
[pro]master®

Multi-Function Wireless

Timer Remote



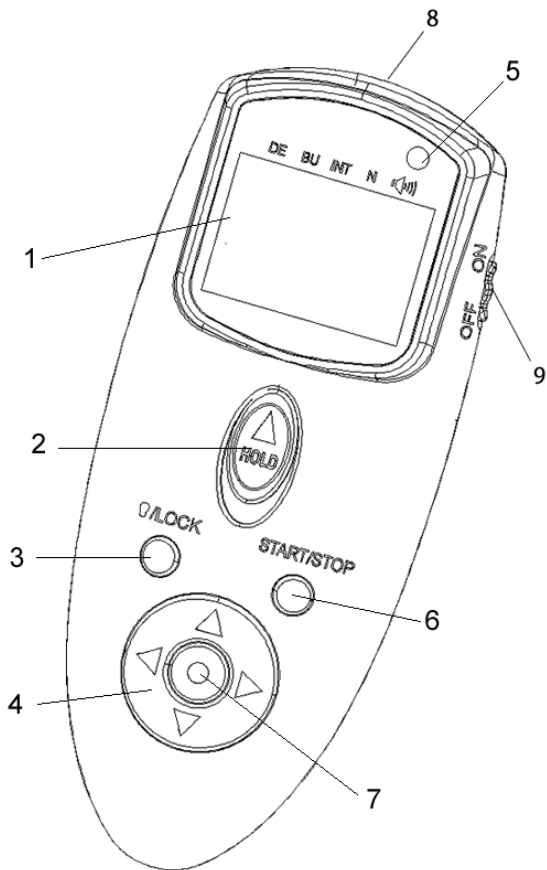
Thank you for purchasing the ProMaster® Multi-Function Wireless Timer Remote. For the best performance, please read this instruction manual carefully before using.

Included in the package

The following items are included in the package:

1. 2.4 GHz Wireless Remote Transmitter
2. 2.4 GHz Wireless Remote Receiver
3. Instruction Manual
4. 1 pc. CR2 3V Lithium Battery (for receiver)
5. 2 pc. AAA 1.5V Battery (for transmitter)

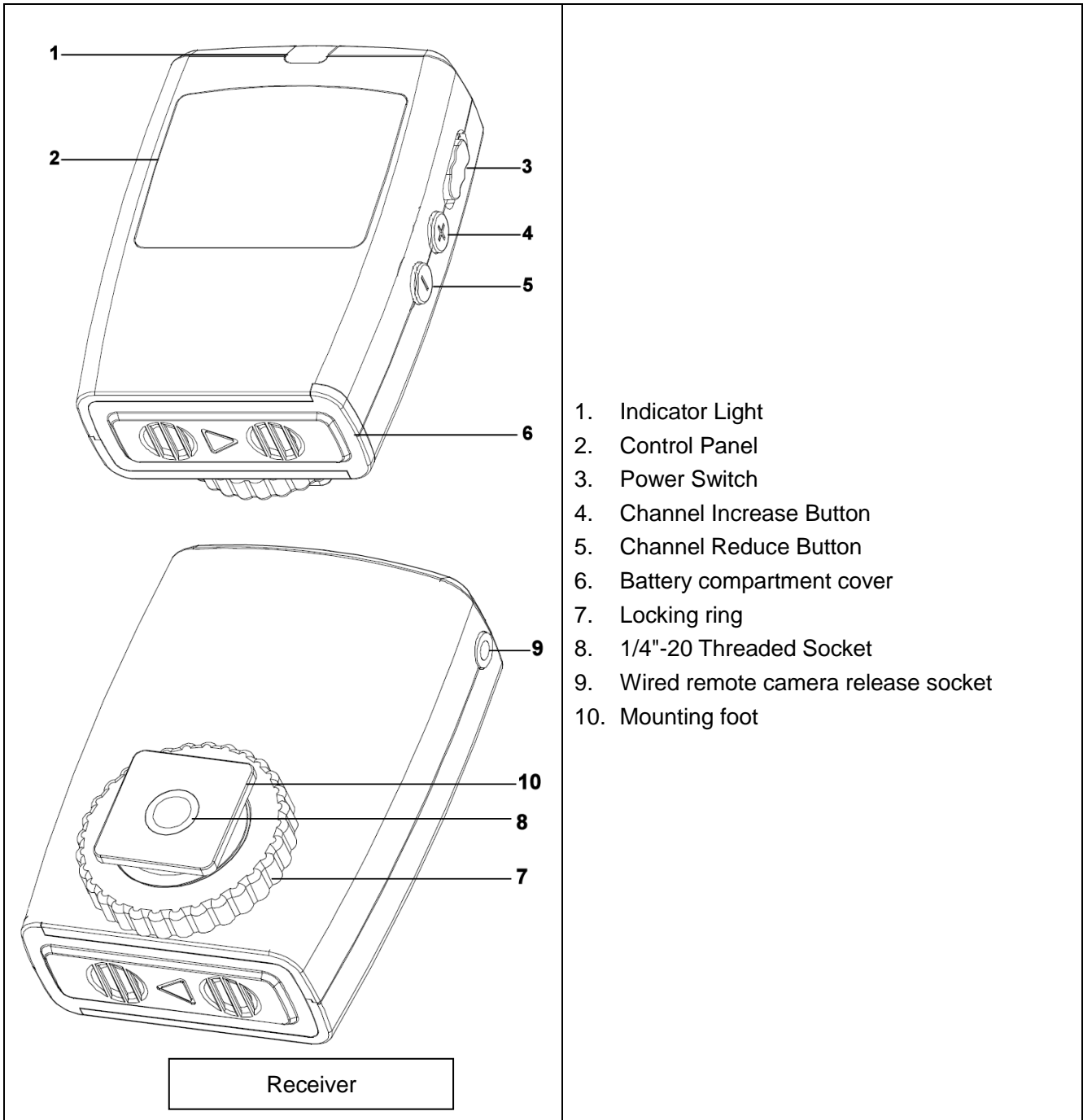
Transmitter Parts Identification

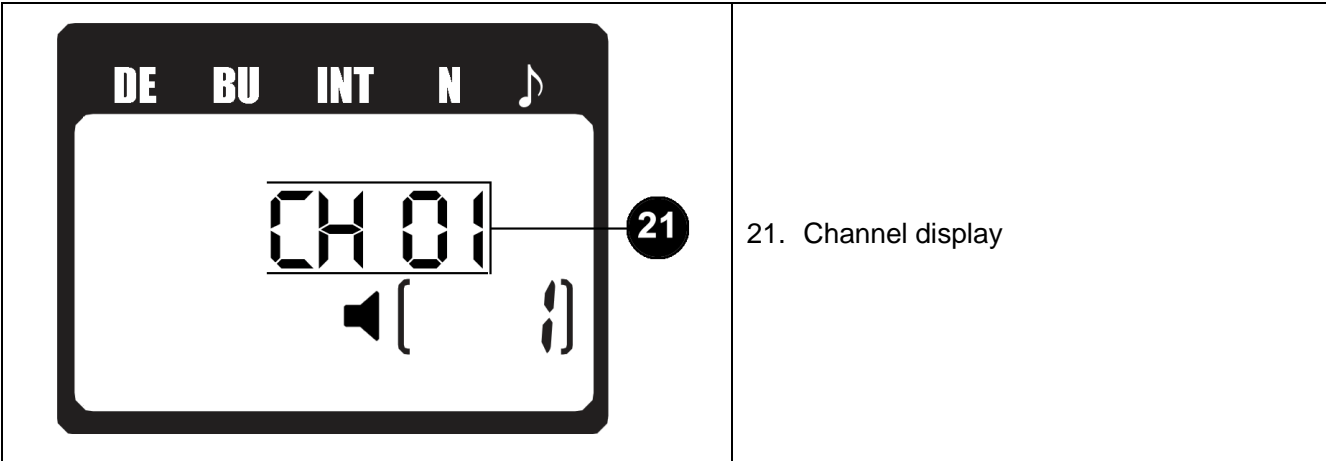
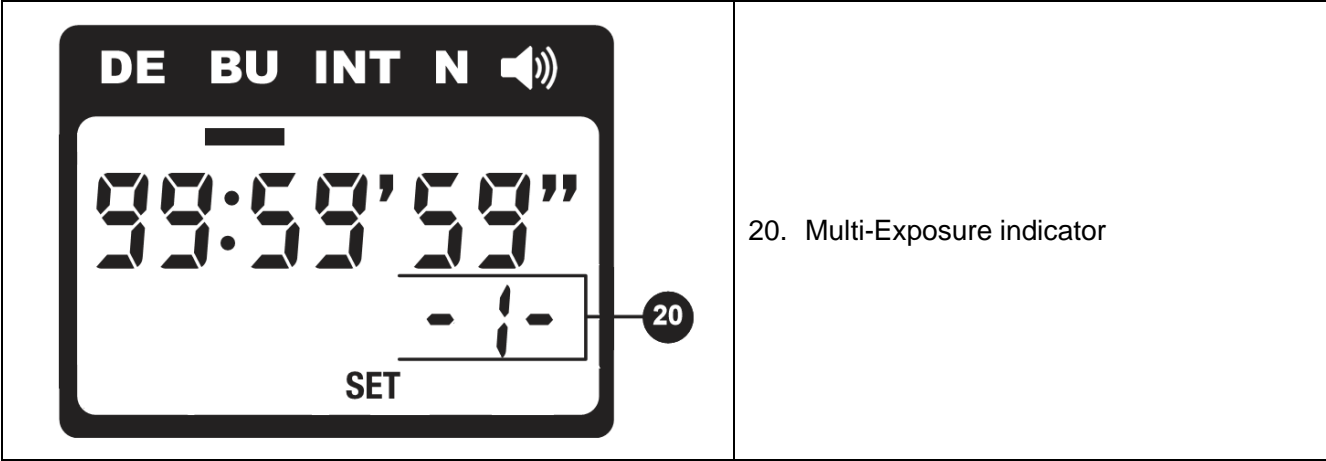
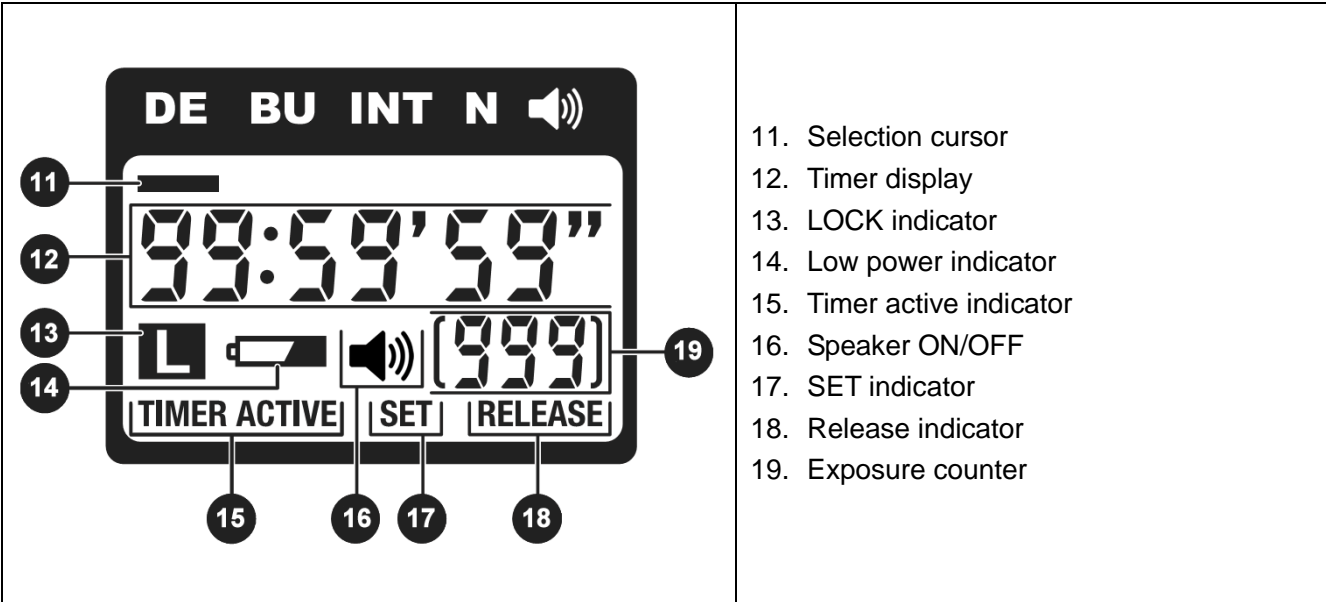


Transmitter

1. Control Panel
2. Shutter Release Button
3. Background Light / Lock Button
4. Arrow Button
5. Indicator Light
6. Timer Start / Stop Button
7. SET Button
8. Wired remote camera release socket
9. Power Switch

Receiver Parts Identification





Install or replace the batteries

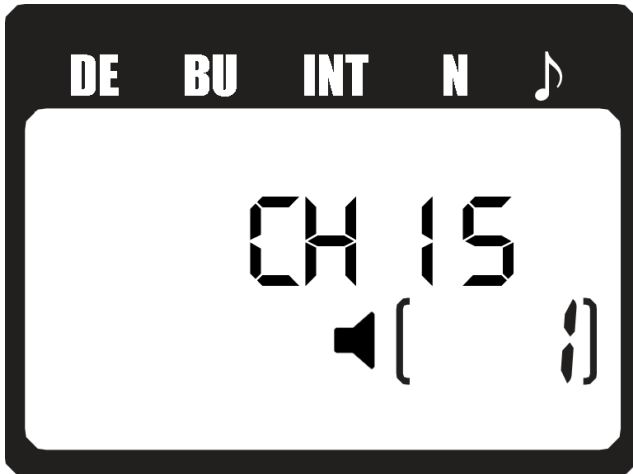
Transmitter



Receiver

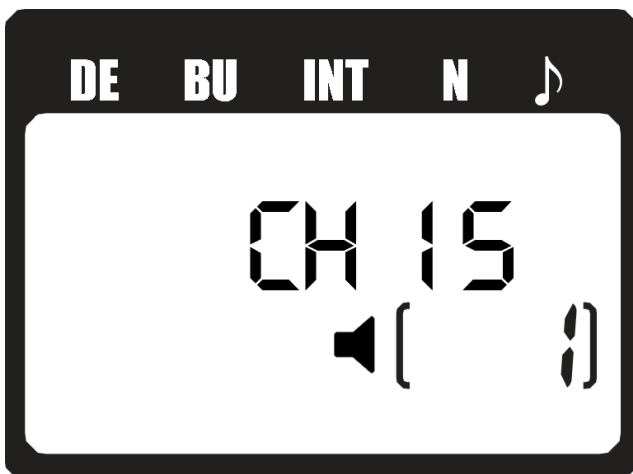


Setting the wireless channel on the transmitter



- Turn on the power. The default channel is the last channel set.
- Use the arrow button to set the channel.
- Press left or right button to move the selection cursor until it disappears.
- The channel section will display.
- Press the SET button to go into the Channel section. When the Channel number is flashing, press the up or down button to increase or decrease.
- Press the SET button at any time to complete the operation and display the new setting for the selected item.
- The channel of the transmitter and receiver must be the same for proper operation.

Setting the wireless channel on the receiver



1. Turn on the power. The default channel is the last channel set.
2. Press channel Increase button or channel reduce button to set the channel.
3. After pressing either of these buttons for 2 seconds, the receiver will save the current channel as default channel.
4. The channel of the transmitter and receiver must be the same for proper operation.

Selecting wireless or wired operation

Your ProMaster Multi-Function Wireless Timer Remote can be used in either a wireless mode with an operating distance of up to 328' (100 meters) or as a wired remote. In either case, in order to operate, it **REQUIRES** the purchase of a ProMaster Camera Release Cable to fit your particular camera.

See the following to set up your remote for wireless or wired operation.

Wireless Operation



Connecting the receiver

- Turn the camera and receiver off.
- Mount the receiver on the hot shoe of the camera. Turn the locking ring of the receiver to firmly fix the receiver in place taking care to not over tighten which could cause damage to the receiver or the camera.
- Remove the remote socket cover from the camera.
- Insert the connector from the camera release cable into the remote socket of camera.
- Insert the input plug of the camera release cable into the camera release cable socket of the receiver.
- Turn the camera and receiver ON.
- Use the channel increase or reduce button to select the channel matching the transmitter.
- Program the desired functions of the remote.
- After programming, press the stop/start button of the transmitter to send the data to the receiver and start the timer.

NOTE: Always be sure the power on the remote and the power on your camera are switched OFF before connecting or disconnecting the receiver. Also be sure to loosen the locking ring completely to avoid damage to your camera or the receiver when removing the receiver from the camera.

Wired operation using the transmitter



1. Turn the camera and transmitter off.
2. Remove the remote socket cover from the camera.
3. Insert the shutter release plug into the remote socket of camera.
4. Insert the input plug into the wired remote cord socket (9) on the transmitter.
5. Turn the camera and remote on.

NOTE: Always be sure the power on the transmitter and the power on your camera are switched OFF before connecting or disconnecting the remote.

Setting the Remote for Time Delay Exposures (Wired and Wireless):


1. Setting your camera

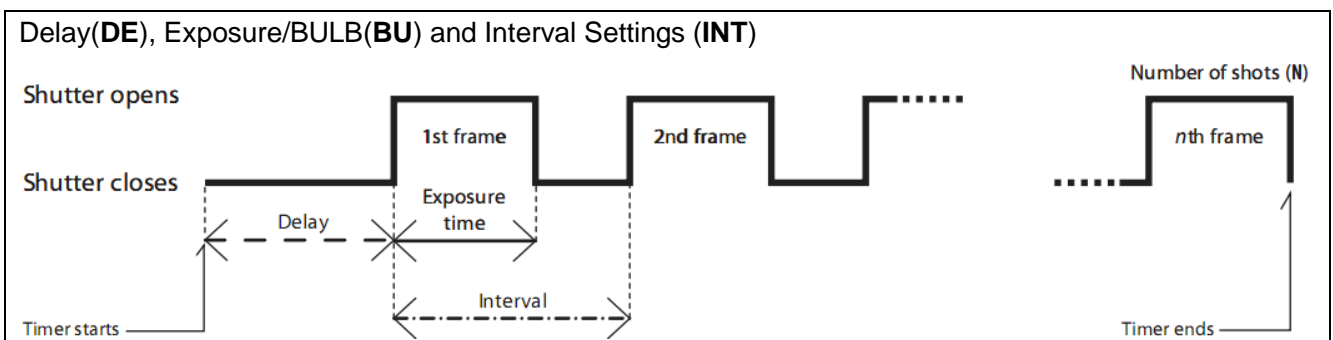
- Connect the remote to the camera and turn it ON.
- Adjust the camera setting.

Exposure Mode	M (manual)
Shutter Speed	BULB
Interval Timer	OFF
Focus Mode	Auto Focus or Manual
Continuous	S (single frame)

2. Setting the transmitter

- Press the SET button (7). The SET icon on the Control Panel (17) will flash.
- Adjust the following settings:

Option	Description	Supported Setting
DE	Just like the self-timer on your camera, the timer remote switch allows you to set any delay (in 1 second increments) up to 99 hours, 99 minutes and 99 seconds.	0s to 99hrs 59min 59s
BU	It allows you to take time exposures up to 100 hours in length.	0s to 99hrs 59min 59s
INT	The Interval Timer can be set to any time period up to 100 hours as well. If you set it to 10 minutes, for example, one exposure will be taken every 10 minutes until either the film runs out or the Exposure Count limit has been reached.	1s to 99hrs 59min 59s
N	This setting permits you to set the number of exposures that will be taken, up to 999 shots.	1 to 999 or -- (unlimited)
	Speaker ON/OFF	ON/OFF



IMPORTANT:

Please ensure the interval time is longer than exposure time by at least 2 seconds.

Setting the Timer

- Use the arrow buttons on the remote to adjust the settings on the timer. Press left or right to select, up or down to change. The current selection is indicated by the selection cursor.
- Press the SET button at any time to complete the operation and display the new setting for the selected item. To view other settings, press the arrow button left or right. The current selection is indicated by the selection cursor. Press the SET button to edit the current setting as described above.

1. Delay/Self-Timer (Time until shooting starts)

 <p>DE BU INT N ♪</p> <p>00:00'00"</p> <p>SET</p>	 <p>DE BU INT N ♪</p> <p>00:00'00"</p> <p>SET</p>	 <p>DE BU INT N ♪</p> <p>00:00'00"</p> <p>SET</p>
Hours	Minutes	Seconds

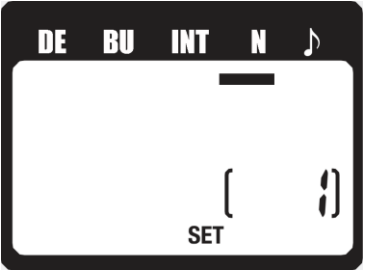
2. BULB/Long Exposure (Exposure Time)

 <p>DE BU INT N ♪</p> <p>00:00'00"</p> <p>SET</p>	 <p>DE BU INT N ♪</p> <p>00:00'00"</p> <p>SET</p>	 <p>DE BU INT N ♪</p> <p>00:00'00"</p> <p>SET</p>
Hours	Minutes	Seconds

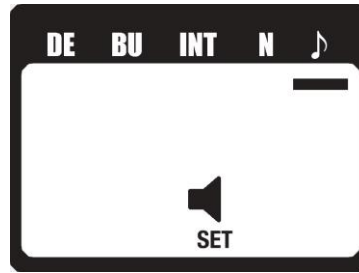
3. Interval Timer (INT)

 <p>DE BU INT N ♪</p> <p>00:00'00"</p> <p>SET</p>	 <p>DE BU INT N ♪</p> <p>00:00'00"</p> <p>SET</p>	 <p>DE BU INT N ♪</p> <p>00:00'00"</p> <p>SET</p>
Hours	Minutes	Seconds

4. Number of Shots(N)

 <p>DE BU INT N ♪</p> <p>()</p> <p>SET</p>
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5. Speaker



To ensure correct operation, be sure to choose an interval of at least two seconds longer than the exposure time. When using autofocus, set the delay to two seconds or more and choose an interval at least two seconds longer than the exposure time to ensure that the camera has time to focus. When using long exposure noise reduction, the interval should be at least twice the exposure time.

Intervals of 00:00:00 will automatically be reset to 00:00:01 when the SET button is pressed to put settings into effect.

To set the number of shots to - - (unlimited), select 1 and press the arrow button down or select 399 and press the arrow button up.

After adjusting any setting, press the SET button to ENABLE the new setting. A beep will sound (If the speaker is ON) and the "SET" icon indicator will go out.

Starting the timer – wired operation



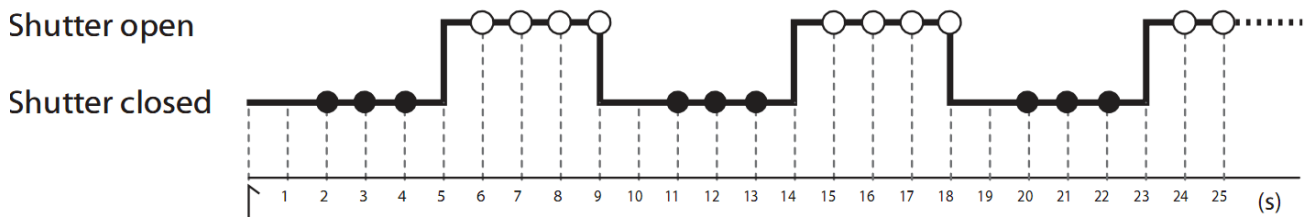
Press the START/STOP button. The timer will start and “TIMER ACTIVE” will flash in the control panel. Between shots, the control panel will show the time remaining until the next photograph is taken. If the speaker is ON, a beep will sound three times at ONE-SECOND intervals before the shutter opens.

While the shutter is opened, the control panel will show the time remaining until the shutter closes, and the release lamp and “RELEASE” indicator will flash at ONE-SECOND intervals. The number of shots remaining will be updated each time a photograph is taken.

	<p>1. Flashes while timer is active</p>
	<p>2. Between shots: Time remaining until next shot. While shutter is open: Time remaining until shutter closes.</p>
	<p>3. Number of shots remaining</p>
	<p>4. Flashes while shutter is open</p>

The Speaker and Release Lamp

The following illustration shows when a beep will sound (●) and the release lamp flash (○) with a delay of 5s, and exposure time of 4, and an interval of 9s.



End Shooting

Shooting will end automatically when the selected number of shots has been taken. To end shooting before all photographs have been taken, press the START/STOP button.

Manual Function – wired operation

1. Select the M function on the remote and choose any shutter speed on the camera.
2. Half press the shutter button to focus.
3. Fully press the shutter button to release the shutter.
4. For long exposures, set the camera to the BULB setting. After pressing the shutter button, slide the shutter button to the HOLD position. This will lock the cameras shutter OPEN.
5. Slide the button in the opposite direction to release the lock.
6. Release the button to end the exposure.

Background Light / Lock Button

Press the Background Light / Lock Button for 1 second to turn on the LED lamp on the control panel.

Press the Background Light / Lock Button for 2 seconds to enable the Button Lock.

Press the Background Light / Lock Button for 2 seconds to disable the Button Lock

Starting the timer - wireless operation



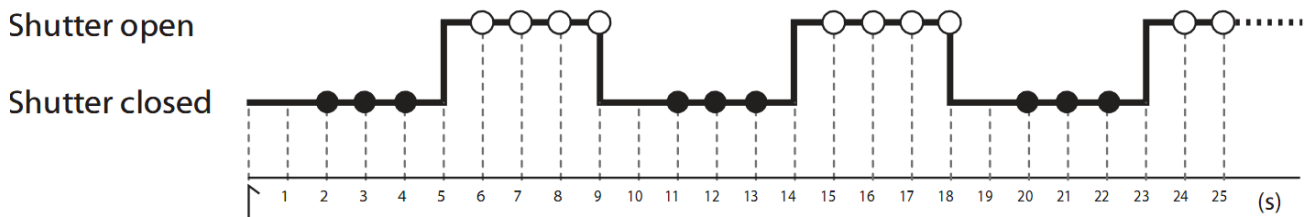
After making the settings for the desired function, press the START/STOP button of the transmitter. The transmitter will send the setting data to the receiver. Once the data is in the receiver, it will start and “TIMER ACTIVE” will flash in the control panel of the receiver. Between shots, the control panel will show the time remaining until the next photograph is taken. If the transmitter speaker is ON, a beep will sound three times at ONE-SECOND intervals before the shutter opens.

While the shutter is open, the control panel will show the time remaining until the shutter closes, and the release lamp and “RELEASE” indicator will flash at ONE-SECOND intervals. The number of exposures remaining will be updated each time a photograph is taken.

	<ol style="list-style-type: none"> 1. Flashes while timer is active 2. Between shots: Time remaining until next shot. While shutter is open: Time remaining until shutter closes. 3. Number of shots remaining 4. Flashes while shutter is open
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The Speaker and Release Lamp

The following illustration shows when a beep will sound (●) and the release lamp flash (○) with a delay of 5s, and exposure time of 4, and an interval of 9s.



End Shooting

Shooting will end automatically when the selected number of shots has been taken. To end shooting before all photographs have been taken, press the START/STOP button.

Wireless remote control manual function description

1. Turn OFF the camera, transmitter and receiver. Remove the remote socket cover from the camera.
2. Connect the receiver to the camera and turn the camera ON.
3. Turn ON the transmitter and receiver.
4. Press the shutter release button on the transmitter half way. The transmitter will send the signal for focusing to the receiver. The green indicator light will illuminate on the transmitter and receiver. The camera is in the focusing state until either the shutter button on the transmitter is released or pressed completely.
5. Full-pressing the shutter release button of the transmitter will send the signal to take an exposure. The red indicator light will illuminate on the transmitter and receiver and the camera's shutter will release.
 - a) The shutter release lock function does not work in the wireless mode.

Background Light

Press the channel increase or reduce button of receiver to turn on the background light of the receiver's control panel.

Intervalometer function

To take photographs at the shutter speed selected with the camera, adjust the settings as follows:

CAMERA	Exposure mode	M (manual) or S (shutter-priority auto)
	Shutter speed	Any
	Interval timer	OFF
	Focus mode	AF-C or M
	Shooting mode	S (single frame)

TRANSMITTER	Exposure time	Os
	Interval	Longer than camera shutter speed

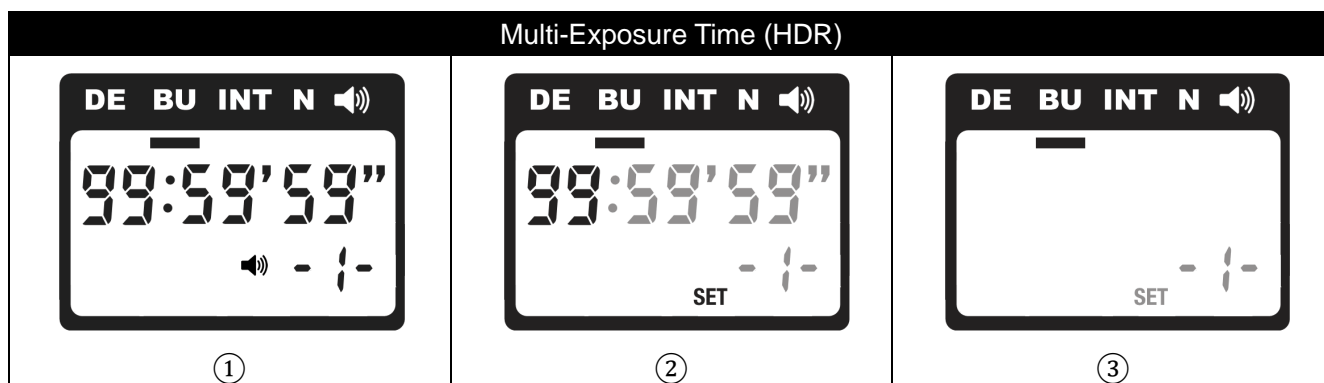
*When using autofocus, please choose an interval at least two seconds longer than the camera shutter speed to allow the camera time to focus. When using long exposure noise reduction, choose an interval at least double the camera shutter speed.

Multi-Exposure (High Dynamic Range) Function

Setting the Multi-Exposure

- Use the arrow button to move selection cursor under BU. Press the SET button and go into BU time section①. Press the LEFT arrow button to get into multi-exposure selection②. Press UP or DOWN to change from single exposure -1- to nine exposures -9-.
- Press the SET button to complete the operation and display the new setting for the selected item④. Press the SET button to set the first exposure (-1-), then press the arrow button to change the exposure time⑤. After setting the first exposure time, press the right arrow button to get into second (-2-) exposure time. Repeat ④⑤ steps, until you reach the last exposure (-9-)⑨. To view other settings, press the ARROW button left or right. The current selection is indicated by the selection cursor. Press the SET button to edit the current setting as described above.

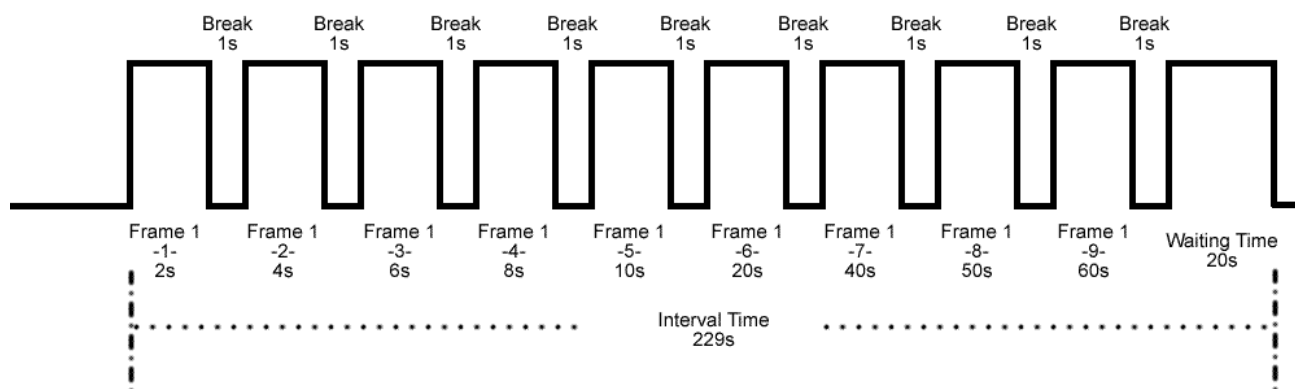
Option	Description	Supported Setting
BU -1-	Multi-Exposure	1 group - 9 groups





Multi-Exposure Timer Example Table								
-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-
2s	4s	6s	8s	10s	20s	40s	50s	60s
Interval Time = Exposure Time + Break Time + Waiting Time								

After you finish setting the Multi-Exposure Timer, the Interval Timer can be set. When the timer is running, there will be a 1s delay before the next exposure.



Sleep mode

To conserve the life of your batteries, the ProMaster Wireless Multifunction Timer Remote has a power save mode. After 1 minute of inactivity, the remote will automatically go into the sleep mode to conserve battery life. To wake the remote press either the shutter or the start button.

For Your Safety

To prevent damage to your product or injury to you or to others, follow the safety precautions listed below:

- Do not disassemble or modify the remote.
- Keep the remote dry.
- Keep out of reach of children.
- Do not use in the presence of flammable gas.
- Do not expose to high temperatures.
- Observe proper precautions when handling batteries.
- Do not handle with wet hands.
- Turn the power off immediately in the event of malfunction.

Specifications

Type:	FSK 2.4GHz wireless Remote control system
Transmission distance:	Up to 328' (100 meters)
Channels:	16 selectable channels
Dimensions (W x H x D):	Transmitter – 4 5/8" x 1 15/16" x 1 1/16" (118 x 49 x 27 mm) Receiver - 2 11/16" x 1 7/8" x 1 1/8" (68 x 48 x 29mm)
Weight (without battery):	Transmitter: 2.08 oz. (59g) Receiver: 1.45 oz. (41g)

Code 4964

Made in China

IMPORTANT

This remote REQUIRES the use of a ProMaster Camera Release Cable.

ProMaster Camera Release Cables

Code Fits cameras with the following type of wired camera release port

1457	Canon RS60
1485	Canon RS80
1835	FujiFilm RR80
5384	FujiFilm RR80A
1471	Nikon DC1
1478	Nikon DC2
1464	Nikon MC30
1499	Olympus UC1
1506	Panasonic
3249	Samsung NX
1492	Sony RMS1

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ONE YEAR UNCONDITIONAL GUARANTEE

If for any reason, this ProMaster product fails within ONE YEAR of the date of purchase, return this product to your ProMaster dealer and it will be exchanged for you at no charge. ProMaster products are guaranteed for ONE FULL YEAR against defects in workmanship and materials. If at any time after one year, your ProMaster product fails under normal use, we invite you to return it to ProMaster for evaluation.

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