

Manual for LED digital poi Ignis Pixel BubblePoi

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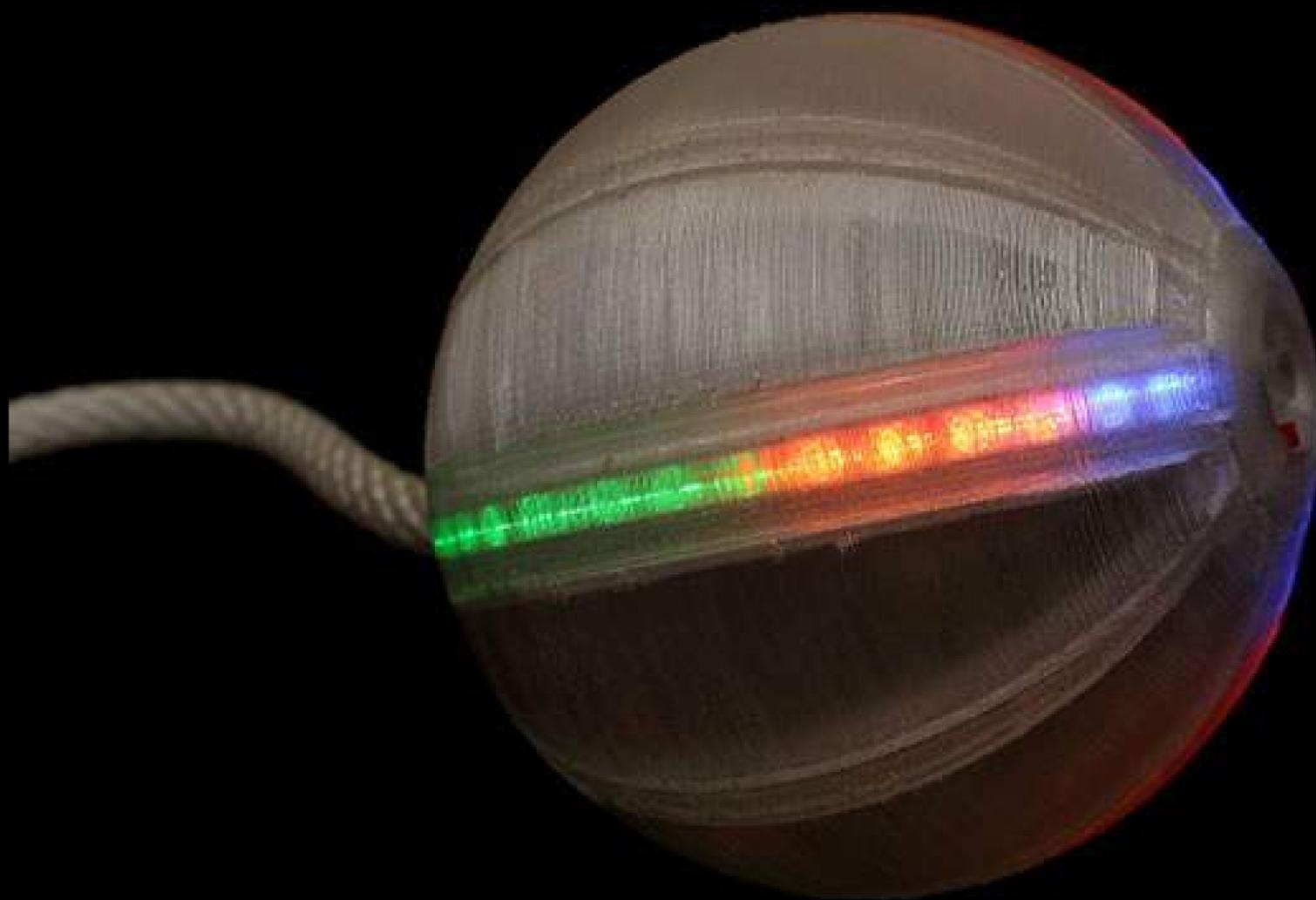
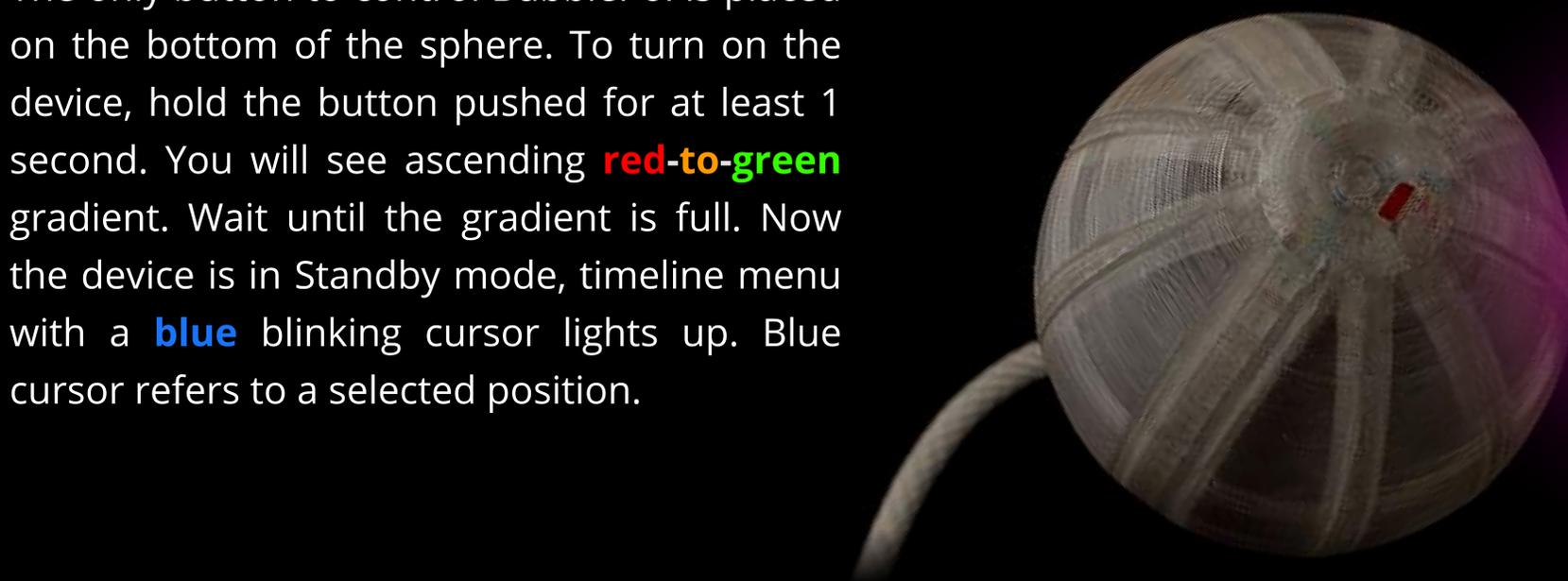


Dear customer,

Thank you for purchasing Ignis pixel poi. To make its lifetime as long as possible, as well as to keep the warranty valid, please read the instruction entirely and follow our advice.

—● Controls

The only button to control BubblePoi is placed on the bottom of the sphere. To turn on the device, hold the button pushed for at least 1 second. You will see ascending **red-to-green** gradient. Wait until the gradient is full. Now the device is in Standby mode, timeline menu with a **blue** blinking cursor lights up. Blue cursor refers to a selected position.



This menu consists of 3 preset timelines of **orange** color, and 4 custom timelines of **green** color:

PRESET TIMELINE 1. Successive displaying of all loaded pictures for 4 seconds each (see Note 1)

PRESET TIMELINE 2. Random displaying of all loaded pictures for 4 seconds each (see Note 2)

PRESET TIMELINE 3. Solid color mode (see Note 3)

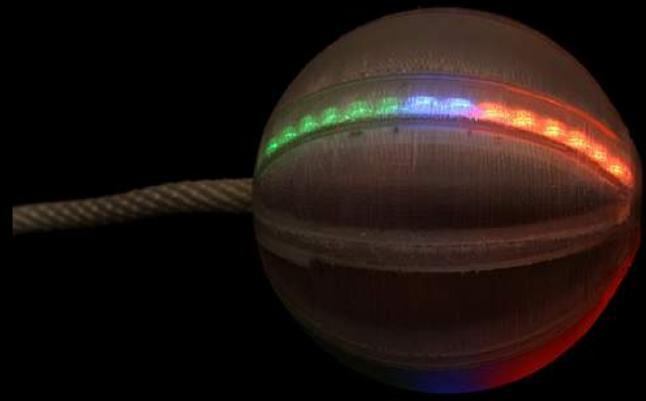
Note 1: *The images in PRESET TIMELINES 1 and 2 change with the duration set from the application in the range from 1 to 8 seconds. This parameter can be set only from the app. On default the duration of pictures in timelines 1 and 2 is set on 4 seconds.*

Note 2: *If you run random playback from the app on several poi at the same time, it will be pseudo-random playback. It means that pictures go randomly, but all the devices will show the same. If you run preset timeline 2 on different devices from the button at different time, they all will display different images — it's actually random.*

Note 3: *When you go into this mode, you see a rainbow-like scale of available colors. To choose the required color, push the button and hold it for 0,5 second. Selected color blinks. Short push the button runs the poi on a selected color. When the device is launched on a certain color and if the device is untouched, one of the LEDs on the scale shines dimmer than the others. Its position shows the current battery level. If the dim LED is on top, it means 100% battery charge. Lower position of the dim LED means lower battery charge. When you use the device as a lamp in this mode, for example in camping, in a tent or elsewhere, you can visually evaluate the remained battery level. It can be useful if, for example, for the next several hours you need to use it as a lantern, and you can decrease the brightness so the device would shine longer. Anyway, when you start spinning the device with enough speed, all LEDs become the same bright.*



CUSTOM TIMELINE 1-4. Beyond **PRESET TIMELINE 3** you see a green scale with the same blue cursor. These are Timelines 1, 2, 3, 4 — custom timelines, where you can put pictures in any order. If there are no pictures in a custom timeline, it glows dim blue after you run the poi. If you fill a timeline with pictures, you will see them running in the same order as you put them.



CUSTOM TIMELINE 1, the cursor is on 4th position.

SINGLE IMAGES. Go beyond **CUSTOM TIMELINE 4**, and you get into green scale, but the cursor turns **red**. You are in Single Image mode. This mode has 16 positions on ascending scale, and 16 on descending one. Those are the first 32 pictures that you can run separately from the button. When you run the poi from this mode, a selected image doesn't change, it will be displayed permanently. It can be useful on photo sessions. Though it's easier to operate single pictures from the app. Besides, Ignis Pixel mobile app gives access to all 126 slots for single pictures.

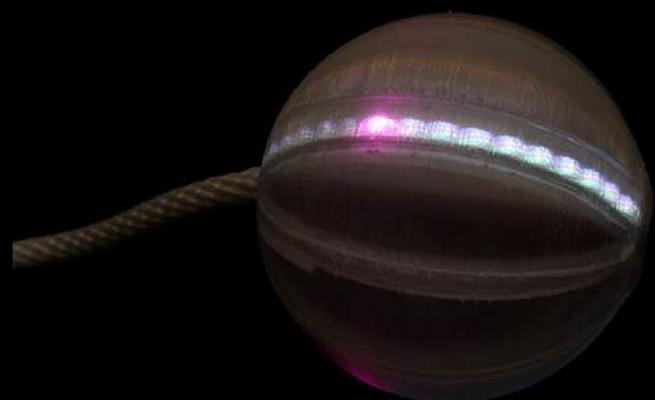


SINGLE IMAGE mode, the cursor is on 5th position.

- **Moving the cursor UP.** When your poi is in Standby mode, push the button, and right after the cursor moves up, release the button — you will see the cursor on the next position. Thus, you can move the cursor up.
- **Moving the cursor DOWN.** When your poi is in Standby mode, push the button and hold it a little, until the battery level scale appears. Release the button. Another short click — the cursor gets back to the previous position. If you went far ahead and need to click many times to go down to the first position, there is an easier way. Just turn off the poi and then turn it on — you are on the 1st position.

Note: if the poi is connected to a power source (computer or USB-charger), the cursor position is retained after turning off then on.

- **Adjusting brightness.** There is a scale to adjust brightness from the button. To get to the scale, run any timeline, and from this position click and keep holding the button until the **rose** cursor on the white scale appears.



Short clicks move the cursor through 6 levels of brightness. While you are moving the rose cursor, you see how the brightness of the white scale changes. Higher position of the cursor causes higher brightness. Confirm required brightness by 1-second push. The poi goes into running mode, so you can see the current brightness right away.

- **Turning off.** To turn the poi off, press and hold the button for 3 seconds. From running mode, you will see standby mode, then brightness level scale, then the device turns off.

Watch a video guide of button operation for better understanding:

<https://youtu.be/R42gudSvO58>

(turn on English subtitles in Youtube settings)



To sum up the principal modes in operation with the button:

- **Turn on** the poi: push the button for at least 1 second. You will see an ascending gradient, then the poi gets to Standby mode with a blue blinking cursor;
- **Run the poi** from selected timeline/image: short click the button (less than 0,5 second);
- **Go out of Running mode** back to Standby mode: click the button and hold it for 1 second (such delay protects from incidental clicks when you spin the poi);
- **Turn off** the poi: push the button and hold it for 3-4 seconds until all lights fade away;
- **Shift the cursor up** in Standby mode: press and hold the button for at least 0,5 seconds. As soon as the cursor shifts up, release the button.
- **Shift the cursor down** in Standby mode: press and hold the button for at least 1 second until Battery level scale appears (red-to-green gradient), then release the button. The cursor shifts down, you are in Battery level mode. Click the button short to get back to Standby mode. To go one more step down, hold the button until Battery level scale appears again.
- **Return to 1st position** from any position of the cursor: just turn off the poi and turn it on (works only if the poi is not connected to a power source. If otherwise, the cursor retains its position after turning off and on).
- **Set required brightness:** run any timeline, then click the button and keep holding (around 3 seconds) until the **rose** cursor on the white scale appears. Choose required brightness.
- **Check current battery level:** when you are in Standby mode, push the button for 1 second. The current battery level is displayed as a red-to-green gradient. Full scale means 100% charge, half — 50%, etc.



On the figure the poi is 90% charged.

After 10 minutes of inaction in Standby mode, the poi automatically turns itself off. In timeline/picture mode the poi works until the battery is discharged. When the battery is low, the LEDs blink red for 10 seconds. To maintain the lifetime of the battery it's highly recommended to charge BubblePoi the same day.

—● Weight adjustment

Ignis BubblePoi have an option for adjustment weight on the poi and knob. The poi have inner channels with metal beads inside. Hook on the lower cap with a nail or something sharp, like a little flat screwdriver, and take off the lower cap. You can see 6 channels where you can add or remove the beads to change the weight of the poi.



The knob has a few washers inside. Hook on the lower cap with a nail or something sharp, like a little flat screwdriver, and take off the lower cap. Using a screwdriver of another sharp tip, remove the washers to lessen the weight of the knob.



● Using as a juggling ball

Ignis BubblePoi can be also used as juggling balls. For this, just disconnect the cord – pull the cord hard, the cord will go out of the ball. To attach the cord, lean the low tip of the cord on some hard surface and press the poi, holding the hole against the bearing.

https://youtu.be/JO_k_xEKT7s



● Charging

To charge the Bubblepoi, plug them to a USB-charger or computer — you will see a red light. You can see the level of charge by position of the red light. The level of charge corresponds to its position. If it's in the middle, the poi is 50% charged, if on top — it refers to full charge, etc. When the poi is on charge, the red light slowly moves towards the top. When the poi is completely charged, the light finally turns green.



The position of the red light roughly shows 90% charge.

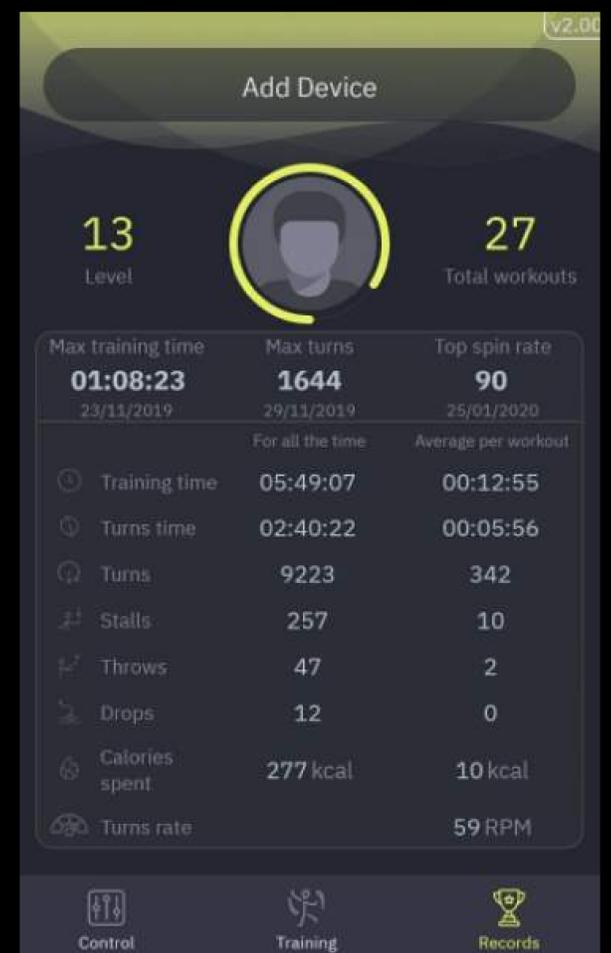
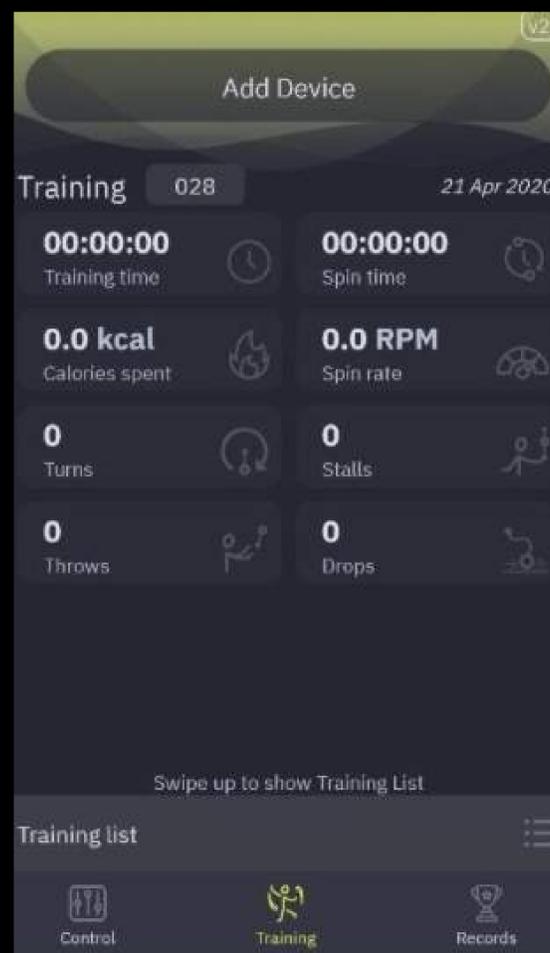
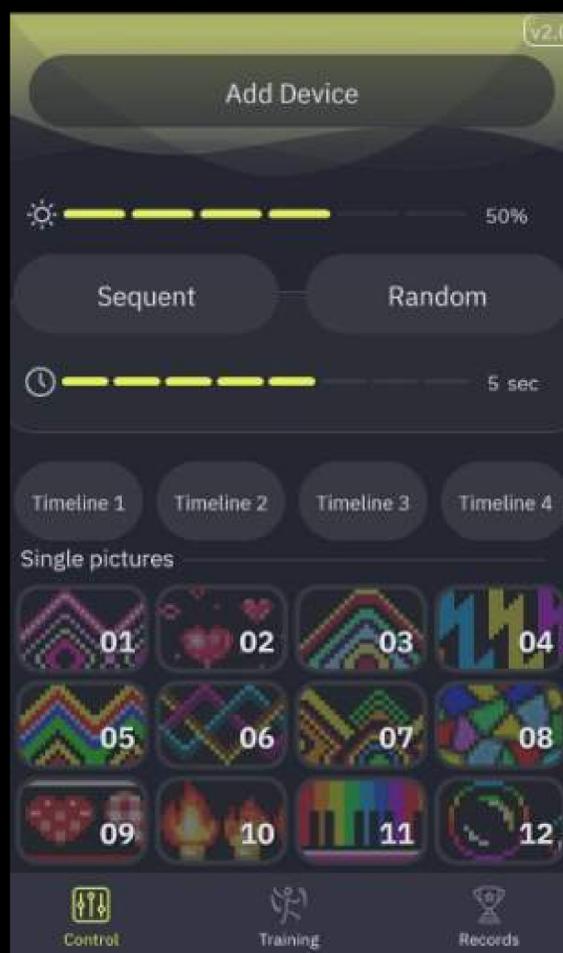
- Lithium batteries don't have a memory effect, that is why we recommend charging the poi every time after using them; don't wait till they are totally discharged. If you charge the poi every time, it makes the lifetime of the battery longer.
- Avoid deep discharge of your digital poi! Otherwise, it may result in loss of battery capacity and reduction of working time.

—● Bluetooth connection BubblePoi to a cellphone

Install Ignis Pixel App on your cell phone to get access to get full functions of Ignis product. Turn on Bluetooth on your phone to connect the device. Ignis mobile app allows to operate the device via your cellphone (to upload pictures, make timelines, launch and stop the device, change brightness of pictures and duration). If you have Smart or Ultimate versions, you can see detailed statistics in the app. You can operate more than one device synchronously. The app is available for both Android and iPhone versions.

<https://play.google.com/store/apps/details?id=com.ignispixel>

<https://apps.apple.com/app/ignis-pixel/id1531377562>



—● Taking photos and videos with your poi.

You will need a camera with manual settings mode and a flash. Find a dark place, the spinner should be in deep shadow. Set your camera: ISO 200, f6.3, shutter speed = the speed of your trick, 0,3-0,5 sec usually. Turn the flash on. If poi trail is too bright, use f8.0.

Video is a trickier thing. You have to upload images with reduced to 12-25% brightness. This is necessary to equalize poi luminosity and background brightness to gain correct exposure. You should see normally exposed poi trails and a performer clearly on the camera screen.

Camera. We recommend using a cam with "global shutter", not a "rolling shutter". Nice result could be on new DSLR cameras like Canon 5D mark4, shutter speed 1/25 and 25 FPS framerate works pretty well. Anyway, a camera doesn't see poi trails like a human eye does, so some post-processing is necessary, for example, Echo effect to make the trail longer as you can see with your eye.

Tips for smartphones. Use "Night" camera mode if you don't have manual settings. This will make the shutter speed slower and trails longer. Filming through the sunglasses is a good idea as well. The best result could be achieved with camera applications with enhanced settings, you need to adjust aperture and ISO manually.



—● Maintenance

- Keep the battery charged. Lithium batteries don't have a memory effect, that is why we recommend charging the props every time after using them; don't wait till they are totally discharged. If you charge them every time, it makes the lifetime of the battery longer. This advice works for your smartphone, laptop, and for any gadgets with Li-ion batteries inside. Optimal is to keep your battery above 70%.
- Water. The props will be damaged for sure if some water gets inside. If you feel you have no chance to keep them dry under the rain, for example, take sticky tape and cover USB port, buttons, and other spots where the water may go inside. Water damage is not covered by the warranty. Feel free to contact us if issues pop up.

—● Temperature recommendations

- Operating temperature to keep and use pixel equipment is from -20 °C to 50 °C (from -4 °F to 122 °F). On low temperature, the time of working can be diminished due to reduced battery capacity when a battery is kept on cold. When you come back to room temperature, all characteristics get back to the normal level.
- If you really need to perform in freezing cold, keep the devices in a warm place and take them right before the show. In this case the batteries don't have enough time to cool off, and the working time remains almost the same.
- Selfheating by bright modes can also be used when performing in the cold — it doesn't allow the battery to freeze during the performance.

—● Warranty

We give 2-year warranty for our pixel equipment. If during this time some defect or malfunction comes out, we either fix it or make a free replacement of a faulty element. All shipping charges are laid upon a customer, except cases when a device came initially defected or a failure was revealed right after using the device.

Ignis pixel equipment is strong enough to survive collisions on normal spinning speed (about 2 revs per sec). Anyway, it cannot be called indestructible. Warranty does not cover damages caused by hard collisions, drops, and water.

Estimated lifetime of Ignis Pixel equipment is 5-10 years and limited only by battery life (like in mobile phones). If the battery becomes worthless, get in touch with us to replace it with a new one, or we can tell how to change it by yourself.

If the equipment shows any failure, first and foremost reach us out by email support@ignispixel.com and tell what happened. In most cases, a failure is possible to fix on place, without sending back to us — this will save you a lot of time and money to send it to and fro.

It's really important for us to know all weak spots of our equipment, so we could make it even more reliable and durable. We would appreciate if thus you help us to evolve.

To get in touch with us and ask questions about the props, go to contacts area on our website:

<https://ignispixel.com/contacts>

Email: pixel@ignispixel.com

Kindest regards,

Ignis team



● Control scheme

Press the button to turn on the poi and get to Menu

Menu

Blue blinking cursor is on the 1st position.

To move the cursor up (to the next timeline or picture) press the button for 0,5 sec.

To move the cursor down hold the button for 1 sec until Battery level appears. Then click the button shortly.

To turn off the poi press the button for 2 sec.

To return to Menu hold the button for 1 sec.

To run the poi click the button shortly

Running mode – Timeline or Single picture

Selected mode is launched.

To turn off the poi press the button for more than 3 sec.

To return to Running mode press the button for 1 sec.

To get to Brightness setting hold the button for 2 sec.

Brightness adjustment

Position of the cursor shows the level of current brightness.

To change the brightness click the button shortly.

To get into battery level scale press the button for 1 sec.

Battery level

The position of the red cursor shows the battery level.

Green light on the top means full charge.

To return to Menu click the button.

