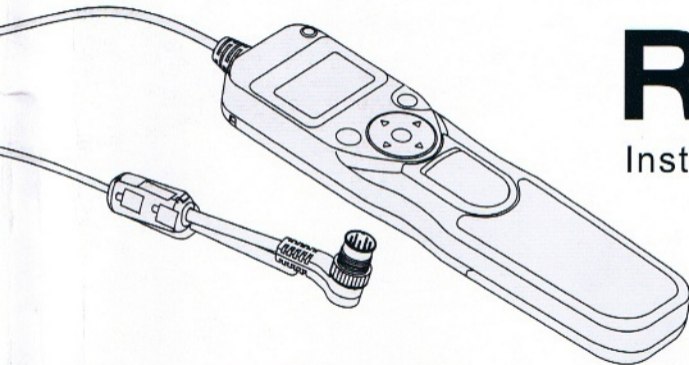


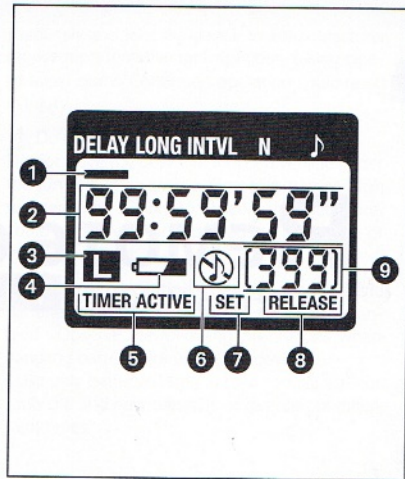
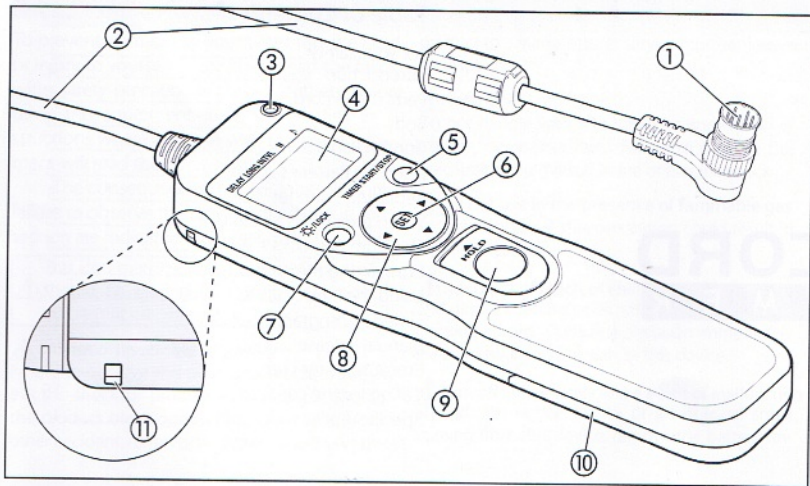
Aputure



REMOTE CORD

Instruction Manual

T I M E R



REMOTE CORD

Instruction Manual


T I M E R

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To prevent damage to your timer remote cord or injury to yourself or to others, read the following safety precautions in their entirety before using this equipment. Keep these safety instructions where all those who use this equipment will read them.

The consequences that could result from failure to observe the precautions listed in this section are indicated by the following symbol:

 This icon marks warnings, information that should be read before using this product to prevent possible injury.

 **Do not disassemble or modify**

Failure to observe this precaution could result in electric shock or product malfunction. Should the product break open as the result of a fall or other accident, remove the batteries and take the

product to a manufacturer service representative for inspection.

 **Keep dry**


Do not handle with wet hands or immerse in or expose to water or rain. Failure to observe this precaution could result in fire or electric shock.

 **Do not use in the presence of flammable gas**

Failure to observe this precaution could result in explosion or fire.


 **Keep out of reach of children**

This device contains small parts which may pose a choking hazard. Consult a physician immediately if a child swallows any part of this device.


 **Turn off immediately in the event of malfunction**

Should you notice smoke or an unusual smell coming from this device, remove the battery im-

mediately and take the device to a manufacturer service representative for inspection, taking care to avoid burns. Continued operation could result in injury.

 **Do not expose to high temperatures**

Do not leave the device in a closed vehicle under the sun or in other areas subject to extremely high temperatures. Failure to observe this precaution could result in fire or in damage to the casing or internal parts.

 **Observe precaution when handling batteries**

Batteries may leak or explode if improperly handled. Observe the following precautions when handling batteries for use in this device:

- Use only batteries listed in this manual. Do not mix old and new batteries or batteries of different types.

For Your Safety (2/2)

- Read and follow all warnings and instructions provided by the manufacturer.
- Do not short or disassemble.
- Do not expose to flame or excessive heat.
- Do not attempt to insert batteries upside down or backwards.
- Batteries are prone to leakage when fully discharged. To avoid damage to the product, be sure to remove the batteries when leaving the product unattended for prolonged periods or when no charge remains.
- Should liquid from the batteries come into contact with skin or clothing, rinse immediately with fresh water.

Introduction

Thank you for your purchase of a timer remote cord. The timer remote cord is equipped with an interval timer suited to a wide variety of tasks, including astronomical photography. See page 17 for a list of compatible cameras.

Parts of the Timer Remote Cord (1/3)

Refer to the illustrations inside the front cover.

Body

- ① Remote cord connector..... 6
- ② Cord
- ③ Release lamp..... 11-12
- ④ Control panel..... 5, 6 7-12
- ⑤ **TIMER START/STOP** button..... 11-12
- ⑥ **SET** button..... 7, 9, 11
- ⑦ Illuminator/lock button..... 6
- ⑧ Arrow button..... 9-10
- ⑨ Shutter-release button..... 14
- ⑩ Battery-chamber cover..... 5
- ⑪ Eyelet for strap (available separately; use cell phone or other similar strap)

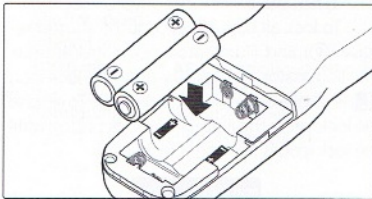
Control Panel*

- ① Selection cursor 9-10
- ② Timer display 9-12, 14
- ③ Lock indicator 6
- ④ Low battery indicator 5
- ⑤ "TIMER ACTIVE" indicator 11-12
- ⑥ Speaker on/off indicator 8, 10
- ⑦ "SET" indicator 7, 9-11
- ⑧ "RELEASE" indicator 11-12, 14
- ⑨ Number of shots 8-12

* The illustration inside the front cover shows the control panel with all elements lit. In the other illustrations throughout this manual, elements relevant to the explanation in the accompanying text are shown in black. Indicators not mentioned in the text are shown in gray.

Inserting Batteries

Slide the battery-chamber cover (⑩) from the back of the timer remote cord and insert two AAA 1.5V LR03 alkaline batteries (available separately) as shown.



④ The Low Battery Indicator ()

The low battery indicator (④) will blink when the batteries are low. Ready spare batteries.

Replacing Batteries

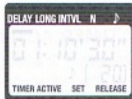
When replacing batteries:

- 1 Check that the "TIMER ACTIVE" (⑤) and "RELEASE" (⑧) indicators are not displayed (see right).
- 2 Turn the camera off and disconnect the timer remote cord.
- 3 Remove the batteries.
- 4 Wait until the control panel has gone out and insert new batteries.

When the timer remote cord Is Not in Use

The timer remote cord is not equipped with an off switch. To reduce the drain on the batteries when it is not in use, end shooting and check that the "TIMER ACTIVE" (⑤), "SET" (⑦), and "RELEASE" (⑧) indicators are not displayed (see page 6). The drain on the batteries increases when these indicators are flashing.

The "TIMER ACTIVE," "SET," and "RELEASE" Indicators

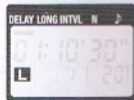


<i>If this flashes</i>	<i>It means this; do this to turn it off</i>
TIMER ACTIVE	Timer active (page 12); press TIMER START/STOP button (5).
SET	Settings can be modified (page 7); press SET button (6).
RELEASE (TIMER ACTIVE not flashing)	Manual release active (page 14); release shutter-release button (9) if button is in HOLD position, release shutter-release lock).

The Illuminator/Lock Button

Press the illuminator/lock button (7) briefly to activate the control panel backlight. The backlight will remain lit for about six seconds; pressing the arrow button (8) while the backlight is on extends the timer for another six seconds.


To lock all controls except the shutter-release (9) and illuminator/lock buttons, press the illuminator lock button until the lock icon (L) is displayed in the control panel. To release the lock, press the illuminator/lock button until the lock icon is no longer displayed.



Connecting the Timer Remote Cord

- 1 Turn the camera off.
- 2 Check that the "**TIMER ACTIVE**" (5) and "**RELEASE**" (8) indicators are not displayed.
- 3 Remove the remote socket cover from the camera. Keeping the mark on the socket connector (1) aligned with the mark on the camera body, insert the connector as shown and then tighten the locking nut.



-  **Disconnecting the timer remote cord**
After checking that the "**TIMER ACTIVE**" (5) and "**RELEASE**" (8) indicators are not displayed, turn the camera off and disconnect the timer remote cord. Replace the camera remote socket cover.

The timer remote cord functions as:

- **An automatic timer** (pp. 7–13). Choose the delay (time before shooting starts), exposure time, interval, and number of shots for timed interval photography. Shutter speed can be selected with the camera if desired (pg. 13).
- **A manual release** (pg. 14). Take photographs manually using the shutter-release button on the timer remote cord. Photographs can be taken manually even when the timer is running.

1. Adjust Camera Settings

1.1 Connect the timer remote cord (pg. 6) and turn the camera on.

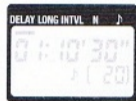
1.2 Adjust camera settings as follows (see the camera manual for details):

Exposure mode	M (manual)
Shutter speed	Bulb
Interval timer	Off
Focus mod	AF-C (continuous-servo autofocus)* or M (manual)
Continuous	S (single frame)

* Select "release priority" if available.

2. Set the Timer

2.1 Press the **SET** button (6). "SET" will flash in the control panel.



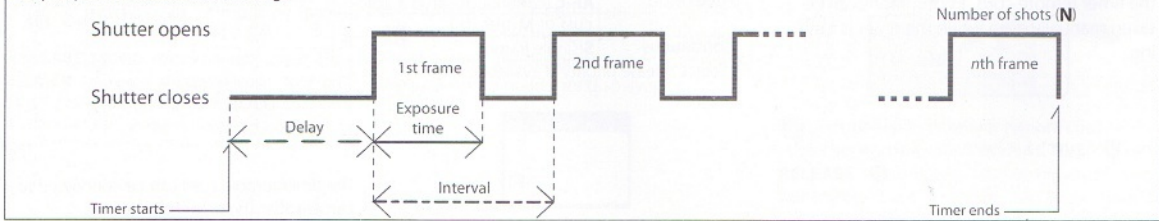
The timer remote cord can be connected to the camera after the timer has been set.

En

2. 2 Adjust the following settings:

Option	Description	Supported settings
DELAY	Delay before shutter is released	0s to 99 hrs 59 min 59 s (in one-second increments)
LONG	Exposure time	1 s to 99 hrs 59 min 59 s (in one-second increments)
INTVL	Interval	1 s to 99 hrs 59 min 59 s (in one-second increments)
N	Number of shots	1 to 399, - - (unlimited)
♪	Speaker on/off	♪ (on), 🚫 (off)

Delay, Exposure, and Interval Settings



Timed Photography (3/7)

Setting the Timer

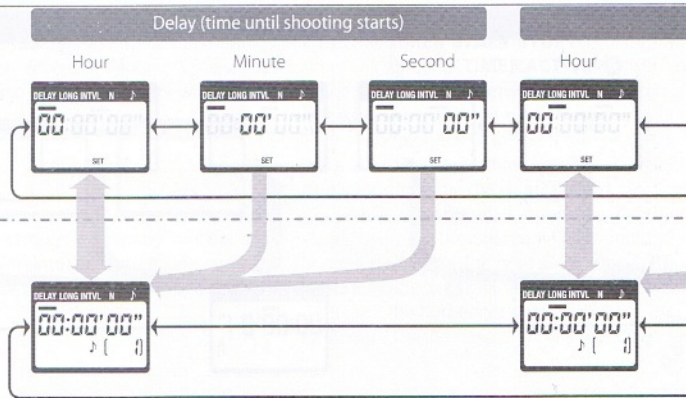
Use the arrow button to set the timer. Press left or right to select, up or down to change. The current selection is indicated by the selection cursor (1).



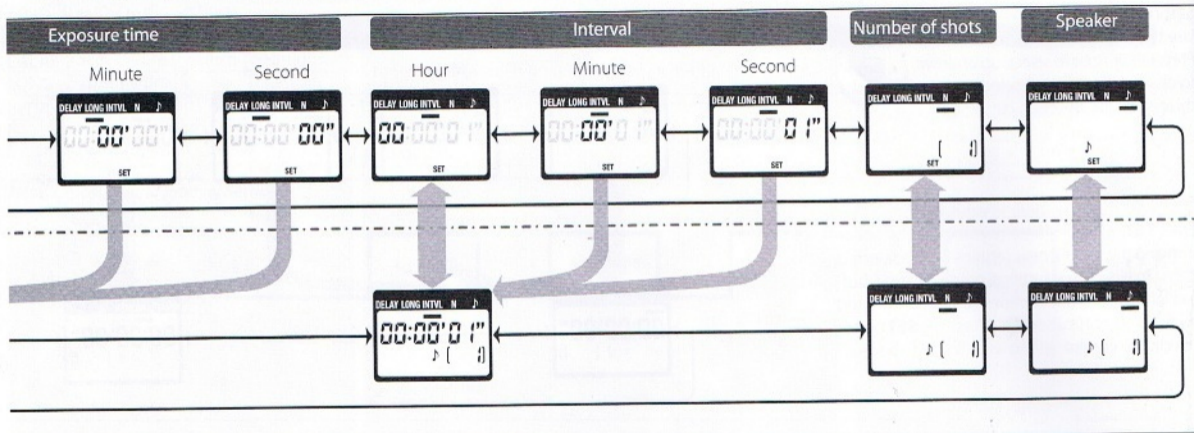
Adjust settings

Press **SET**(6) at any time to complete the operation and display the new settings for the selected item. To view other settings, press the arrow button left or right. The current selection is indicated by the selection cursor (1). Press the **SET** button to edit the current setting as described above.

Setting complete



En



Setting the Timer

To ensure correct operation, choose an interval at least one second 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 (available with some digital cameras), 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 (6) is pressed to put settings into effect.

To set the number of shots to - - (unlimited), select **1** and press the arrow button (8) down or select **399** and press the arrow button up.

2.3 After adjusting all settings as desired, press the **SET** button (6) to put the new settings into effect. A beep will sound (if the speaker is on) and the "SET" indicator will go out.



The new settings will remain in effect until changed or until the batteries are removed or exhausted.

3. Start the Timer

Press the **TIMER START/STOP** button (5). The timer will start and "TIMER ACTIVE" (5) 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 open, the control panel will show the time remaining until the shutter closes, and the release lamp and "RELEASE" indicator (8) will flash at one-second intervals. The number of shots remaining will be updated each time a photograph is taken.

Control Panel Display (Timer Active)

The control panel display shows the following information:

- DELAY LONG INTVL N**: Mode and number of shots.
- 00:00'59"**: Time remaining until next shot.
- 12**: Number of shots remaining.
- TIMER ACTIVE**: Indicator that the timer is running.
- RELEASE**: Indicator that the shutter is open.

Labels and their meanings:

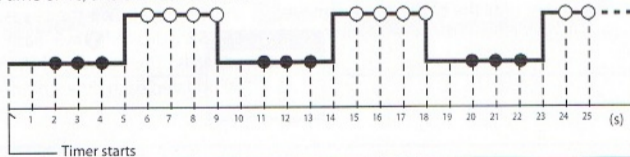
- Flashes while timer is active**: Points to the **TIMER ACTIVE** indicator.
- Between shots**: Time remaining until next shot.
- While shutter is open**: Time remaining until shutter closes.
- Number of shots remaining**: Points to the **12** display.
- Flashes while shutter is open**: Points to the **RELEASE** indicator.

The Speaker and Release Lamp

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

Shutter open

Shutter closed



4. 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 **TIMER START/STOP** button (5).

Using the Camera to Select Shutter Speed


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

Camera	Exposure mode	M (manual) or S (shutter-priority auto)
	Shutter speed	Any
	Interval timer	Off
	Focus mode	AF-C (continuous-servo autofocus) or M (manual)
	Shooting mode	S (single frame)
Timer remote cord	Exposure time	0s
	Interval	Longer than camera shutter speed [†]

* Select "release priority" if available.

†When using autofocus, 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 (available with some digital cameras), choose an interval at least double the camera shutter speed.

Using the Timer

Before using the timer for extended periods, check that the batteries have enough charge. Replace the batteries when the low battery indicator () flashes in the control panel (4).

Manual Release

En

The timer remote cord shutter-release button (9) function in much the same way as the camera shutter-release button.

1. Adjust Camera Settings

Connect the timer remote cord (pg. 6) and turn the camera on. Choose exposure mode, shutter speed, focus mode, and shooting mode as desired.

2. Take Pictures

2.1 Press the shutter-release button (9) halfway and check focus and exposure, then press it the rest of the way down to take a picture. While the shutter is open, a beep will sound at one-second intervals, the "RELEASE" indicator (8) will flash, and

the control panel will show the time remaining until the shutter closes.

To keep the shutter-release button fully pressed for bulb photography, slide the button to the **HOLD** position. Slide it in the opposite direction to release the lock.



2.2 Release the button to end shooting.

The shutter-release button can be used when no batteries are inserted. The control panel will remain off and no beep will sound.

The shutter-release button can be used to release the shutter manually while the timer is active. Timer count-down (including the control-panel display, release lamp, and beep) continues during manual release. If a manual release overlaps with an automatic release, the shutter will remain open until both exposure times have expired.

Precautions for Use

Check the camera battery level and number of exposures remaining before using the timer remote cord (see the camera manual for details). The timer will continue to operate even when no pictures can be recorded due to low battery, lack of film or memory, or lack of space in the memory buffer (digital cameras only). An AC adapter (available separately) is recommended for longer sessions.

Some cameras have an AF activation option that determines whether the camera will focus when the shutter-release button is pressed halfway (see the camera manual for details). Enable shutter-release button AF-activation when using the timer remote cord.

Please note that the timer is less accurate than most watches or household clocks.

Caring for the Timer Remote Cord

Do not drop:The product may malfunction if subjected to strong shocks or vibration.

Keep dry:This product is not waterproof and may malfunction if immersed in water or exposed to high levels of humidity. Rusting of the internal mechanism can cause irreparable damage.

Avoid sudden changes in temperature:Sudden changes in temperature, such as occur when entering or leaving a heated building on a cold day, can cause condensation inside the device. To prevent condensation, place the device in a carrying case or a plastic bag before exposing it to sudden changes in temperature.

Keep away from strong magnetic fields:Strong static charges or the electromagnetic fields produced by equipment such as radio transmitters could interfere with the device.

A note on electronically-controlled devices:In extremely rare instances, unusual characters may appear in the control panel and the device may stop functioning. In most cases, this phenomenon is caused by a strong external static charge. Turn the camera off, disconnect the timer remote cord, remove the batteries, and then replace them once the control panel has turned off. Caution is required when handling the batteries, which may be hot from use. In the event of continued malfunction, contact your retailer or representative.

The control panel:LCD displays tend to darken at high temperatures and exhibit slower response times at low temperatures. This does not indicate a malfunction.

Specifications

Supported cameras	Nikon, Canon, Sony, Samsung, Pentax, Olympus, Konica Minolta etc.
Timer delay	0 s to 99 hrs 59 min 59 s in one-second increments
Exposure time	0 s to 99 hrs 59 min 59 s in one-second increments
Interval	1 s to 99 hrs 59 min 59 s in one-second increments
Number of shots	1 to 399, - - (unlimited)
Power source	Two AAA 1.5V LR03 alkaline batteries
Battery life	Approximately two months of continuous shooting with a delay of 5 min, an exposure time of 4 min 56 s, and an interval of 5 min. Use of the illuminator will reduce battery life.
Operating temperature	-20–+50°C (-4–+122°F)
Dimensions	Approximately 155 × 40 × 18 mm (6.1 × 1.6 × 0.7 in.), excluding projections
Weight	Approximately 105 g (3.7 oz), excluding ferrite core
Length of cord	Approximately 850 mm (33.5 in.)