiver Groups
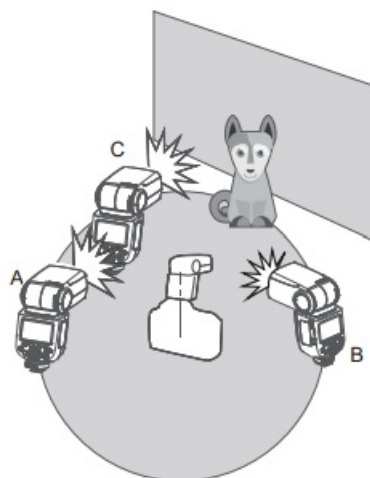
- Auto Shooting with Three Receiver Groups

Wireless Settings
You can switch between normal flash and wireless flash. For normal flash shooting, be sure to set the wireless setting to OFF.

Transmitter Unit Setting

Press < ⁺z⁺ > button so that < ((ᵖ)) > is displayed on the LCD panel.

Receiver Unit Setting
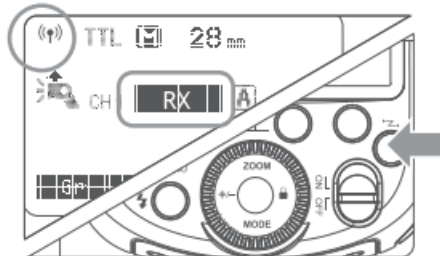
Press <⁺z⁺> button so that < ((ᵖ)) > or <▌▌RX▌▌> are displayed on the LCD panel.

Setting the Communication Channel

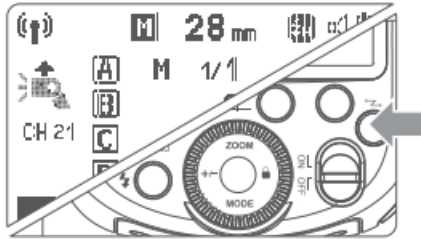If there are other wireless flash systems nearby, you can change the channel IDs to prevent signal interference. The channel IDs of the Transmitter unit and the Receiver unit(s) must be set to the same.
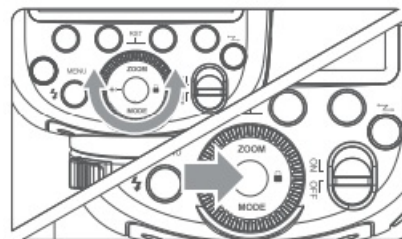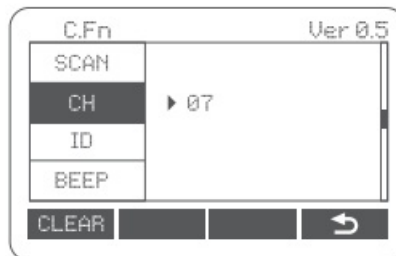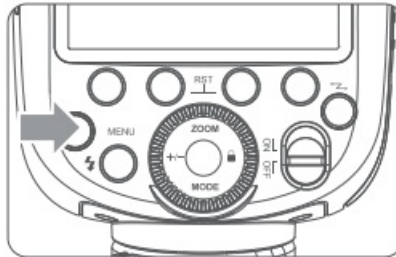
1. Press <MENU> Button to enter C.Fn CH setting.

2. 2In C.Fn CH, turn the Select Dial to choose channel ID from 1 to 32.

3. 3Press the Set Button to confirm.

Wireless ID Settings

Change the wireless channels and wireless ID to avoid interference for it can only be triggered after the wireless IDs and channels of the

Transmitter unit and the Receiver unit are set to the same.Press the <MENU> button to enter C.Fn ID. Press the Set Button to choose OFF channel expansion shutdown, and choose any figure from 01 to 99.
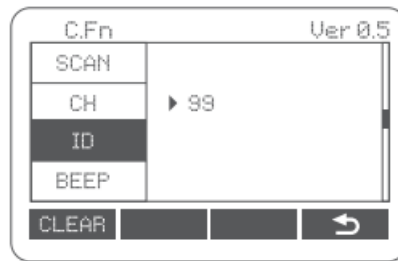
Scan the Spare Channel

To avoid the interference of using the same channel by others, this function can be used: enter the C.Fn settings and find the SCAN option. When setting it to START, it will scan from 1% to 100%. And the 8 spare channels will be displayed after the scan is completed.
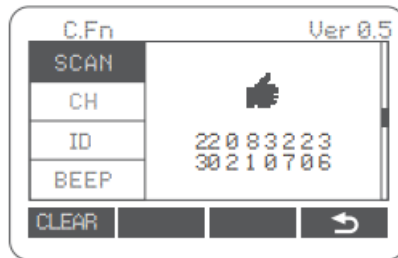
TTL Fully Automatic Wireless Flash Shooting Using Automatic Wireless Flash with a Single Receiver Unit
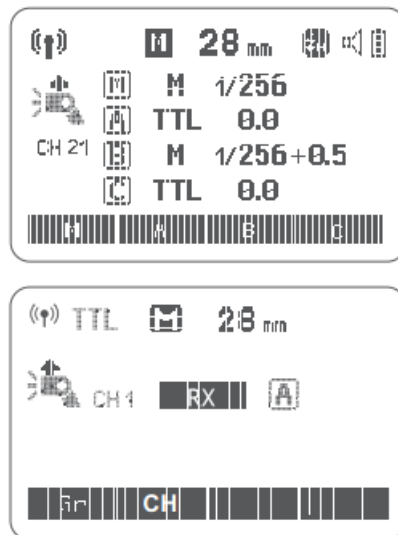
1. **Transmitter Unit Setting**

   Attach a TT685IIO camera flash on the camera and set it as the Transmitter unit. M/A/B/C can be set as TTL respectively.

2. **Check the communication channel.**

   If the Transmitter unit and Receiver unit(s) are set to a different channel, set them to the same channel.

3. **Position the camera and flashes.**

   Position the camera and flashes as the picture shows.

4. **Check that the flash is ready.**

   Check that the Transmitter flash ready indicator is lightened.

5. **Check the flash operation.**

   Press the Transmitter unit's Test Button < >. Then, the Receiver unit will fire. If not, adjust the Receiver unit's angle toward the Transmitter unit and distance from the Transmitter unit.

Using Automatic Wireless Flash with Multiple Receiver Units

When stronger flash output or more convenient lighting operation is needed, increase the number of Receiver units and set it as a single Receiver unit. To add Receiver units, use the same steps as setting"automatic wireless flash with a single Receiver unit". Any flash group can be set (A/B/C/D/E).When the number of Receiver units is increased and the Transmitter unit flash firing is ON, automatic control is implemented to make all groups of flashes fire the same flash output and ensure the total flash output up is to standard exposure.
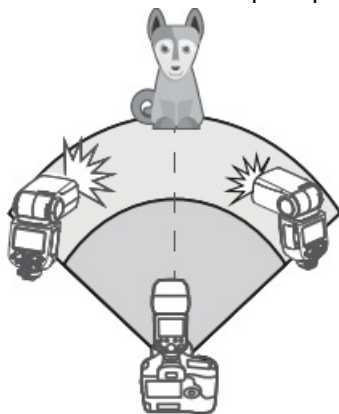
- If the Receiver unit's auto power off function is workable, press the Transmitter unit's test button to power it on. Please note that test firing is unavailable during the camera's regular metering time.
- The effective time of Receiver auto power off is changeable.

Using Fully Automatic Wireless Flash

The FEC and other settings that set on the Transmitter unit will also be appeared on the Receiver unit automatically. The Receiver unit does not need any operation. Use the following settings to make wireless flashes according to the same methods with normal flash shooting.

- Flash Exposure Compensation

About the Transmitter Unit
Use two or more Transmitter units. By preparing several cameras with Transmitter units flash attached, cameras can be changed shooting while keeping the same lighting source (Receiver unit).

M: Wireless Flash Shooting with Manual Flash
This describes wireless (multiple shooting) using manual flash. You can shoot with a different flash output setting for each Receiver unit (firing group). Set all parameters on the Transmitter unit.
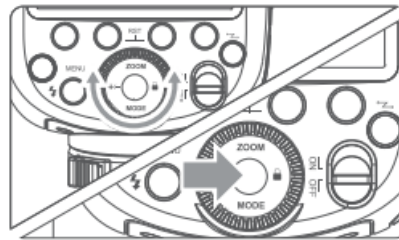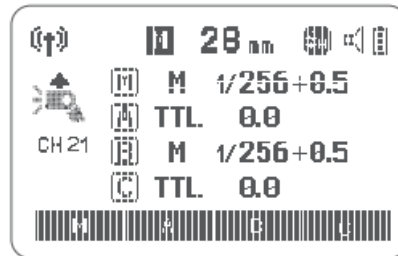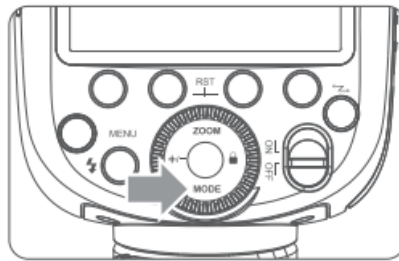
1. **Setting the flash mode to <M>.**
2. **Setting flash output.**

   Press FunctionButton 1/2/3/4<M/A/B/C>. Turn the Select Dial to set the flash output of the groups. Press Set Button to confirm.

3. **Taking the picture.**

   Each group fires at the set flash ratio.

Setting <M> Flash Mode

You can directly operate the Receiver unit to manually set the manual flash or stroboscopic flash.

1. **Setting the Receiver unit.**
2. **Setting flash mode to <M>.**

   Press <MODE> button so that <M> is displayed. Set the manual flash output.

Multi: Wireless Flash Shooting with Manual Flash
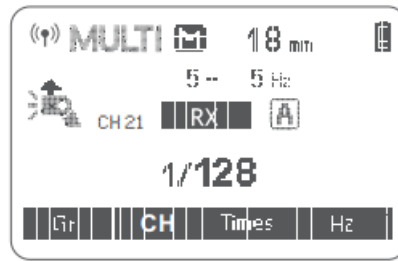
1. Setting <MULTI> stroboscopic flash.

   - Press <MODE> button so that <MULTI> is displayed.
   - Setting the stroboscopic flash

The Reason & Solution of Not Triggering in Godox 2.4G

Wireless

1. Disturbed by the 2.4G signal in outer environment (e.g. wireless base station, 2.4G wifi router, Bluetooth, etc.)
   → To adjust the channel CH setting on the flash trigger (add 10+ channels) and use the channel which is not disturbed. Or turn off the other 2.4G equipment in working.
2. Please make sure that whether the flash has finished its recycle or caught up with the continuous shooting speed or not(the flash ready indicator is lighten) and the flash is not under the state of over-heat protection or other abnormal situation.
   → Please downgrade the flash power output. If the flash is in TTL mode, please try to change it to M mode(a preflash is needed in TTL mode).
3. Whether the distance between the flash trigger and the flash is too close or not 0.5m
   → Please turn on the "close distance wireless mode" on the flash trigger   X2 & X1 series: press the test button and hold on, then turning it on until the flash ready indicator blinks for 2 times.
   XPro series: Set the C.Fn-DIST to 0-30m.
4. Whether the flash trigger and the receiver end equipment are in the low battery states or not
   →Please replace the battery(the flash trigger is recommended to use 1.5V disposable alkaline battery).

Other Applications

Sync Triggering
The Sync Cord Jack is a Φ2.5mm plug. Insert a trigger plug here and the flash will be fired synchronously with the camera shutter.
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. To set the bounce direction, hold the flash head and turn it to a satisfying angle.
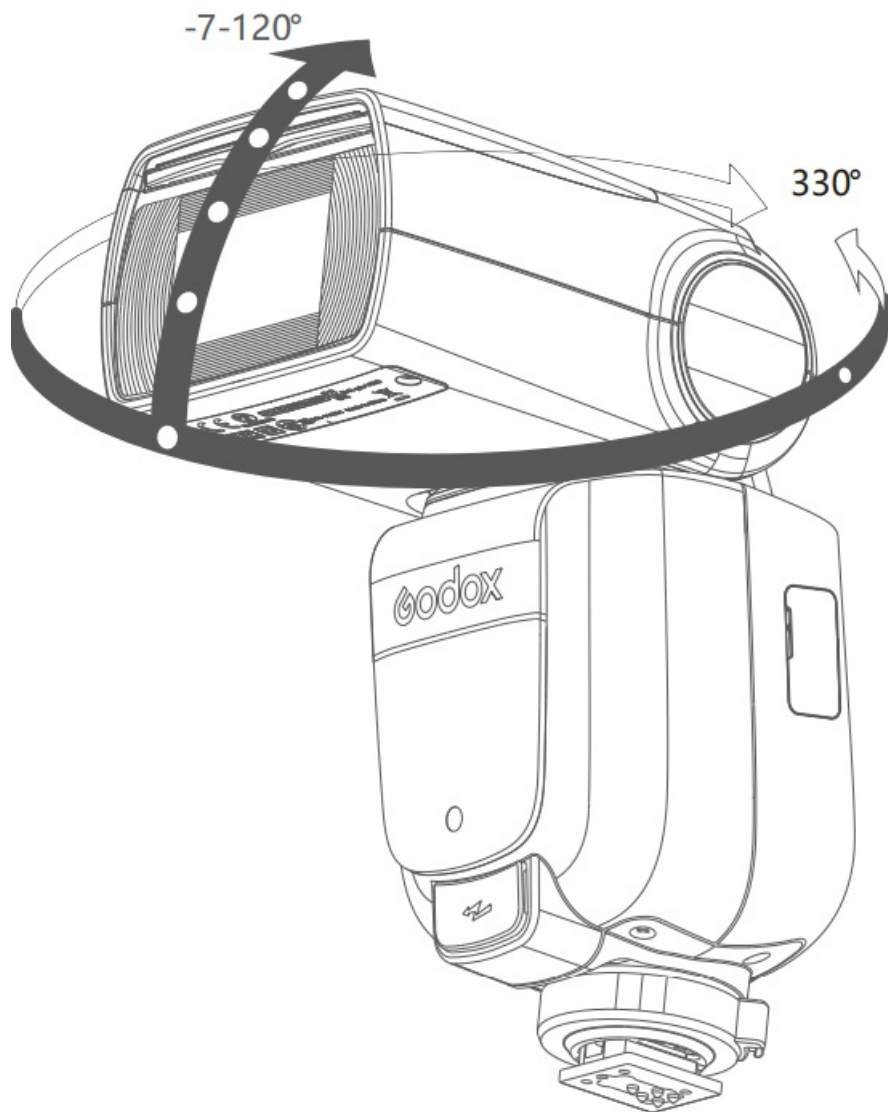
- If the wall or ceiling is too far away, the bounced flash might be too weak and result in underexposure.
- The wall or ceiling should be a plain, white color for high reflectance. If the bounce surface is not white, a color cast may appear in the picture.

Creating a Catchlight
With the catchlight panel, you can create a catchlight in the subject's eyes to add life to the facial expression.
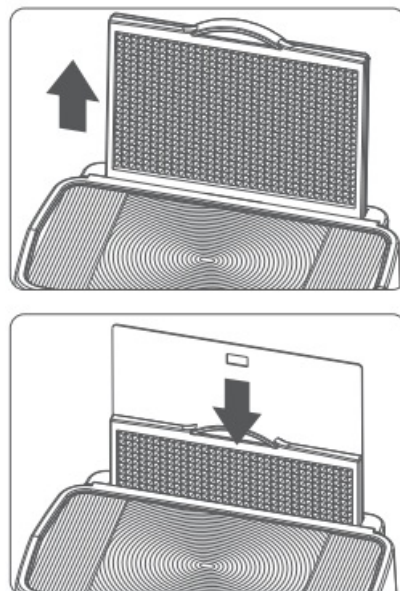
1. **Point the flash head upward by 90°.**
2. **Pull out the wide panel.**

    The catchlight panel will come out at the same time.

3. **Push the wide panel back in.**
    - Push in only the wide panel.
    - Follow the same procedures as for bounce flash.

Notes

- Point the flash head straight ahead and then upward by 90°. The catchlight will not appear if you swing the flash head left or right.
- For maximum catchlight effect, stay 1.5m/4.9ft away from the subject.

ZOOM: Setting the Flash Coverage
The flash coverage can be set automatically or manually. It can be set to match the lens focal length from 20mm to 200mm or 10mm to 100mm.
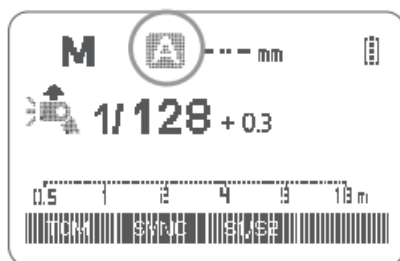
- In Manual Zoom mode, press the <ZOOM> button.
- Turn the Select Dial to change the flash coverage.
- If < > is displayed, the flash coverage will be set automatically.

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.

Low Battery Warning
If the battery power is low, < > will appear and blink on the LCD panel. Please replace the battery immediately.
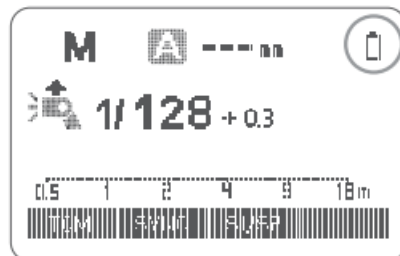
C.Fn: Setting Custom Functions

The following table lists the available and unavailable custom functions of this flash.

C.Fn Custom Function Signs	tom Function Function	s Setting No.	Settings & Description
m/ft	Distance indicator	m	m
		ft	feet
ZOOM	ZOOM display format	4/3	4/3 system
		135	135 system
STBY	Auto sleep setting	ON	ON
		OFF	OFF
RX STBY	Receiver auto power off timer	60min	60min
		30min	30min
SCAN	Scan the spare channel	OFF	OFF
		START	Start to find the spare channel
CH	Channel setting	01~32	Choose channels from 01-32
ID	Wireless ID	OFF	Off
		01-99	Choose any figure from 01-99
BEEP	Beeper	ON	ON
		OFF	OFF

		12sec	Off in 12 sec.
LIGHT	Backlighting time	OFF	Always off
		ON	Always lighting
LCD	LCD contrast ratio	− 3~+ 3	7 levels
TX DIST	Firing distance	1-100m 0-30m	1-100m firing 0-30m firing

1. Press<MENU> Button until C.Fn menu is displayed. The "Ver x.x" in the top-right corner refers to the software version.
2. Select the Custom Function No.
    - Turn the Select Dial to select the Custom Function No.
3. Change the Setting.
    - Press Set Button and the Setting No. blinks.
    - Turn the Select Dial to set the desired number. Pressing Set Button will confirm the settings.
    - After you set the Custom Function and press <MENU> button, the camera will be ready to shoot.
4. In the C.Fn states, long press the "Clear"button for 2 seconds until "OK"is displayed on the panel, which means the values in C.Fn can be reset.

Protection Function

1. Over-Temperature Protection
    - To avoid overheating and deteriorating the flash head, do not fire more than 40 continuous flashes in fast succession at 1/1 full power. After 40 continuous flashes, allow a rest time of at least 10 minutes.

- If you fire more than 40 continuous flashes and then fire more flashes in short intervals, the inner over-temperature protection function may be activated. 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, is shown on the LCD display.
- **Number of flashes that will activate over-temperature protection:**

Number of Flashes ZOOM (mm) Power Output Level	20	24	28	35	50	70	80	105	135	200
1/1	40	50	50	60	60	70	70	80	80	80
1/2	50	60	60	75	75	100	100	100	100	100
1/4	100	100	100	100	120	150	150	150	150	150
1/8	200	200	200	200	200	200	200	200	200	200
1/16	300	300	300	300	300	300	300	300	300	300
1/32	500	500	500	500	500	500	500	500	500	500
1/64	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
1/128	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
1/256	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000

- **Number of flashes that will activate over-temperature protection in high-speed sync triggering mode:**

Number of Flashes / Power Output Level	ZOOM (mm)
	20 – 200
1/1	30
1/2	30
1/4	34
1/8	40

Number of Flashes / Power Output Level	ZOOM (mm)
	20 – 200
1/16	50
1/32	50
1/64	60
1/128	60

Other Protections

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

Prompts on LCD Panel	Meaning
E1	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.
E2	The system gets excessive heat. Please allow a rest time of 10 minutes.
E3	The voltage on two outlets of the flash tube is too high. Please send this product to a maintenance center.
E9	There are some errors occurred during the upgrading process. Please using the correct firmware upgrade method.

Technical Data

Model	TT685IIO
Compatible Cameras	Olympus/Panasoniccamera
	refer to compatible camera models
Guide No.(1/1 output, 200mm)	GN≈60 (m ISO100 in meters)
Flash Coverage	10 to 100mm(4/3 system) or 20 to 200 mm (135 system)
	• Auto zoom (Flash coverage set automatically to match the lens focal length and image size)
	Manual zoom • Swinging/tilting flash head (bounce flash): 0 to 330° horizontally and -7° to 120° vertically
Flash Duration	1/300 to 1/20000 seconds
• Exposure Control	
Exposure control system	TTL autoflash and manual flash
Flash exposure compensation (FEC)	Manual: ±3 stops in 1/3 stop increments
Sync mode	High-speed sync (up to 1/8000 seconds), first-curtain sync, and second-curtain sync
Multi flash	Provided (up to 90 times, up to 100Hz)
• Wireless Flash 2.4G Radio Transmission	
Wireless flash function	Transmitter, Receiver, Off
Transmitter groups	M,A,B,C
Controllable Receiver groups	A, B, C, D, E (E group can be controlled by X series flash trigger)
Transmission range (approx.)	100m
Channels	32 (1~32)
ID	01~99

• Power Supply	
Power source	NI-MH battery(recommended) or LR6 alkaline battery*4
Recycle time	0.1-2.6s (Rechargeable Ni-MH Battery;)
Full power flashes	About 290 times
Power saving	Power off automatically after approx. 90 seconds of idle operation. (60 minutes if set as Receiver)
• Sync Triggering Mode	Hotshoe, 2.5mm sync line
Working temperature	-10℃-50℃

• Power Supply

Power source	NI-MH battery(recommended) or LR6 alkaline battery*4
Recycle time	0.1-2.6s (Rechargeable Ni-MH Battery;)
Full power flashes	About 290 times
Power saving	Power off automatically after approx. 90 seconds of idle operation. (60 minutes if set as Receiver)
• Sync Triggering Mode	Hotshoe, 2.5mm sync line
Working temperature	-10℃-50℃

Troubleshooting

- The Camera Flash cannot be charged.

- The battery is installed in the wrong direction.
  - Install the battery in the correct direction.
- The camera flash's internal battery is exhausted.
  - If < > appears and blinks on the LCD panel, replace the battery immediately.
  - If there is a problem, refer to this Troubleshooting Guide.
  - The Camera Flash does not fire.
- The camera flash is not attached securely to the camera.
  - Attach the camera's mounting foot securely to the camera.
- The electrical contacts of the Camera Flash and camera are dirty.
  - Clean the contacts.
  - The power turns off by itself.
- After 90 seconds of idle operation, auto power off took effect if the flash is set as Transmitter.
  - Press the shutter button halfway or press any flash button to wake up.
- After 60 minutes (or 30 minutes) of idle operation, the flash unit will enter sleep mode if it is set as Receiver.
  - Press any flash button to wake up.
  - Auto zoom does not work.
- The camera flash is not attached securely to the camera.
- Attach the camera flash's mounting foot to the camera.
- The flash exposure is underexposed or overexposed.
- You used high-speed sync.
  - With high-speed sync, the effective flash range will be shorter.
  - Make sure the subject is within the effective flash range displayed.
- You used Manual Flash mode.
  - Set the flash mode to TTL or modify the flash output. Photos have dark corners or only parts of the target subject are illuminated.
- The focal length of lens exceeds the flash coverage.
- Check the flash coverage you set. This flash unit has the flash coverage between 10 and 100mm(4/3 system) or 20 and 200 mm(135 system).

Firmware Upgrade

- The USB port is a Type-C USB socket. Type-C USB connection line is applicable.
- As the firmware upgrade needs the support of Godox G3 software, please download and install the "Godox G3 firmware upgrade software" before upgrading. Then, choose the related firmware file.
- As the product needs to do firmware upgrade, please refer to instruction manual of the newest electric version as final.

Compatible Camera Models
This flash unit can be used on the following Olympus/Panasonic camera models:

Olympus: E-M10II E-M5II E-M1 E-PL8 E-PL7 E-PL6 E-PL5 E-P5 E-P3 PEN-F E-M10III
Panasonic: DMC-GX85 DMC-G7 DMC-GF1 DMC-LX100 DMC-G85 DMC-GH5 DMC-GH4 DMC-FZ2500GK S1 GH4

This table only lists the tested camera models, not all Olympus/Panasonic series cameras. For the compatibility of

other camera models, a self-test is recommended.
Rights to modify this table are retained.

Maintenance

- Shut down the device immediately should abnormal operation be detected.
- Avoid sudden impacts and the product should be dedusted regularly.
- It is normal for the flash tube to be warm when in use. Avoid continuous flashes if unnecessary.
- Maintenance of the flash must be performed by our authorized maintenance department which can provide original accessories.
- This product, except consumables e.g. flash tube, is supported with a one-year warranty.
- Unauthorized service will void the warranty.
- If the product had failures or was wetted, do not use it until it is repaired by professionals.
- Changes made to the specifications or designs may not be reflected in this manual.

FCC Statement

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. Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Note: 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.
- The device has been evaluated to meet general RF exposure requirement.
- The device can be used in portable exposure condition without restriction.

Declaration of Conformity
GODOX Photo Equipment Co,Ltd. hereby declares that the This equipment are in compliance with the essential requirements and other relevant provisions of EU Directive 2014/53/EU. They are allowed to be used in all EU member states. For more information of DoC, Please click this web link: http://www.-godox.com/DOC/Godox_TT685II_Series_DOC.pdf

Warranty

Dear customers, as this warranty card is an important certificate to apply for our maintenance service, please fill in the following form in coordination with the seller and safekeep it. Thank you.

Product Information	Model		Product Code Number	
Customer Information	Name		Contact Number	
	Address			
Seller Information	Name			
	Contact Number			
	Address			
	Date of Sale			
Note:				

Applicable Products
The document applies to the products listed on the Product Maintenance Information (see below for further information). Other products or accessories (e.g. promotional items,giveaways and additional accessories attached,etc.) are notincluded in this warranty scope.

Warranty Period
The warranty period of products and accessories isimplemented according to the relevant Product MaintenanceInformation. The warranty period is calculated from the day(purchase date) when the product is bought for the first time,And the purchase date is considered as the date registered onthe warranty card when buying the product.

How to Get the Maintenance Service
If maintenance service is needed, you can directly contact the product distributor or authorized service institutions. You can also contact the Godox after-sale service call and we will offer you service. When applying for maintenance service, you should provide valid wananty card. If you cannot provide valid warranty card, we may offer you maintenance service once confirmed that the product or accessory is involved in the maintenance scope, but that shall not be considered as our obligation.

Maintenance and Service Support Information
The warranty period and service types of products are implemented according to the **following Product Maintenance Information**:

Product Type	Name	Maintenance Period (month)	Warranty Service Type
Parts	Circuit Board	12	Customer sends the product to designated site
	Battery	3	Customer sends the product to designated site
	Electrical parts e.g.battery charger, power cord, sync cable, etc.	12	Customer sends the product to designated site
Other Items	Flash tube, modeling lamp, lamp body, lamp cover, lockingdevice, package, etc.	No	Without warranty

Documents / Resources

Godox TT685IIO Thinklite TTL Camera Flash [pdf] Instruction Manual
TT685IIO, Thinklite TTL Camera Flash, TT685IIO Thinklite TTL Camera Flash

Godox TT685IIO Thinklite Ttl Camera Flash [pdf] Instruction Manual
TT685IIO Thinklite Ttl Camera Flash, TT685IIO, Thinklite Ttl Camera Flash, Ttl Camera Flash, Camera Flash, Flash