

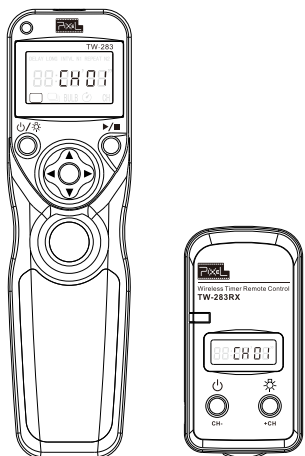


Wireless Timer Remote Control

TW-283



User Manual



1

Overview

First, thanks for choosing PIXEL high-performance wireless timer remote control TW-283. It features simple single shooting, continuous shooting, [BULB] shooting, delay shooting and timer schedule shooting. With low power consumption LCD screen, it makes your shooting plan clear and more convenient to use delay shooting and timer schedule shooting.

Before using this product, you must read the manual and fully understand how to use it and ensure that you can easily handle the operation method and also use it properly.

Precautions

- △ Make sure the batteries are installed correctly, or it may lead to leak, overheat or crack.
- △ Before attaching Receiver (TW-283RX), please make sure the camera and Receiver are powered-on.
- △ When connecting power line and the device, please do not pull and drag.
- △ This product involved in electronic product accessories which may cause the failure to use of this device. But this possibility is very low.
- △ Do not put this product in strong vibration, or it may cause fault of this product.
- △ Power off the device and remove the batteries during long periods of non-use.
- △ Do not expose this product in high temperature locations, such as confined car exposed to strong direct sunlight, control panel and other overheating places.
- △ Keep it dry. Do not touch this product with wet hand. Do not expose this product to water or rain, or you may not be able to use it.

2

- △ Do not use it inflammables gas, or it may cause explosion or fire.
- △ This product involved in battery. Please strictly follow the corresponding operations related to battery, or it may cause explosion or fire.

TW-283 Introduction

- Adopting wireless remote control technology, it can remote control cameras with external shutter socket to shoot.
- Using FSK module, its reliability and stability are improved. The application of 2.4GHz global free frequency range enables 30 channels for options.
- The remote control distance can up to 80M.
- LCD screen displays channel, battery level and function mode which is easy to comprehend and simple to handle.
- Ultra-low power consumption under stand-by mode. The powered by AAA batteries.
- Interchangeable connecting cable for different brand's camera models.
- Supports simple single shooting, continuous shooting, [BULB] shooting, delay shooting and timer schedule shooting.
- Available to set timer schedule shooting by setting related parameters.

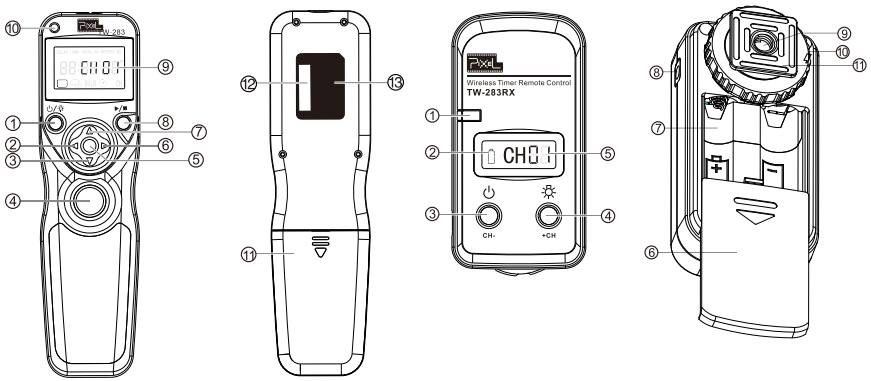
Item Included

After opened the package, please check the below items are included. If any accessories shown as below is Not included, please contact the dealer.

1. Transmitter (TW-283TX)-----1 pc
2. Receiver (TW-283RX)-----1pc
3. Shutter connecting cable----- 1pcs
4. User manual----1 pc

3

Name of Each Part:



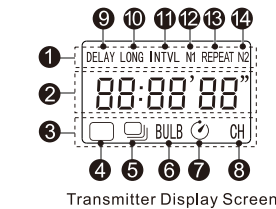
TW-283 Transmitter

TW-283 Receiver

4

Transmitter(TW-283TX)

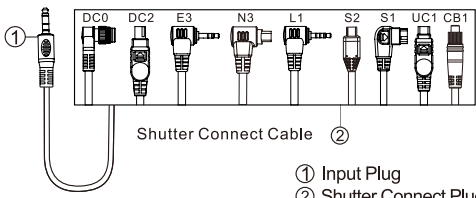
- ① Power ON/OFF/Backlit Button
- ② Shift Left Button
- ③ Number Reduce Button
- ④ Release Button
- ⑤ Set/Confirm Button
- ⑥ Shift Right Button
- ⑦ Number Add Button
- ⑧ Timer Schedule Start/Stop Button
- ⑨ Display Screen
- ⑩ LED Light Indicator
- ⑪ Battery Cover
- ⑫ Serial No.
- ⑬ Product Back Sticker



Transmitter Display Screen

Receiver(TW-283RX)

- ① LED Light Indicator
- ② Low Battery Icon
- ③ Power Switch/ Channel Reduce Button
- ④ Backlit Button/Channel Add Button
- ⑤ Channel Display Screen
- ⑥ Battery Cover
- ⑦ Battery compartement
- ⑧ Signal Control Output Port
- ⑨ Quick-Mstalled fixed corew
- ⑩ Hot Shoe Lock Nut
- ⑪ Hot Shoe Fixed Mount



① Input Plug
② Shutter Connect Plug

5

Transmitter Display Screen

- ① Timer Schedule Function Zone
- ② Time Display Zone
- ③ Function Zone
- ④ Single Shooting Icon
- ⑤ Continuous Shooting Icon
- ⑥ BULB Shooting Icon
- ⑦ Delay Shooting Icon
- ⑧ Communication Channel Icon
- ⑨ Timer Schedule Delay Icon
- ⑩ Timer Schedule Exposure Time Icon
- ⑪ Timer Shooting Interval Time Icon
- ⑫ Timer Shooting Numbers Icon
- ⑬ Repeat Timer Schedule Interval Time Icon
- ⑭ Repeat Timer Schedule Times Icon

Device installation and Usage

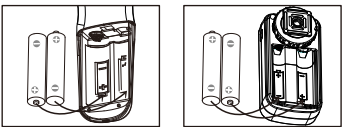
Before using, you must read your camera user manual carefully and understand camera operation methods and function settings. Because camera function settings may affect the effective control of this device over your camera.

Install and Change Batteries

When is in low battery, the letters on the display screen darkens or the low battery icon [] blinks, it shows that the battery voltage is lowered to the level that may affect its performance. Please ready spare batteries. (The Transmitter is powered by AAA batteries.)

1. Please Install batteries correctly to the compartment according to the + and - terminal of the batteries.

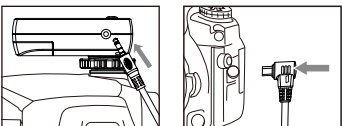
6



TW-283 Transmitter TW-283 Receiver

- △ When installing batteries, please note the terminal of the batteries. Faulty operation will cause the fault of this device, or even damaged to the device or personnel injury.

Connect Receiver to Camera



1. Make sure the Receiver is installed in the right place. And the camera and Receiver are powered-on.
2. First, please insert the input socket of the shutter connecting cable to the signal control output socket of the Receiver. Please make sure the cable is inserted to the end.
- The remote control may not be able to control the camera if the connecting cable is NOT inserted to the end.

3. Mount the camera on the tripod or other mounting bracket. Open the protective cover of your camera external shutter socket, and then insert shutter socket to camera external shutter socket in the right place. Please lock the nut if available.

- The external shutter socket of most cameras have misplug-proof gap. When inserting the socket, please note the direction to avoid the damage of camera external shutter socket.

4. Turn on the Receiver and your camera.

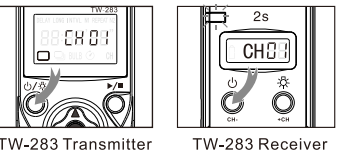
7

Power ON/OFF

◆TW-283 Transmitter

- 1.Power On/Off Transmitter(TW-283TX).Press power buttonfor []2sec to turn on the Transmitter.
- 2.After powered-on, the timer scedule and communicationchannle that have been set remain in effect
3. The Transmitter stand-by time is 30 mins. If no operations performed after 30 mins, the Transmitter will turn off automatically.

◆ TW-283 Receiver



TW-283 Transmitter TW-283 Receiver

3. The Receiver will not turn on or off automatically. When power is ON, press the power button for 2 sec to turn off the Receiver.

Channel Setting

- ◆ Set Transmitter Communication Channel (TW-283TX)

8

1. Press Shift Left Button [] or Shift Right Button [] to move the Transmitter function icon to channel [CH] icon.
2. Press Set/Confirm Button to enter channel setting. At this time, channel number will blink .
3. Adjust channel numbers by pressing number add button [] or Number Reduce Button [].

4. Repress Set/Confirm Button to save current channel setting.

Set Receiver Communication Channel (TW-283RX)

1. Turn on the power, the communication channel is shown as you have been set before by default.
2. Press [+CH] and [CH-] button at the same time to enter channel setting. The channel icon [CH] on the display screen will blink.
3. Press [+CH] to add 1 channel and [CH-] to reduce 1 channel.
4. Repress [+CH] and [CH-] button at the same time or if no operation performed for 10 sec to save and exit.

- *For effective control, the Transmitter and Receiver must set to the same channel.

Turn on Backlit

◆Transmitter (TW-283TX)

- Gently press []button to turn on LCD screen backlit.

◆Receiver (TW-283RX)

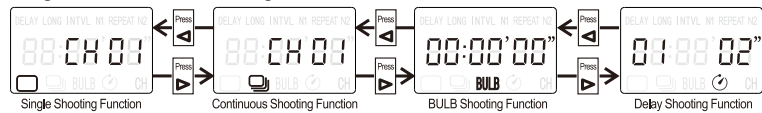
- When power is ON, press and hold backlit button[]for 2 set to turn on the backlit.

9

- After opened the backlit, it will light up all the time if the operation interval time between two buttons operations is within 6 sec.
- The backlit will not turn on or turn off manually. It will be turned off automatically if no any operations performed for 6 sec.

Shooting Control

Shooting Function Select Diagram:



The below usage introduction is based on the operation when the Receiver and camera are connected properly and powered-on. The shooting function introduction see below.

Single Shooting

1. When power is ON, move Transmitter function icon to single shooting icon [] by pressing shift left button [] or shift right button [].
2. Half-press release button, the Transmitter will send focus signal. The green LED light indicator on the Transmitter and Receiver will light up, and the camera is in focusing status until you release or full-press the button.

10

3. Full-press release button, the Transmitter will send shooting signal. The red LED light indicator on the Transmitter and Receiver will light up for a moment. The camera is shooting.

- Please set camera function setting as [].
- When camera function setting is [], it may shoot continuously.
- When camera function setting is [BULB], camera will shoot with Bulb function. It may cause underexposure or overexposure.
- When camera function setting is [], camera will delay shooting.

Continuous Shooting

1. When power is ON, move Transmitter function icon to continuous shooting icon [] by pressing shift left button [] or shift right button [].
2. Half-press release button, the Transmitter will send focus signal. The green LED light indicator on the Transmitter and Receiver will light up, and the camera is in focusing status until you release or full-press the button.
3. Full-press release button, the red LED light indicator on the Transmitter and Receiver will light up. Full-press and hold this button, the Transmitter will send shooting signal continuously. The red LED light indicators on both of the Transmitter and Receiver will light up steadily. Camera will start continuous shooting.
4. Release the release button, the Transmitter will stop sending signal. Camera will stop shooting.

- Set camera function setting as [].
- When camera function setting is [], it may starts single shooting.
- When camera function setting is [BULB], camera will shoot with Bulb function. It may cause underexposure or overexposure.

11

- When camera function setting is [], camera will perform one time or many times delay shooting.

BULB Shooting

1. When power is ON, move Transmitter function icon to BULB shooting icon [BULB] by pressing shift left button [] or shift right button [].
2. Half-press release button, the Transmitter will send focus signal. The green LED light indicator on the Transmitter and Receiver will light up, and the camera is in focusing status until you release or full-press the button.
3. Full-press and hold this button, the Transmitter will send BULB signal. The red LED light indicator starts to blink and time. The red LED light indicator lights up steadily, the Receiver outputs shooting signal continuously. The camera starts to continuous exposure shooting.
4. Repress release button, the Transmitter outputs BULB shooting end signal and exposure time will be displayed. And then camera will stop exposure shooting.

- Set camera function setting as [BULB]
- When camera function setting is [], camera will shoot only once and won't perform BULB shooting.
- When camera function setting is [], camera will shoot continuously.
- When camera function setting is [], camera will perform delay shooting once.

Delay Shooting

TW-283 delay shooting function is applied to set custom delay time and number of shots.

- ◆ Delay Shooting Setting

12

1. When power is ON, move Transmitter function icon to delay shooting icon [] by pressing shift left button [] or shift right button [] . Press SET button to enter delay shooting time setting. Shooting time value [] blinks, press [] to add delay time and press [] button to reduce delay time. You can set shooting time between 1-59sec.
2. Press [] button to enter the number of shots setting of delay shooting. This number of shots[] blinks, press [] to add number of shots and press [] button to reduce number of shots. You can set number of shots as 1-59 pictures.
3. After setting the parameters, press SET button to save the parameters and exit.

- After entering delay shooting setting, the Transmitter will save the setting parameters that you set last time.
- By pressing shift left button [] or shift right button [], you can switch the setting between number of shots and delay time.
- Gently press [] button once, setting value will be added one, press and hold this button, the setting value will be added quickly; Gently press [] once, setting value will be reduced one, press and hold this button, setting value will be reduced quickly.

◆Delay Shooting Operation

1. Move Transmitter function icon to delay icon [] by pressing shift left button [] or shift right button [] .
2. Half-press release button, the Transmitter will send focus signal. The green LED light indicator on the Transmitter and Receiver will light up, and the camera is in focusing status until you release or full-press the button.
3. Full-press release button, the Transmitter will send all shooting information to the Receiver. The Transmitter starts to delay count down, and the red LED light indicator on the Receiver

13

will blink quickly and enter delay shooting status.

4. After the count down is done, the Receiver will output one shooting signal every one second to control camera to shoot according to the number of shots.
5. Before the count down is done, repress release button or any buttons on the Receiver will end this time delay schedule operation.

- Please set camera function setting as []
- When camera function setting is [], it may shoot continuously.
- When camera function setting is [BULB], camera will shoot with Bulb function. It may cause underexposure or overexposure.
- When camera function setting is [], camera will perform one time or many times delay shooting.
- When camera lens focus function setas [M], half-press the release button of the Transmitter, the camera will not perform focus operation.
- When camera lens focus function set as [AF], most cameras will not perform shooting operation if they cannot find focus point, even they received shooting signal.

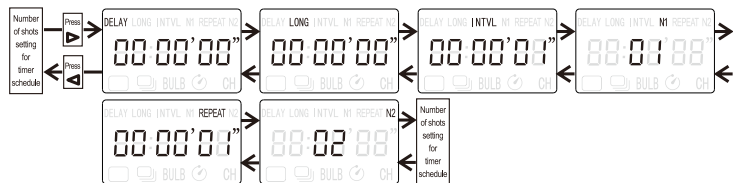
Timer Schedule Shooting

◆ Timer Schedule Shooting Diagram

1. When power is ON, move Transmitter function icon to timer schedule shooting function by pressing shift left button [] or shift right button [] .
2. Press SET button to enter corresponding setting.
3. Gently press [] button once, setting value will be added one, press and hold this button, the setting value will be added quickly; Gently press [] once, setting value will be reduced one, press and hold this button, setting value will be reduced quickly.
- Under timer schedule shooting, [N1] can set 1-99 pictures, repeat shooting times [N2] can set 1-99 pictures, and " " can set unlimited times.

14

- If you don't need to repeat timer schedule shooting, please set the repeat interval shooting time and repeat shooting times as 1.

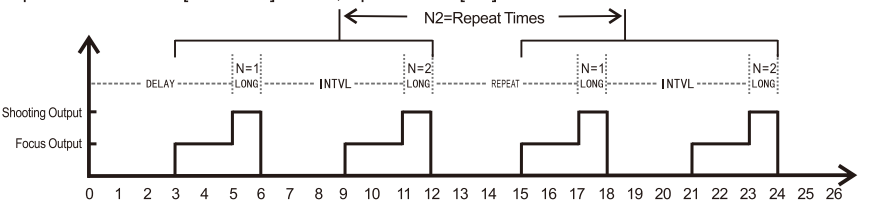


◆ Perform Timer Schedule

1. Move Transmitter function icon to any timer schedule icons by pressing shift left button [] or shift right button [] .
2. Press timer schedule start/stop button []. The Transmitter will send all information to the Receiver. At this time, the green LED light indicator on the Receiver will quick blink twice every 2 seconds. It means the Receiver received the full information and runs properly. Timer schedule will perform on the Receiver and output control signal to camera.
3. The Transmitter LCD screen will display timer schedule status, but it won't send control command to the Receiver. It only for you to know the running status of the Receiver.
- Before the timer schedule is completed, repress the Transmitter timer schedule start/stop button [], then the Transmitter and Receiver will stop performing timer schedule.
- When the Receiver is performing timer schedule, press any buttons on the Receiver will end this time timer schedule operation.

15

Below is the example to show the operation of timer schedule shooting:Delay time [DELAY]=5 sec, exposure time [LONG]=1 sec, shooting interval [INTVL]=5 sec, shooting numbers [N1]=2, repeat interval time [REPEAT]=5sec,repeat times [N2]=2 times.



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.
Warning: 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.
RF warning statement:
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.
Now you may use this high-performance wireless timer remote control TW-283. If you have any questions, please contact your local dealer or visit <http://www.pixelhk.com>.

16