



NATURE OBSERVATORY BOX

WITH TIME-LAPSE RECORDING CAMERA

INSTRUCTION MANUAL

AA
1.5V
x3
NOT INCLUDED

Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (ni-cad, ni-mh, etc.) batteries. Non-rechargeable batteries are not to be recharged. Please recycle batteries responsibly.



WARNING:

CHOKING HAZARD – Small parts. Not for children under 3 years.



CA WARNING:

This product can expose you to bisphenol A (BPA), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



⚠ IMPORTANT SAFETY INSTRUCTIONS

READ AND FOLLOW THE INSTRUCTIONS BEFORE USE.
KEEP THESE INSTRUCTIONS FOR LATER USE.



• **SUN WARNING:** WARNING – NEVER ATTEMPT TO OBSERVE THE SUN WITH THIS DEVICE! OBSERVING THE SUN – EVEN FOR A MOMENT – WILL CAUSE INSTANT AND IRREVERSIBLE DAMAGE TO YOUR EYE OR EVEN BLINDNESS. EYE DAMAGE IS OFTEN PAINLESS, SO THERE IS NO WARNING TO THE OBSERVER THAT THE DAMAGE HAS OCCURRED UNTIL IT IS TOO LATE. DO NOT POINT THE DEVICE AT OR NEAR THE SUN. DO NOT LOOK THROUGH THE DEVICE AS IT IS MOVING. CHILDREN SHOULD ALWAYS HAVE ADULT SUPERVISION WHILE OBSERVING.

• **RESPECT PRIVACY:** WHEN USING THIS DEVICE, RESPECT THE PRIVACY OF OTHER PEOPLE. FOR EXAMPLE, DO NOT USE IT TO LOOK INTO PEOPLE'S HOMES.



• **CHOKING HAZARD:** CHILDREN SHOULD ONLY USE DEVICE UNDER ADULT SUPERVISION. KEEP PACKAGING MATERIALS LIKE PLASTIC BAGS AND RUBBER BANDS OUT OF THE REACH OF CHILDREN AS THESE MATERIALS POSE A CHOKING HAZARD.

• **RISK OF BLINDNESS:** NEVER USE THIS DEVICE TO LOOK DIRECTLY AT THE SUN OR IN THE DIRECT PROXIMITY OF THE SUN. DOING SO MAY RESULT IN A PERMANENT LOSS OF VISION.

• **RISK OF FIRE:** DO NOT PLACE DEVICE, PARTICULARLY THE LENSES, IN DIRECT SUNLIGHT. THE CONCENTRATION OF LIGHT RAYS COULD CAUSE A FIRE.

• **DO NOT DISASSEMBLE THIS DEVICE:** IN THE EVENT OF A DEFECT, PLEASE CONTACT YOUR DEALER. THE DEALER WILL CONTACT THE CUSTOMER SERVICE DEPARTMENT AND CAN SEND THE DEVICE IN TO BE REPAIRED IF NECESSARY.

• **DO NOT SUBJECT THE DEVICE TO TEMPERATURES EXCEEDING 60 °C (140 °F).**



• **DISPOSAL:** KEEP PACKAGING MATERIALS, LIKE PLASTIC BAGS AND RUBBER BANDS, AWAY FROM CHILDREN AS THEY POSE A RISK OF SUFFOCATION. DISPOSE OF PACKAGING MATERIALS AS LEGALLY REQUIRED. CONSULT THE LOCAL AUTHORITY ON THE MATTER IF NECESSARY AND RECYCLE MATERIALS WHEN POSSIBLE.



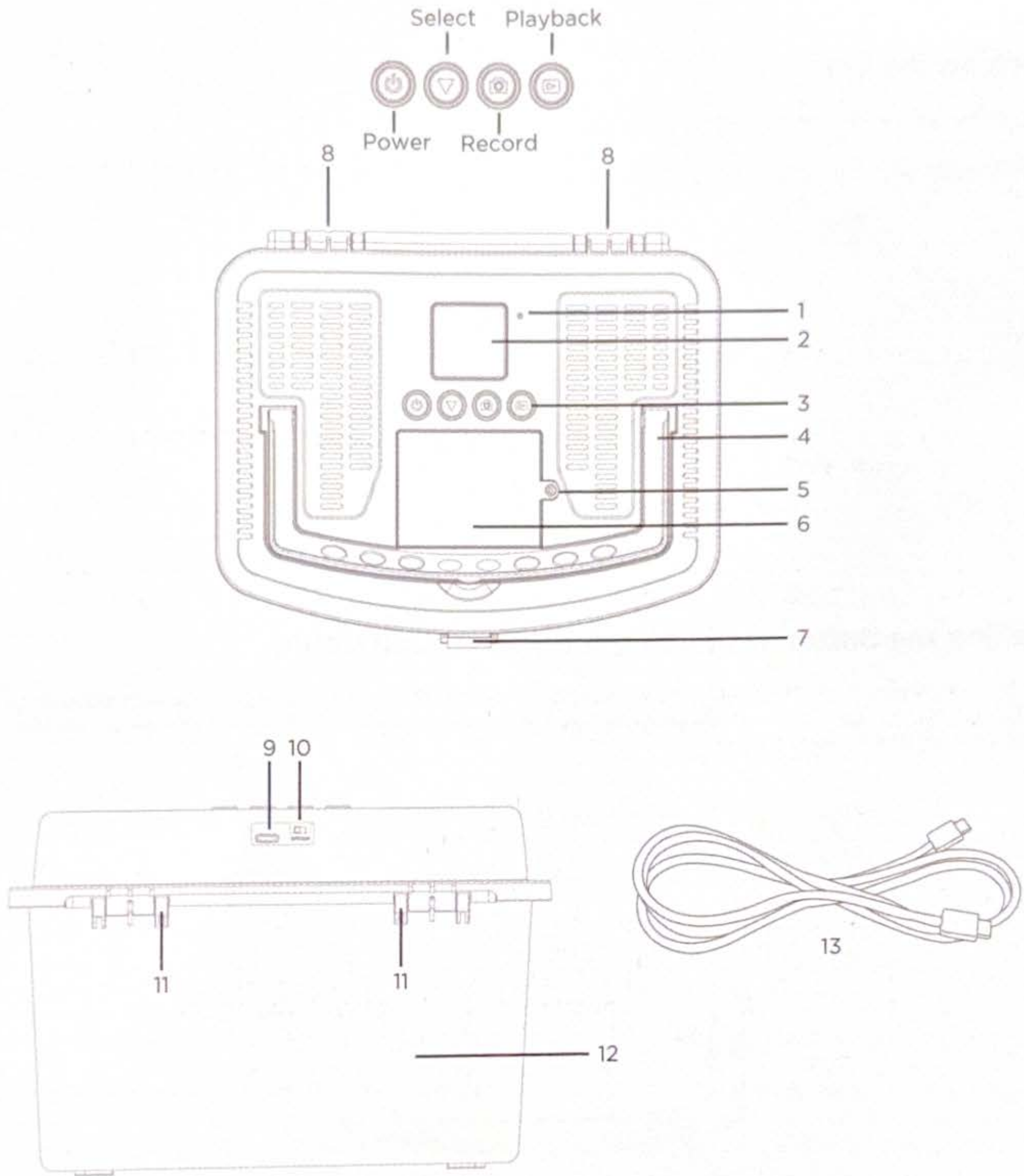
• THE WEEE SYMBOL IF PRESENT INDICATES THAT THIS ITEM CONTAINS ELECTRICAL OR ELECTRONIC COMPONENTS WHICH MUST BE COLLECTED AND DISPOSED OF SEPARATELY.

• NEVER DISPOSE OF ELECTRICAL OR ELECTRONIC WASTE IN GENERAL MUNICIPAL WASTE. COLLECT AND DISPOSE OF SUCH WASTE SEPARATELY.

• MAKE USE OF THE RETURN AND COLLECTION SYSTEMS AVAILABLE TO YOU, OR YOUR LOCAL RECYCLING PROGRAM. CONTACT YOUR LOCAL AUTHORITY OR PLACE OF PURCHASE TO FIND OUT WHAT SCHEMES ARE AVAILABLE.

• ELECTRICAL AND ELECTRONIC EQUIPMENT CONTAINS HAZARDOUS SUBSTANCES WHICH, WHEN DISPOSED OF INCORRECTLY, MAY LEAK INTO THE GROUND. THIS CAN CONTRIBUTE TO SOIL AND WATER POLLUTION WHICH IS HAZARDOUS TO HUMAN HEALTH, AND ENDANGER WILDLIFE.

• IT IS ESSENTIAL THAT CONSUMERS LOOK TO RE-USE OR RECYCLE ELECTRICAL OR ELECTRONIC WASTE TO AVOID IT GOING TO LANDFILL SITES OR INCINERATION WITHOUT TREATMENT.



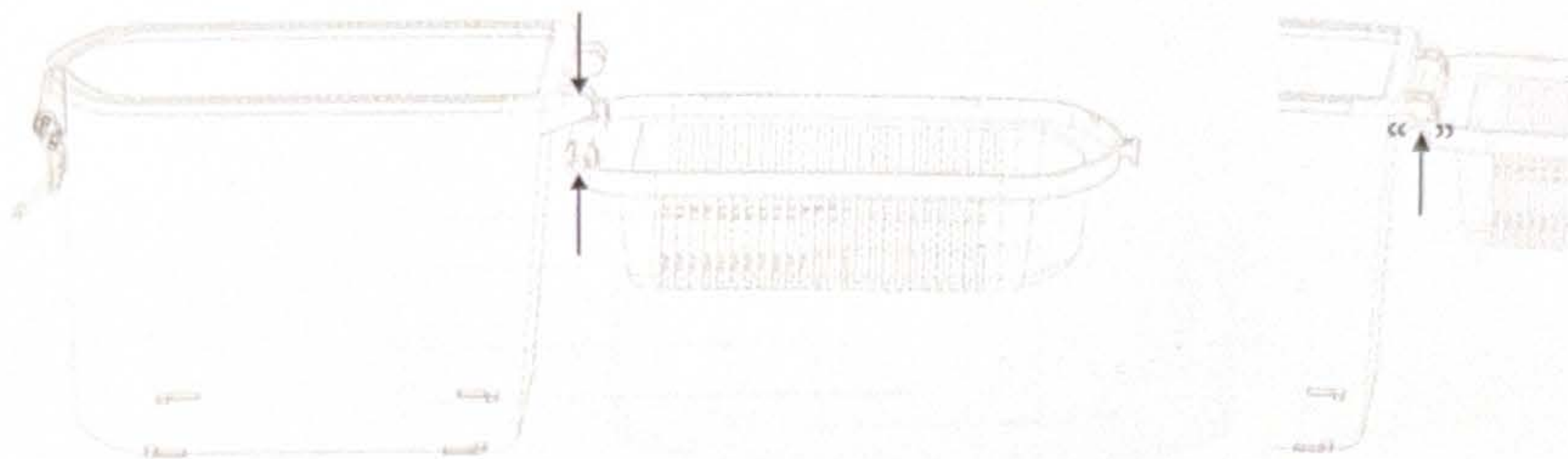
Parts Overview

- | | |
|--|------------------------------|
| 1. LED Indicator | 8. Latch |
| 2. LCD Screen | 9. Type C USB Port |
| 3. Buttons: Power/Select/Record/Playback | 10. LED Light Switch: ON/OFF |
| 4. Handle | 11. Shaft |
| 5. Battery Compartment Screw | 12. Box |
| 6. Battery Compartment | 13. USB-C to USB-C Cable |
| 7. Buckle | |

Attaching the Lid

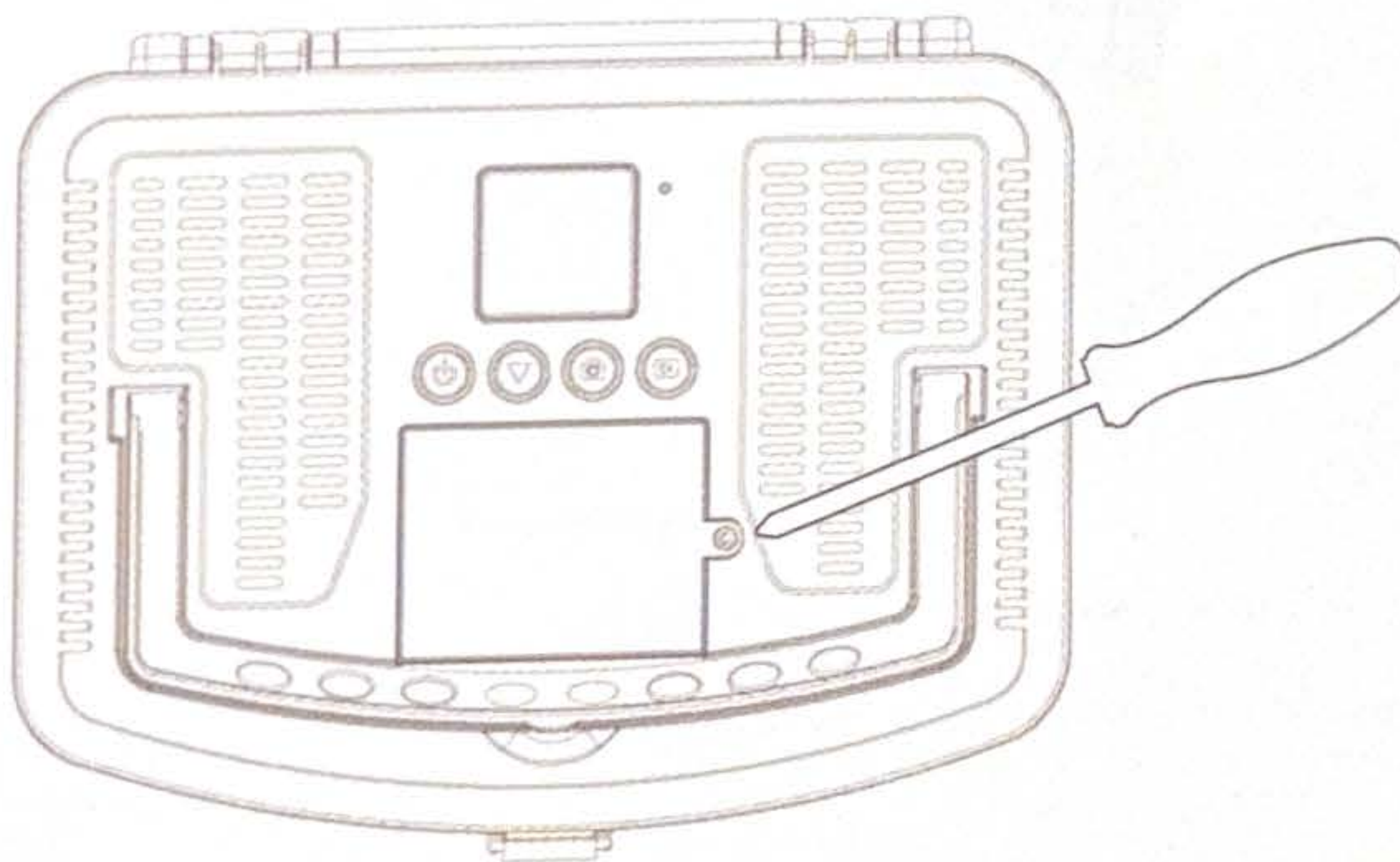
Flip over the lid and fix the lid by following these steps:

1. Align the latches (#8) to the shafts (#11).
2. Press the latches into the shafts until you hear a "click".



Installing the Batteries or Using the Type C USB Cable

Open the battery compartment (#6) by removing the screw (#5) with a screw driver (not included). Keep the screw in a safe place so it does not get lost. Install 3 new Alkaline AA batteries. Screw the battery compartment back tightly.



Alternatively, connect the recorder to a power plug using the Type C USB cable. Power supply not included. When the USB cable is connected, slide the light switch to ON for low-light environment. Connect the USB cable for power only when the recorder is off.

Please make sure to connect the USB cable and turn on the light switch in advance for low-light environment. Otherwise, video recorded will be dark.

Powering On the Device

Short press the Power button (#3) to turn on the recorder. Once the power is on, look at the LCD screen for preview.

There are 8 icons to choose from; plants such as Sprout, Flower, Potato, and Seeds, and animals including Tadpole, Fish, Beetle, and Turtle.

Icon	Suitable for...	Time Needed Per Shot	Total Recording Time Needed	Time Needed to Generate the Video	Resulted Video Length
	Sprout	6 min./ shot	1 day	5 min.	26 sec.
	Flower	18 min./ shot	3 days	5 min.	26 sec.
	Potato	60 min./ shot	10 days	5 min.	26 sec.
	Seeds	120 min./ shot	20 days	5 min.	26 sec.
	Tadpole	5 sec./ shot	20 min	5 min.	26 sec.
	Fish	30 sec./ shot	2 hrs	5 min.	26 sec.
	Beetle	60 sec./ shot	4 hrs	5 min.	26 sec.
	Turtle	120 sec./ shot	8 hrs	5 min.	26 sec.

How to Record Video

Press the Select button to choose desired icon.

Each icon comes with default settings. Simply select the icon and wait for 3 seconds.

- Press the Record button to start recording.
- A countdown of 3, 2, 1 will be displayed on the screen before recording starts.
- After the countdown, the screen goes dark to save power. Recording starts.
- During the recording, press the power button to check how much time is left before finishing.
- Upon completion of recording, the LED on top of the recorder will illuminate for 60 seconds, and the screen will display "Video Done".
- During recording, if you wish to abort recording, press and hold Power and Record button together for 2 seconds. The screen will light up to indicate that the files are being generated ("Shooting ends..."). After the prompt ends, press Playback button to view the files, or set a new recording.

Note: The device will automatically power off if there is no operation for one minute. The screen will display "Shutting Down" before powered off.

How to View and Download the Video

Viewing on the Device:

Press Power button to power on the recorder.

Press Playback button to access the videos taken. Press Select button to select the video file you wish to view, and press Playback button to view the video. In Playback mode, press Record button to delete the video files.

Viewing on Cellphone:

Android

- Viewing: Connect the recorder to your phone using a USB-C to USB-C cable. Power on the recorder, and a dialog box will pop up on your phone displaying "TinyUSB USB drive: 'Explore' and 'Eject'." Tap on "Explore" and enter folder "DCMI" to view the recorded videos.
- Downloading: Select the video file. In the menu, choose Send/ Move/ Delete/ More, to send, move, delete or download the files.

iOS (must be iPhone 15 or above)

- Viewing: Download the "zFuse" video player app from the **App Store**. Connect the recorder to your phone using a USB-C to USB-C cable. Power on the recorder, and open the "Files" app on your phone's home screen. Under "Locations," you will see an "Untitled" icon. Tap on the "Untitled" icon, and you will find a "DCMI" folder. Inside this folder, you can see the recorded videos. When you tap on a video, you will be prompted to watch it in "zFuse." Confirm, and you're all set.
- Downloading: Select the video file. In the menu, choose Copy/ Move/ Share/ Delete, to copy, move, share or delete the files.

Note: The only valid folder is DCMI. The other folders are created automatically by the cellphone system and can be ignored.

Viewing on Computer:

Connect the recorder and the computer using the USB cable to download and view video clips.

Troubleshooting

If the recorder fails to power on:

Make sure to use Alkaline AA batteries. Check the directions of the batteries. Replace them with new ones if necessary. Alternatively, use the USB cable included to power on.

If "No Card" shows on the screen:

Try power off and power on. Unplug the USB cable and connect again.

If the screen gets frozen:

Remove the batteries and put them back to reset the recorder.

Specifications

Camera Sensor	2MP CMOS Sensor
Display	1.44" Color TFT
Display Resolution	128x128
Video	9 FPS Playback
FOV	102 degrees
Power Supply	3-AA Alkaline Battery or Type-C USB
Power Life (AA Batteries)	9 hours(continuous filming without lights on)
LED	2-White LEDs
Power Indicator	Low Battery Warning on Screen (battery icon flashing)
Memory	Built-in 4GB
Type-C USB Cable	Data Transfer & Power Supply



© National Geographic Partners LLC.
All rights reserved. NATIONAL GEOGRAPHIC and Yellow Border Design are trademarks of the
National Geographic Society, used under license.

© Explore Scientific, LLC.
1010 S 48th Street, Springdale, AR 72762
explorescientificusa.com | 866.252.3811
All rights reserved. Made in China.

Contents, colors and specifications may vary.