



**TR-X 32  
FOR NIKON**

**User Guide**



... solutions for you

Thank you for purchasing FOMEI'products.

Please read this user manual carefully before using this product.

E-mail: [sls@fomei.com](mailto:sls@fomei.com)

Website: [www.fomei.com](http://www.fomei.com)

### **Safety warning:**

1. Do not disassemble the product. In case of damage contact a service FOMEI or contractual service with trained professionals.
2. Keep this product out of reach the rain or humidity to avoid damage or injury.
3. Do not use in the presence of flammable gas.
4. The product is not suitable for children.
5. Turn off the transceiver immediately in the event of malfunction.
6. Do not use the product in extreme temperatures.
7. Be careful with handling batteries.
8. Keep away from strong magnetic field.

## A) Product overview

### a) Transmitter



1. Battery compartment
2. Micro USB port and PC sync socket
3. Hot shoe speedlight connection
4. AF assist beam switch
5. Power switch
6. Trigger button (TEST)
7. Indicating light
8. LCD panel
9. Hot shoe camera connection
10. Channel setting button (CH/OK)
11. Group setting button (GR)
12. Select dial
13. Mode selection button (MODE)

## b) Receiver



1. Battery compartment
2. Micro USB port and 2,5mm shutter release port
3. Hot shoe speedlight connection
4. Power switch
5. Trigger button (TEST)
6. Indicating light
7. LCD panel
8. Channel setting button (CH)
9. Group setting button (GR)

## Transmitter display



## Receiver display



## **B) About product**

TR-X 32 is wireless TTL flash trigger. This product can be used with a transmitter and one or more receivers for studio flash, speedlight and camera shutter. Featuring multi-channel triggering, stable signal transmission and sensitive reaction, it gives photographers unparalleled flexibility and control over their setups. The TR-X 32 applies to hotshoe-mounted Nikon DSLR series cameras, as well as the cameras which have PC sync sockets. With TTL wireless flash trigger, high speed synchronization is available for most of camera flashes in the market which support i-TTL. The max flash synchronization speed is up to 1/8000s (1/8000s is achievable when the camera has a max camera shutter speed of 1/8000s).

### **Battery:**

There are two "AA" batteries in the transmitter and receiver. If the batteries are weak, the indicating light blink quickly.

### **Using the flash trigger:**

TR-X 32 features the following functions:

#### **1) As a wireless studio flash trigger**

- a) Mount the transmitter on camera hotshoe and turn it on before turning on the camera.
- b) Connect the receiver to studio flash by sync cable (one end in 2,5mm shutter release port of the receiver, the other end in sync port of studio flash) before turning on the studio flash.
- c) Set the transmitter and the receiver to the same channel.
- d) Press the camera shutter button and the studio flash will be triggered simultaneously. The indicating light of transmitter and receiver units turn red.

#### **2) As a wireless speedlight trigger**

- a) Mount the transmitter on camera hotshoe and turn it on before turning on the camera.
- b) Mount the speedlight to hotshoe speedlight connection of receiver unit. Set the speedlight to „M“mode.
- c) Set the transmitter and the receiver units to the same channel.
- d) Press the camera shutter button and the speedlight will be triggered simultaneously. The indicating light of transmitter and receiver units turn red.

#### **3) As a wireless shutter release**

- a) Connect the receiver and the camera by remote cable (one end in receiver's shutter release port, the other end in camera's shutter port) before turning on the camera.
- b) Half press the „TEST“ to focus. When fully press the „TEST“ to shoot, the indicating light will turn red until releasing the button.

#### **4) As a wireless studio flash trigger or speedlight trigger with PC sync socket**

- a) The transmitter will control the flash on the receiver end to fire via using PC sync socket as input by default.
- b) Press the camera shutter and use the PC sync socket's signal to control the flash.

- c) PC sync socket can also be set as output. Long press the „CH/OK“ button of transmitter until „Fn“ is displayed on the panel. Then set the value of C.Fn-03 to „ou“ and the PC sync socket is under output mode.

#### **Attention:**

- 1) **To fire flashes normally, please set the camera flash which connects to the transmitter or receiver to i-TTL mode.**
- 2) **To set zoom functions, please open the zoom functions on the camera flash.**
- 3) **Nikon's CLS system can only control four groups (M, A, B, C). D and E group cannot be used in TTL mode.**

### **Setting the transmitter:**

- **Power switch** – slide the power switch to „ON“ and the device is on and the indicating light will not blink.
- **Power switch of AF assist beam** – slide the power switch to „ON“ and the AF Lighting is allowed to output.
- **Channel setting**
  - 1. Short press the „CH/OK“ button until the channel amount blinks.
  - 2. Turn the select dial to choose the appropriate channel. Press the „CH/OK“ 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.
- **Mode setting**
  - 1. Short press the „MODE“ button and the mode of the current group will change.
  - 2. The current group's mode will be changed by the order of TTL/M/-- modes („--“ means „OFF“ and the current group will not fire a flash in this mode)
- **Current group setting**
  - 1. Short press the „GR“ button to set the current group.
  - 2. The current group settings will blink and turn the select dial to change the settings.
  - 3. When the current group is in the „M“ mode, the power output value is changeable from 1/1 (full power) to 1/128 (minimal power).
  - 4. Short press the „GR“ button again to confirm the settings.
- **Multi flash group ON/OFF settings**
  - 1. Open the multi flash in the C.Fn custom functions (set C.Fn-04 as „on“).
  - 2. Short press „MODE“ button to change the mode of selected group.
  - 3. The current group's mode will be changed simultaneously by the order of on/-- (-- means „OFF“ which means that the current group will not fire flashes in this mode).
- **Multi flash parameter setting**
  - 1. Enter into multi flash mode before setting.
  - 2. Long press the „MODE“ button to enter multi flash parameter setting menu.
  - 3. Then, (output value), „T“ (flash times) and „H“ (flash frequency) will be displayed on the LCD panel.
  - 4. Short press the „GR“ button to choose the settings. Turn the select dial to change the blinking setting amount. Continue to press the „GR“ button until all the amounts are set. Then short press the „MODE“ button to exit.

- **Group settings**
  - 1. Long press the „GR“ button to set all effective groups simultaneously.
  - 2. The settings of all effective groups will blink. Turn the select dial to change the settings, until one of the group’s settings turns to the maximum or the minimum and all settings of the effective groups will not change now.
  - 3. If the current group is in the „M“ mode, the power output value is changeable from 1/1 (full power) to 1/128 (minimal power) in 0,3 stop increments, until one of the group’s setting turns to the maximum (1/1) or the minimum (1/128). If the current group is in the „TTL“ mode, all the other groups which are in the „M“ mode will change their FEC amount simultaneously. The FEC amount is changeable from -3 to 3 in 0,3 stop increments, until one of the group’s setting turns to the maximum (3) or the minimum (-3). If the current group is in the „--“ mode (flash OFF) the amounts will not change.
  - 4. If the groups in the „M“ mode or „TTL“ mode work together, the first FEC amount which up to the maximum or the minimum is considered as the limitation.
  - 5. Short press the „GR“ button again to confirm the setting.
- **Test flash**
  - 1. Press the „TEST“ to see the whether flash will fire normally or not.
  - 2. Fully press the „TEST“ and the indicating light turns red and the flash on the receiver end can be triggered.
  - 3. Use the transmitter to control camera to focus or shoot and the transmitter is connecting to the camera (do not connect to the flash) now.
  - 4. In the standby mode, press the „TEST“ can wake up the receiver.
  - 5. The settings on the transmitter end will synchronize to the receiver end at the same time.
- **Modeling lamp control** – double-click the „CH/OK“ button to power ON/OFF the modeling lamp.
- **Automatically enter power saving mode**
  - 1. The flash trigger will go into standby mode after the transmitter enter sleep mode and the displays on the LCD panel will disappear.
  - 2. Press any of the button can wake up the flash trigger. If the transmitter is attached to the Nikon DSLR camera, half press the shutter can also wake up the system.
  - 3. If the transmitter is set to single contact mode, the system will not enter power saving mode.
- **C.Fn: setting custom functions** – The following table lists the available and unavailable custom functions of this flash.

Custom functions number	Functions	Setting signs	Settings and description
C.Fn-00	Synchronization delay setting	0	No delay
		1-100	Master flash synchronization delay N*100
C.Fn-01	Single contact mode	--	OFF
		on	It is advisable to set the transmitter to single contact mode when using it to trigger the flash by PC cord or through camera’s single contact.

C.Fn-02	Zoom setting	AU	Changing with camera's zoom value, flash's auto zoom functions should be turned on.
		20, 24, 28, 35, 50, 70, 80, 105, 135, 200	Zoom (20, 24, 28, 35, 50, 70, 80, 105, 135, 200 mm)
C.Fn-03	PC sync socket as an input/output	In	PC sync socket connects with camera as an input.
		ou	PC sync socket connects with camera as an output.
C.Fn-04	Multi flash ON/OFF	--	Multi flash OFF
		on	Multi flash ON
C.Fn-05	Minimum power output value in M/Multi mode	1/128	1/128
		1/256	1/256
C.Fn-06	AF assist	--	OFF
		on	ON
C.Fn-07	Displayed groups	03	3 groups displayed
		05	5 groups displayed
C.Fn-08	Beeper ON/OFF	--	Turn off the beeper on the receive end
		on	Turn on the beeper on the receive end
Double-click the „CH“ button to turn on/off the modeling lamp of the receive end.			
Press the „TEST“ to turn on the flash trigger. When the indicating light blinks two times, it means the effective remote distance is below 30m, thus the transmitter and receiver can communicate normally no matter how near they are.			

1. Press the „CH/OK“ button for 2s or longer until „Fn“ is displayed.
  2. Select the custom function number with the select dial.
  3. Change the setting
    - Press the „GR“ button until the custom function number blinks.
    - Turn the select dial to set the desired number. Pressing „GR“ button will confirm the settings.
    - Press „MODE“ button to exit the „C.Fn“ settings.
- **Wireless shutter release mode** – half press the „TEST“ to focus. Fully press the „TEST“ and the indicating light turns red. Now camera is ready to shoot. When releasing the button, the indicating light turns off.
  - **Setting the camera** – to achieve FP flash, set „e1: flash sync speed“ to „1/250s (Auto FP)“ in the Nikon camera setting to get a stable transition from standard sync mode to high speed sync mode. Do not use 1/320s (Auto FP).

## Setting the receiver:

- **Channel setting**
  - 1. Short press the „CH“ button and the channel amount will increase a step each time.
  - 2. Long press the „CH“ button will enter quicker adjustment mode. The channel amount will increase fast in this mode.
  - 3. Release the „CH“ button and the current channel amount is confirmed.
  - 4. The channel amount will increase from 1 to 32. when the current channel is 32, press „CH“ button again and the channel 1 will be displayed on the panel.
- **Group settings**
  - 1. Short press the „GR“ button and the group amount will increase a step each time.
  - 2. Long press the „GR“ button will enter quicker adjustment mode. The group amount will increase fast in this mode.
  - 3. Release the „GR“ button and the current group amount is confirmed.
  - 4. The group amount will increase from A to E. when the current group is E, press the „GR“ button again and the group A will be displayed on the panel.
- **Automatically enter power saving mode**
  - 1. The system will go into standby mode after the transmitter goes into standby mode. And the displays on the LCD panel disappear now.
  - 2. To wake up the system, press the „TEST“ or the „GR“ button. Fully press the „TEST“ of the transmitter can also wake up the receiver’s system. If the transmitter is attached to the Nikon DSLR camera, half press the camera shutter can also wake up the system.

## Selecting the operation method

### Transmitter:

TR-X 32 – operation method 1 (by default)		
TTL/M mode		
Button	Operation	Function
CH/OK	Short press	Enter „CH“ settings (under normal status), confirm and back to normal status (under settings)
	Double-click	Control the ON/OFF of modeling flash
	Long press for 2s	Enter C.Fn custom settings
	Long press for 5s	Switch the operation methods (method 1/method 2)
GR	Short press	select power/FEC settings
	Long press for 2s	Select all the group
MODE	Short press	switch the group > mode (TTL/M/--)
Select dial	<b>Status</b>	<b>function</b>
	Normal	Set the group
	Set the channel	Adjust the channel amount
	Set the group	Adjust the group’s power/FEC amount

Multi mode (C.Fn-04-on)		
Button	Operation	Function
CH/OK	Short press	Enter „CH“ settings (under normal status), confirm and back to normal status (under settings)
	Double-click	Control the ON/OFF of modeling flash
	Long press for 2s	Enter C.Fn custom settings
	Long press for 5s	Switch the operation methods (method 1/method 2)
GR	Short press	Set power/times/frequency hz (under PTH status)
MODE	Short press	Switch the ON/OFF of the group
		Back to normal status (under PTH status)
	Long press for 2s	Enter PTH status (P-power, T-times, H-hz)
Select dial	<b>Status</b>	<b>Function</b>
	Normal	3/5 groups (*)
	Set the channel	Adjust the channel amount
	Set the group	Adjust the group's power amount
	Set the flash times	Adjust the times amount
	Set the flash frequency	Adjust the frequency amount

TR-X 32 – operation method 2		
TTL/M mode		
Button	Operation	Function
CH/OK	Short press	Enter „CH“ settings (under normal status), confirm and back to normal status (under settings)
	Double-click	Control the ON/OFF of modeling flash
	Long press for 2s	Enter C.Fn custom settings
	Long press for 5s	Switch the operation methods (method 1/method 2)
GR	Short press	Select the group downwardly
	Double-click	Select the group upwardly
	Long press for 2s	Select all the group
MODE	Short press	Switch the group's flash mode (TTL/M/--)
Select dial	<b>Status</b>	<b>Function</b>
	Normal	3/5 groups (*)
	Set the channel	Adjust the channel amount
	Set the group	Adjust the group's power amount

Multi mode (C.Fn-04-on)		
Button	Operation	Function
CH/OK	Short press	Enter „CH“ settings (under normal status), confirm and back to normal status (under settings)
	Double-click	Control the ON/OFF of modeling flash
	Long press for 2s	Enter C.Fn custom settings
	Long press for 5s	Switch the operation methods (method 1/method 2)
GR	Short press	Select the group downwardly
		Set power/times/hz (under PTH status)
	Double-click	Select the group upwardly
MODE	Short press	Set the group's ON/OFF
		Back to normal status (under PTH status)
	Long press for 2s	Enter PTH status
Select dial	<b>Status</b>	<b>Function</b>
	Normal	3/5 groups (*)
	Set the channel	Adjust the channel amount
	Set the group	Adjust the group's power amount
	Set the flash times	Adjust the times amount
	Set the flash frequency	Adjust the frequency amount

(\*) 3 or 5 groups refers to wireless group. If there is a camera flash attached on the transmitter, the camera flash belongs to „M“ group instead of 3 or 5 groups. Choose 3 or 5 groups by setting C.Fn-07 to 03 or 05.

## Receiver:

Button	Operation	Function
CH	Short press	Select the channel downwardly
	Double-click	Select the channel upwardly
GR	Short press	Select the group downwardly
	Double-click	Select the group upwardly

## Attentions:

1. Make sure that 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. Check if the focus mode of the camera or lens is set to MF. If so, set it to AF.

### C) Specifications:

<b>Model</b>	<b>TR-X 32</b>
<b>Type</b>	<b>Nikon</b>
Compatible cameras	Nikon DSLR (i-TTL autoflash)
	Support for the cameras that have PC sync socket
System	2.4G wireless transmission
Modulation mode	MSK
Power supply	2x AA batteries
<b>Exposure control</b>	
Manual flash	Yes
TTL autoflash	i-TTL
<b>TTL</b>	
High-speed sync	Yes
Flash exposure compensation	Yes, $\pm 3$ stops in 1/3 stop increments
Flash exposure lock	Yes
Focus assist	Manual open
Multi flash	Yes (AD360II/TT685N as receiver)
Second curtain sync	Yes (setting on the camera)
Modeling flash	Yes, fired with camera's depth-of-field preview button
<b>Wireless flash</b>	
Wireless function	Compatible with Nikon CLS (Creative Lighting System)
Controllable slave group	Max. 6 groups (M/A/B/C/D/E)
Transmission range	>100m
channel	32
<b>Others</b>	
Synchronization delay set	Yes (0-100ms)
Wireless shutter release	Receiver can control camera shooting through 2,5mm sync port
Zoom setting	Adjust the flash's focal length through the transmitter
LCD panel	Wide LCD panel, backlight ON/OFF
Output interface	Transmitter: use a PC cord to input and output
	Receiver: use a 2,5mm sync cord to output
Firmware upgrade	Use the micro USB port to upgrade
Memory function	Settings will be stored 2s after last operation and recover after a restart
Dimension and weight for transmitter	72x75x52mm/100g
Dimension and weight for receiver	70x65x47mm/70g

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**FOMEI a.s.**  
Machkova 587  
Hradec Králové

Tel.: +420 495 056 500  
Fax: +420 495 056 511  
E-mail: [info@fomei.com](mailto:info@fomei.com)

.....

servis:  
Tel.: +420 495 056 505  
E-mail: [servis@fomei.com](mailto:servis@fomei.com)

**[www.fomei.com](http://www.fomei.com)**