Quadralite

NAVIGATOR
X2 $\boxed{S}$

For Sony

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Made In China

FC CE RoHS ♻ ☒

Instruction Manual

Contents

Navigator X2 trigger is the ultimate controller for all Quadralite X wireless system devices. Thanks to it's large backlit dot matrix LCD screen the User can control up to 5 flash groups simultaneously including its zoom function, flash exposure compensation and modeling light status. Device is equipped with set of five direct action buttons to make work with multiple light set-up easy, fast and comfortable. Ergonomically located control dial ensures precise control over flash power output and other major functions. Built in AF assist light* supports camera's auto-focus adjustment that can be compromised in poor lighting conditions.

Navigator X2 S is fully compatible with Sony automatic flash light metering system (TTL) and can be used with all Quadralite TTL-capable flashes. Furthermore it can control lights in manual mode (M) and Multi (stroboscopic) modes as well. User can set flash exposure compensation or adjust flash energy output manually. High-Speed Sync and Second Curtain Sync is also supported*.

Device is equipped with USB Type-C port for firmware updates and run on two AA batteries for convenience.

Features:
• Ultimate radio controller for all Quadralite X wireless system devices,
• Allows for automatic (TTL) or full manual control (1/1 - 1/256 power),
• 2.4 GHz wireless transmission ensures stable work on longer distances both in studio and on location (up to 100m),
• 32 communication channels and 16 groups for fast configuration and control over many lights,
• TCM function ensure fast conversion of TTL settings to Manual values for exposure accuracy,
• AF assist* helps to adjust focus distance in poor light conditions,
• Large backlit LCD screen can display 5 groups settings simultaneously,
• HSS (High Speed Sync) up to 1/8000*,
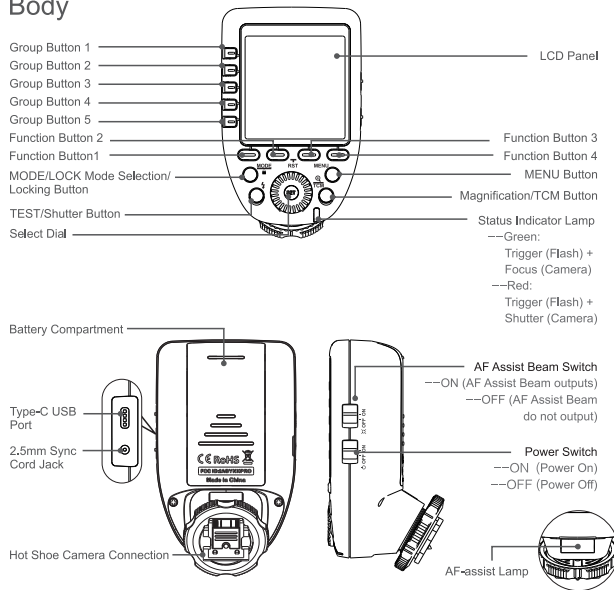• Firmware update is possible through built-in USB-C Type port.

⚠ Safety

⚠ Do not disassemble and modify the device! Disassembling of the cover can be performed only be the authorized Quadralite service. Modifications of the device at one's own or by unauthorized service results in warranty void.

⚠ If the cover is damaged, eg. in consequences of fall, it is advised to send the device to authorized service center for inspection and repair (if necessary).

⚠ Keep it dry! Do not use the device with wet hands, do not immerse in water, do not expose to snow or rain. Ignoring above mentioned safety instructions could result with electric shock, short circuit of fire.

⚠ The device must not be used in high dustiness conditions and when there is a risk of contact with flammable liquids and vapors. Disobeying given advice results in the device damage or fire

⚠ Device is designed to work in temperature from 0 to 45 Celsius degrees. Exceeding this scope could result in incorrect functioning of the device or could lead to overheat and damage.

⚠ Do not expose the device on high temperatures! Leaving the device without proper protection for example left in a closed car in direct sunlight or close to high temperature sources could result in fire, damage of the cover or internal components.

⚠ Keep out of the reach of children!

Ignoring the above safety rules may cause dangerous electric shock, user health damage, operation disturbances or permanent damage to the device.

The manufacturer is not liable for any damages resulting from improper operation of the equipment, therefore you should only use the device in compliance with this user manual.

X2 Names of Parts

• Body

Group Button 1
Group Button 2
Group Button 3
Group Button 4
Group Button 5
Function Button 2
Function Button1
MODE/LOCK Mode Selection/ Locking Button
TEST/Shutter Button
Select Dial

LCD Panel

Function Button 3
Function Button 4
MENU Button
Magnification/TCM Button
Status Indicator Lamp
--Green:
Trigger (Flash) + Focus (Camera)
--Red:
Trigger (Flash) + Shutter (Camera)

Battery Compartment

Type-C USB Port
2.5mm Sync Cord Jack

Hot Shoe Camera Connection

AF Assist Beam Switch
--ON (AF Assist Beam outputs)
--OFF (AF Assist Beam do not output)

Power Switch
--ON (Power On)
--OFF (Power Off)

AF-assist Lamp

X2 Names of Parts

• **LCD Panel**

(1) Multi Groups Display (2) Single Group Display (3) Menu (4) Multi Groups' ZOOM Display

1. Channel (32)   2. Camera Connection   3. Modeling Lamp Master Control
4. High-Speed   5. Sound   6. Battery Level Indication   7. Group   8. Mode
9. Power   10. Group's Modeling Lamp   11. ZOOM Value   12. Icons of Function Button
13. C.Fn Menu   14. Version
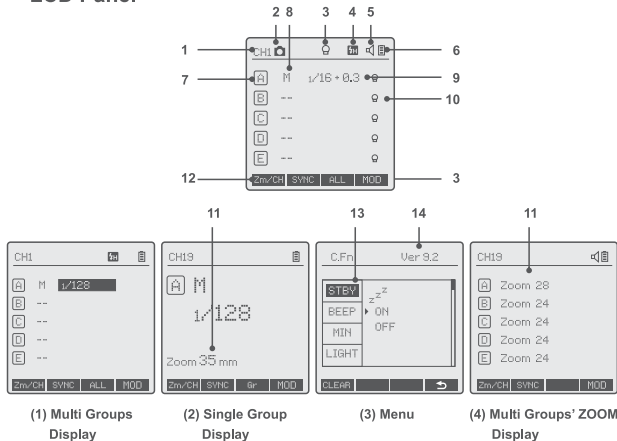
X2 Battery

AA alkaline batteries are recommended.

• **Installing Batteries**

As shown in the illustration, slide the battery compartment lid of the flash trigger and insert two AA batteries separately.

• **Battery Level Indication**

Check the battery level indication on the LCD panel to see the remaining battery level during the usage.

Battery Level Indication	Meaning
3 grids	Full
2 grids	Middle
1 grid	Low
Blank grid	Low battery, please replace it.
Blinking	< 2.5V The battery level is going to be used out immediately (please replace new batteries, as low power leads to no flash or flash missing in case of long distance).
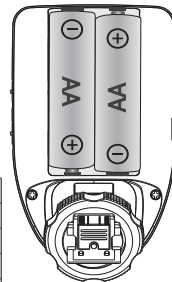
The battery indication only refers to AA alkaline batteries. As the voltage of Ni-MH battery tends to be low, please do not refer to this chart.

X2 Using the Flash Trigger

1. **As a Wireless Camera Flash Trigger**

Take Stroboss 60 S as an example:

1.1 Turn off the camera and mount the transmitter on camera hotshoe. Then, power on the flash trigger and the camera.

1.2 Long press the <**Zm/CH**> button to set channel, group, mode and parameters (refers to the contents of "Setting the Flash Trigger").

1.3 Turn on the camera flash, press the < ↯ > wireless setting button and the < ((♦)) > wireless icon and <**SLAVE**> slave unit icon will be displayed on the LCD panel. Press the <CH> button to set the same channel to the flash trigger, and press the <Gr> button to set the same group to the flash trigger (Note: please refer to the relevant instruction manual when setting the camera flashes of other models).

1.4 Press the camera shutter to trigger and the status lamp of the flash trigger turns red synchronously.

2. As a Wireless Outdoor Flash Trigger

Take Atlas 600 as an example:

2.1 Turn off the camera and mount the transmitter on camera hotshoe. Then, power on the flash trigger and the camera.

2.2 Long press the <**Zm/CH**> button to set channel, group, mode and parameters (refers to the contents of "Setting the Flash Trigger").

2.3 Power on the outdoor flash and press the < ↯ > wireless setting button and the < ((♦)) > wireless icon will be displayed on the LCD panel. Long press the <**GR/CH**> button to set the same channel to the

flash trigger, and short press the < **GR/CH**> button to set the same group to the flash trigger (Note: please refer to the relevant instruction manual when setting the oudoor flashes of other models).

2.4 Press the camera shutter to trigger and the status lamp of the flash trigger turns red synchronously.

As a Wireless Original Flash Trigger

Take HVL-F45RM as an example:

3.1 Turn off the camera and mount the transmitter on camera hotshoe. Then, power on the flash trigger and the camera.

3.2 Long press the <**Zm/CH**> button to set channel, group, mode and parameters (refers to the contents of "Setting the Flash Trigger").

3.3 Attach the original flash to the Navigator X S receiver. Press the <**CH**> button on the receiver to set the same channel to the flash trigger, and press the <**Gr**> button to set the same group to the flash trigger (Note: please refer to the relevant instruction manual when setting the original camera flashes).

3.4 Press the camera shutter to trigger. And the status lamp of the camera flash and the flash trigger both turn red synchronously.

Note: Sony original speedlights shall be set to TTL mode regardless of Navigator X2 mode.
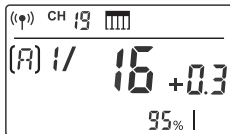
4. As a Wireless Studio Flash Trigger

Take Move X as an example:

4.1 Turn off the camera and mount the transmitter on camera hotshoe. Then, power on the flash trigger and the camera.

4.2 Long press the <**Zm/CH**> button to set channel, group, mode and parameters (refers to the contents of "Setting the Flash Trigger").

4.3 Connect the studio flash to power source and power it on. Synchronously press down the <**GR/CH**> button and <**S1/S2**>button and the < ((•)) > wireless icon will be displayed on the LCD panel. Long press the <**GR/CH**> button to set the same channel to the flash trigger, and short press the < **GR/CH** > button to set the same group to the flash trigger (Note: please refer to the relevant instruction manual when setting the studio flashes of other models).

4.4 Press the camera shutter to trigger. And the status lamp of the camera flash and the flash trigger both turn red synchronously.

Note: As the studio flash's minimum output value is 1/32, the output value of the flash trigger should be set to or over 1/32. As the studio flash do not have TTL and stroboscopic functions, the flash trigger should be set to M mode in triggering.

5. As a Wireless Shutter Release Trigger

Operation method:

5.1 Turn off the camera. Take a camera remote cable and insert one end into the camera's shutter socket and the other end to the shutter release port of Navigator X S receiver to connect.

Power on the camera and the receiver.

5.2 Long press the <**Zm/CH**> button to set channel, group, mode and parameters (refers to the contents of "Setting the Flash Trigger").

5.3 Press the receiver's <**CH**> button to set the same channel to the flash trigger, and press the <**Gr**> button to set the same group to the flash trigger.

5.4 Half press the ⚡ button to focus and full press the <**TEST**> button to shoot. Release the button until the status lamp turns to red.

6. **As a Flash Trigger with 2.5mm Sync Cord Jack**
   Operation method:
   6.1 The connection method please refers to the
        contents of "As a Wireless Studio Flash
        Trigger" and "As a Wireless Shutter Release".
   6.2 Press the shutter normally and the flashes will
        be controlled by sync cord jack's signal.

• **Power Switch**

   Slide the Power Switch to ON, and the device is on and status indicator lamp will not reveal.

   Note: In order to avoid power consumption, turn off the transmitter when not in use.

• **Automatically Enter Power Saving Mode**

   1. The system will automatically enter standby mode after stop operating the
   transmitter over 90 seconds. And the displays on the LCD panel disappear now.
   2. Press any button to wake up. If the flash trigger is attached to the hot shoe of
   Sony camera, half press the camera shutter can also wake the system up.
   Note: If do not want to enter power saving mode, press the <MENU> button to enter C.Fn custom
   settings and set STBY to OFF.

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• **Power Switch of AF Assist Beam**

   Slide the AF assist beam switch to ON: the red AF-assist lamp will light when it's hard
   to focus while automatically off when getting correct focus.

   Note: X2's AF-assist lamp will not light when not being attached to camera.
   • When using on Interchangeable Lens Digital Camera (e.g. ILCE6000L and a7RII),
     X2's AF-assist lamp will not light.
   • When using on SLT Camera (e.g. a99 and a77II), X2's AF-assist lamp will
     automatically light.

• **Channel Setting**

   1. Long press the <**Zm/CH**> button and the channel value will be chosen.
   2. Turn the select dial to choose the appropriate channel. Press the <**SET**> button
   again to confirm the setting.
   3. This flash trigger contains 32 channels which can be changed from 1 to 32. Set the
   transmitter and the receiver to the same channel before usage.

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- **Wireless ID**

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

- **Mode Setting**

  1. Short press the <**MODE**> button, and the mode of the current group will change.
  2. Set the groups to five groups (A-E)
     2.1 When displaying multiple groups, press the<**MODE**> button to switch the multi-group mode to MULTI mode. Press the group selection button can set the MULTI mode to ON or OFF.
     2.2 When displaying multiple groups, press the group selection button or <**MODE**> button in one-group mode, and A, B and C group's mode will be changed by the order of **TTL/M/—** while D and E group will be changed in or **M/—** mode.
  3. When setting the group to 16 groups (0-F), there is only manual mode M.
  4. Long press the <**MODE**> button for 2 seconds until "LOCKED" is displayed on the bottom of the LCD panel, which means the screen is locked and no parameters can be set. Long press the <**MODE**> button again to unlock.

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- **Magnification Function**

  Switch between multi-group and one-group mode: choose a group in multi-group mode and press the <**TCM**> button to magnify it to one-group mode. Then, press the <**TCM**> button to back to multi-group.

- **Output Value Settings**

  1. **Multi-group displays in the M mode**
     1.1 Press the group button to choose the group, turn the select dial, and the power output value will change from Min to 1/1 in 0.3 stop increments. Press the <**SET**> button to confirm the setting.
     1.2 Press <**ALL**> button to choose all groups' power output value, turn the select dial, and all groups' power output value will change from Min to 1/1 in 0.3 stop increments. Press <**ALL**> button again to confirm the setting.
  2. **One-group displays in the M mode**
     Turn the select dial and the group's power output value will change from Min to 1/1 in 0.3 stop increments.

  Note: Min. refers to the minimum value that can be set in M or Multi mode. The minimum value can be set to 1/128 or 1/256 according to C.Fn-Min. For most of camera flashes, the minimum output value is 1/128 and cannot be set to 1/256. However, the value can change to 1/256 when using in combination with Quadralite Atlas flashes.

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- **Flash Exposure Compensation Settings**
  1. **Multi-group displays in the TTL mode**
     1.1 Press the group button to choose the group, turn the select dial, and the FEC value will change from -3 to ~3 in 0.3 stop increments. Press the **<SET>** button to confirm the setting.
     1.2 Press **<ALL>** button to choose all groups' FEC value, turn the select dial, and all groups' FEC value will change from -3 to ~3 in 0.3 stop increments. Press **<ALL>** button again to confirm the setting.
  2. **One-group displays in the TTL mode**
     Turn the select dial and the group's power output value will change from -3 to ~3 in 0.3 stop increments.

  Note: The FEC value displayed on the X2's LCD will not be displayed on the flash under its control. As the FEC values of X2 S and flash are two different value, the output value are the total FEC value of X2 S and flash(for example, if X2 S FEC value is -2 while the flash's FEC value is +3, then the flash output is +1.).

- **Multi Flash Settings (Output Value, Times and Frequency)**

  1. In the multi flash (TTL and M icon are not displayed).
  2. The three lines are separately displayed as power output value, Times(flash times) and Hz (flash frequency).
  3. Turn the Select Dial to change the power output value from Min. to 1/4 in integer stops.
  4. Short press the Times button can change flash times. Turn the select dial to change the setting value.

  5. Short press the THz button can change flash frequency. Turn the select dial to change the setting value.
  6. Until all the amounts are set. Or during any value setting, short press the **<MODE>** button to exit the setting status. No values will blink.
  7. In the multi flash setting submenu, short press the **<MODE>** button to return to main menu when no values are blinking.

  Note: As flash times are restricted by flash output value and flash frequency, the flash times cannot surpass the upper value that permitted by the system. The times that transported to the receiver end are a real flash time, which is also related to the camera's shutter setting.

- **Modeling Lamp Settings**
  1. When displaying multiple groups, press the **<MOD>** button to control the ON/OFF of the modeling lamp.
  2. Press the group button to choose the group when displaying multiple groups or when displaying one-group, press the **<MOD>** button to control the ON/OFF of the modeling lamp (note: The models that can use one-group to ON/OFF the modeling lamp are as follows: Move X, Pulse X, Pulse Pro X and Atlas 600 Pro flashes. Reporter 200 TTL and Atlas 600 can use this function after upgrade. The new arrivals with modeling lamps can also use this function.).
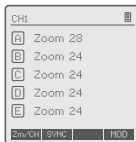
- **ZOOM Value Settings**

  Short press the <**Zm/CH**> button and the ZOOM value will be displayed on the LCD panel. Choose the group and turn the select dial, and the ZOOM value will change from AUTO/24 to 200. Choose the desired value and press the <**Zm/CH**> button again to back to the main menu.

  Note: The flash's ZOOM should be set to Auto (A) mode before responding.

- **Shutter Sync Settings**

  1. **High-speed sync:** press the <**SYNC**> button and is displayed on the LCD panel. Press the MENU or shortcut Fn on Sony camera to enter Flash Mode and choose Fill-flash. Then, set the camera shutter.
  2. Second-curtain sync: press the MENU or shortcut Fn on Sony camera to enter Flash Mode and choose REAR flash. Then, set the camera shutter.

- **Buzz Settings**

  Press the <**MENU**> button to enter C.Fn BEEP and press the <**SET**> button. Choose ON to turn on the BEEP while OFF to turn off it. Press the <**MENU**> button again to back to the main menu.

- **Sync Socket Settings**

  1. Press the <**MENU**> button to enter C.Fn SYNC and press the <**SET**> button to choose IN or OUT.

   Press the <**MENU**> button again to back to the main menu.

     1.1 When choosing IN, this sync socket will enable X2 to trigger flash.

     1.2 When choosing OUT, this sync socket will send trigger signals to trigger other remote control and flash.

- **TCM Function**

  TCM function allows to convert TTL flash light output readings made by the camera into manual mode.

  1.1 Set the flash trigger to TTL mode and attach it to the camera. Press the shutter for shooting.

  1.2 Long press the <**TCM**> button, and the flash value in TTL mode will transform into power output value in M mode (The displayed minimum value is the set Min. value).

  1.3 Please refer to the C.Fn setting custom functions to see the flash models which are compatible with TCM functions.
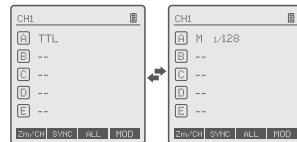
  Note: Please choose the relevant models in TCM function in C.Fn custom settings according to your own flash.

• SHOOT Function Settings

Press the <**MENU**> button to enter C.Fn SHOOT.
Press the <**SET**> button to choose one-shoot or multi-shoots, and press the <**MENU**> button again to back to the main menu.

One-shoot: When shooting, choose one-shoot. In the M and Multi mode, the master unit only sends triggering signals to the slave unit, which is suitable for one person photography for the advantage of power saving.

Multi-shoots: When shooting, choose multi-shoots, and the master unit will send parameters and triggering signals to the slave unit, which is suitable for multi person photography. However, this function consumes power quickly.

APP: Only send triggering signal when camera is shooting (control the flash's parameters by smartphone APP).

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• C.Fn: Setting Custom Functions

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

Custom Function	Function	Setting Signs	Settings and Description
STBY	Sleep	ON	ON
		OFF	OFF
BEEP	Beeper	ON	ON
		OFF	OFF
MIN	Power output value	1/128	The minimum output is 1/128
		1/256	The minimum output is 1/256
LIGHT	Backlighting time	12sec	Off in 12 seconds
		OFF	Always off
		ON	Always lighting
SYNC	Sync cord jack	IN	Enable X2 to trigger flash
		OUT	Export triggering signal to trigger other remote control and flash
GROUP	Group	5 (A-E)	5 groups (A-E)
		16 (O−F)	16 groups (0-F); 16 groups when the receiver end is studio flash, which can only be set to M mode in this state
LCD	Contrast ratio of LCD panel	−3−+3	The contrast ration can be set as integral number from -3 to +3

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Custom Function	Function	Setting Signs	Settings and Description
SHOOT	👤	One-shoot	Only send triggering signals in the M & Multi mode when camera is shooting
	👤👤👤	Full-shoot	Send parameters and triggering signal when camera is shooting(suitable for multi person photography)
	APP	APP	Only send triggering signal when camera is shooting (control the flash's parameters by smartphone APP)
DIST	Triggering distance	0–30m	0-30m triggering
		1–100m	1-100m triggering
ID	Wireless ID	OFF	Off
		01–99	Choose any figure from 01-99 (the current flashes cannot use this function temporarily)
TCM	TCM transform function	🔲	Stroboss 60 series	The power output values in the M mode which are transformed from TTL mode, being subjected to the master flash when mixing
		200j	Reporter 200 TTL	
		360j	Reporter 360 TLL / Atlas 600 TTL / Atlas 600 Pro TTL	
		600j		

• **Compatible Flash Models**

Transmitter	Receiver	Flash	Note
Navigator X2 S	––	Pulse Pro X/Pulse X/Move X Atlas 600/Atlas 600 TTL/600 Pro TTL Reporter 200 TTL/360 TTL Stroboss 60/60evo Stroboss 36/36evo Quadralite A1	
	Navigator X S Receiver	F42AM/HVL-45RM/HVL-F60M/ HVL-F43M/ HVL-F32M/F58AM	As there are so manlashes in the market which are compatible with Sony speedlites, we do not test one by one.
	Navigator X USB	Rx400 Ringflash Reporter 180/360	

Note: The range of support functions: the functions that are both owned by X2 S and flash.

- **Navigator X USB and Navigator X S receiver settings:**

Navigator X USB receiver (Code Switch)	ON	ON	ON	ON	ON	ON	ON	ON
Navigator X 2 (Display Screen)	CH01	CH02	CH03	CH04	CH05	CH06	CH07	CH08
Navigator X USB receiver (Code Switch)	ON	ON	ON	ON	ON	ON	ON	ON
Navigator X 2 (Display Screen)	CH09	CH10	CH11	CH12	CH13	CH14	CH15	CH16

X2 Compatible Camera Models

This flash trigger can be used on the following Sony series camera models:

a77 II	a77	a99	ILCE-6000L	a9	A7R	A7RIII	a350

DSC-RX10

1. This table only lists the tested camera models, not all Sony series cameras. For the compatibility of other camera models, a self-test is recommended.
2. Rights to modify this table are retained.
3. The cameras which are released before 2012 do not have TTL mode in their D and E group.

X2 Technical Data

Model	Navigator X2 S
Compatible cameras	Sony cameras (TTL autoflash)
	Support for the cameras that have PC sync socket.
Power supply	2*AA batteries
Flash Exposure Control	
TTL autoflash	Yes
Manual flash	Yes
Stroboscopic flash	Yes
Function	
High-speed sync	Yes
Second-curtain sync	Yes
Flash exposure compensation	Yes, ±3 stops in 1/3 stop increments
Flash exposure lock	Yes
Focus assist	Yes
Modeling lamp	Control the modeling lamp by the flash trigger
Beeper	Control the beeper by the flash trigger
Wireless setting	The receiver end can control the camera shooting through the 2.5mm sync cord jack
ZOOM setting	Adjust the ZOOM value by the transmitter
TCM function	Transform the TTL shooting value into the output value in the M node
Firmware upgrade	Upgrade through the Type-C USB port
Memory function	Settings will be stored 2 seconds after last operation and recover after a restart

Model	Navigator X2 S
Wireless Flash	
Transmission range (approx.)	0-100m
Built-in wireless	2.4G
Modulation mode	MSK
Channel	32
Wireless ID	01-99
Group	16
Other	
Display	Large LCD panel, backlighting ON or OFF
Dimension/Weight	90x58x50mm/80g
2.4G Wireless Frequency Range	2413.0MHz-2464.5MHz
Max. Transmitting Power of 2.4G Wireless	5dbm

• Restore Factory Settings

Synchronously press the two function button in the middle, and the restore factory settings are finished until the "RESET" is displayed on the LCD panel.

• Firmware Upgrade

This flash trigger supports firmware upgrade through the Type-CUSB port. Update information will be released on our official website.

> • USB connection line is not included in this product. As the USB port is a Type-C USB socket, please use Type-C USB connection line.
> • As the firmware upgrade needs the support of Godox G2 software, please download and install the "Godox G2 firmware upgrade software" before upgrading. Then, choose the related firmware file.

> • As the products needs to do firmware upgrade, please refer to instruction manual of the newest electric version as final.

1. **Unable to trigger flash or camera shutter.** Make sure batteries are installed correctly and Power Switch is turned on. Check if the transmitter and the receiver are set to the same channel, if the hotshoe mount or connection cable is well connected, or if the flash triggers are set to the correct mode.
2. **Camera shoots but does not focus.** Check if the focus mode of the camera or lens is set to MF. If so, set it to AF.
3. **Signal disturbance or shooting interference.** Change a different channel on the device.
4. **Disturbed by the 2.4G signal in outer environment (e.g. 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.
5. **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).

6. **Whether the distance between the flash trigger and the flash is too close or not**

→ Please turn on the "close distance wireless mode" on the flash trigger (< 0.5m):

→ Please set the C.Fn-DIST to 0-30m.

7. **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).

X2 Maintenance and Warranty

- **Avoid sudden drops.** The device may fail to work after strong shocks, impacts, or excess stress.
- **Keep dry.** The product isn't water-proof. Malfunction, rust, and corrosion may occur and go beyond repair if soaked in water or exposed to high humidity.
- **Avoid sudden temperature changes.** Condensation happens if sudden temperature changes such as the circumstance when taking the transceiver out of a building with higher temperature to outside in winter. Please put the transceiver in a handbag or plastic bag beforehand.
- **Keep away from strong magnetic field.** The strong static or magnetic field produced by devices such as radio transmitters leads to malfunction.

X2 Statement

A. 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.

B. Warning: Changes or modifications to this unit not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

C. 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.