

PNJ-POCKET

USER MANUAL

MINI 4K POCKET GIMBAL STA-POCKET



WWW.PNJ.FR

SHARE YOUR VISION

Thank you for choosing a PNJ product. This manual describes how to prepare and use your product. It's also providing information about the utilization and safety precautions, the regulations, compliance and technical specifications of the device. Please read completely, carefully and regularly before use, become familiar with all the features of the device and ensure safety use of your gimbal to enjoy fully with it. Keep this manual for future use. The manual is also available on our website www.pnj.fr under the heading «User manuals».

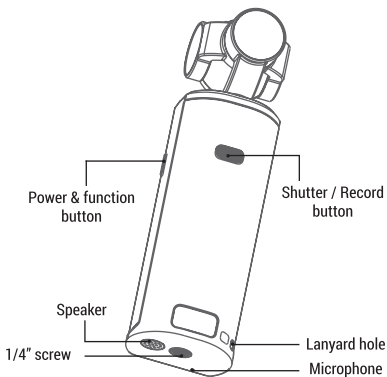
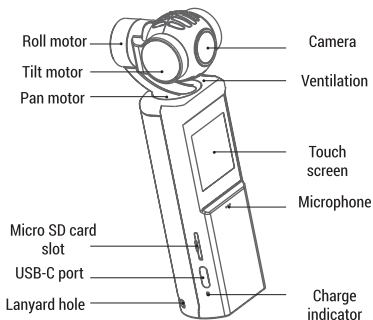
IMPORTANT

The english User Manual can be downloaded on our website: www.pnj.fr/en/user-manuals/

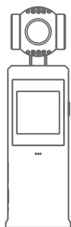
- Do not put the gimbal near flammable materials or hot surfaces.
- Do not leave the battery unattended during charging.
- Always keep the application up-to-date.
- Always use the included USB charging cable only.
- By owning, charging or using the Li ion battery, you assume all risks associated with the use of lithium batteries.
- Always keep out of reach of children.
- Before charging the battery, check that it is not damaged. Check that the battery has not swollen or that the battery compartment is not punctured. If you notice any of these situations: **DO NOT CHARGE THE BATTERY!**
- If you notice that the battery starts to swell during charging, disconnect the stabilizer immediately and do not use it again. Continued use of an inflated or deteriorated battery may cause an explosion.
- Disconnect stabilizer from the charger if it becomes too hot (Never exceed 49 ° C / 120 ° F) or swells. If the battery becomes hot, disconnect the charger immediately.
- Charge only on non-flammable surfaces. Never charge inside a vehicle!
- Do not expose the battery to any source of heat or high temperature.
- Never put the battery in contact with water or immerse it in any other liquid.
- Improper use of the battery may cause fire, explosion or other hazards.
- In case of fire caused by the battery, do not use water to extinguish the fire (sand is recommended).
- Be sure to use this product in a safe and responsible manner to avoid personal injury and / or property damage.
- Make sure that your use is in accordance with the legal provisions of the country where you are located.

PRODUCT OVERVIEW

1. Parts of Gimbal



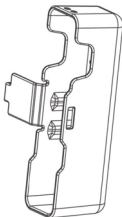
2. Included in the pack



Gimbal



Type-C cable



Carrying case

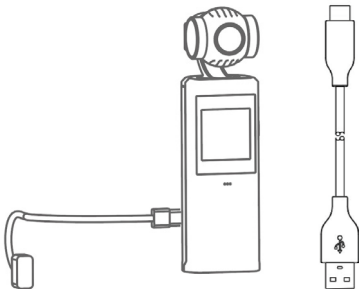


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OPERATIONS

1. Charging the PNJ-POCKET

Charging the gimbal before the first use is very important. Please charge the gimbal for 90 minutes until the battery is fully charged.



To charge the gimbal, connecting the type-c cable to any standard USB outlet or smartphone charger. The battery will stop charging when it is fully charged.

Charge: Charging time is approx. 90 min (when using a USB adapter of 5 V/2 A).

The status LED indicates the battery level during charging. Refer to the table below for details.

Temperature: Make sure to charge the PNJ-POCKET in an environment where the temperature is between 0° C-45° C. For safety, the PNJ-POCKET limits the charge current when its temperature is over 45° C. In that case the Pocket Gimbal cannot be fully charged.

It is normal that the PNJ-Pocket gets hot during operation, avoid covering and blocking the ventilation holes.

2. Battery LED Light Indicator

Charging	Red light is on
Fully charged	Green light is on

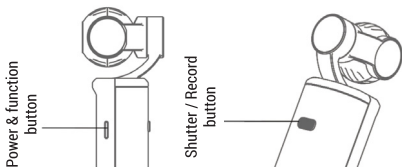
The LED is red during charge and turns green once fully charged.

3. Turning on/off the PNJ-POCKET

Press the Power/Function button for two seconds to power on/off.

Press the Power/Function button twice briefly to re-center the gimbal.

Press the Power/Function button briefly three times to switch the camera to face forward.



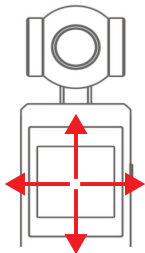
Single press the Shutter/Record button to take a photo or to start/stop recording a video in camera view.

You can adjust the position of the gimbal head manually to face the direction you like. Gently turn the gimbal head with your hand in any direction. This can be done in any mode.

4. Operating the touch screen

When turned on, the main screen displays the camera view, the recording mode, battery level, and the Micro SD card information.

From there you can swipe up, down, left or right to access different menus detailed below.



Swipe down for the main settings menu:

(1) WiFi Settings

Tap the icon to turn on/off the Gimbal's WiFi option. WiFi must be turned on to use the App.

(2) Ratio Settings

Tap the icon to switch between full screen and 16:9 display.

(3) Brightness

Tap the icon to switch between the three brightness levels.

(4) Sound Settings

Tap the icon to turn the beeps on/off.

(5) Storage

Displays the remaining capacity of the Micro SD card. Tap here to format the Micro SD card.

(6) **System Settings**

Tap the icon to go to the system settings.

Anti-Flicker: Use this to prevent flickering of lights during recording.

Auto PowerOff: Tap the icon to set Auto Power On/Off.

Calibration: Tap the icon to re-calibrate the gimbal. Calibration is used to reduce drift or tilt caused by operating errors or close magnetic interference. Place the Pocket Gimbal on a flat surface and do not touch it during calibration.

Auto Dormant: Tap the icon to set the display to turn off automatically.

Language: Tap the icon to set the language of the menu.

Info: Shows the serial number and firmware version of the gimbal.

Reset: Tap the icon to restore to factory settings.

Swipe Up for Album menu

Swipe left or right to scroll through photos and videos. Tap a video to play it. Tap the trash can icon to delete the photo or video.

Swipe Left for video settings menu

Swipe left on the main screen to enter shooting mode settings.

(1) **Camera**

Tap the icon to set the photo ratio and set the timer.

(2) **Video**

Tap the icon to set the video resolution and ratio.

(3) **Slow Motion**

Tap the icon to set the slow motion speed.

(4) **Time-lapse**

Tap the icon to set the duration and intervals.

Swipe Right for gimbal settings menu

Image settings: From the main screen, tap on the camera icon on the top left of the screen to access the exposure, White balance and ISO settings.

Swipe up/down to select, click "OK" to save.

Swipe right on the main screen to enter the gimbal control settings page.

(1)  **Recenter**

Tap the icon to re-center the gimbal, the camera will face-backwards (Selfie mode).

(2)  **Flip**

Tap the icon to switch the camera to face forward.

(3)  **Follow**

*Tap to switch between Slow Follow and Fast Follow.

In Slow Follow, the gimbal responds slower, but the movement is smoother.

In Fast Follow, the gimbal responds faster.

(4)  **Follow/ FPV/ Half Follow**

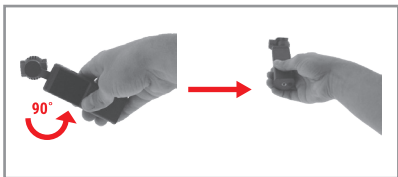
*Default mode is Follow

Follow: pan and tilt follow the target. The PNJ-POCKET moves according to User's movement, when the pocket goes from left to right or from up to down, the camera follows smoothly. When the movement stops, the camera slows down the movement.

FPV: pan, tilt, and roll follows the target.

Half Follow: only pan follows the target.

5. Portrait and Landscape Modes



You can use your PNJ-POCKET both in landscape and portrait mode. Change to the portrait mode by:

1. Swipe right and tap the  icon to set the half follow mode (H-F).
2. Tap the  icon to re-center the camera.
3. Tilt the PNJ-POCKET to the right by 90°.
4. Then turn the PNJ-POCKET to yourself so that the 1/4 screw faces you.

To reset the PNJ-POCKET to landscape mode simply lift up the gimbal.

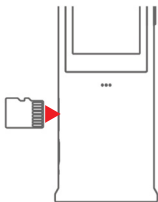
6. Streaming and Media storage

Using your gimbal as a webcam with a PC

The PNJ-POCKET can be used as a webcam with the Microsoft® application "Camera". Simply connect the gimbal to your PC using the included type-c cable. Select UVC mode on the PNJ-POCKET screen. Open the "Camera" application on your PC (Windows®). The PNJ-POCKET will be recognized automatically.

Saving media on the micro SD card

- (1) The images recorded on the PNJ-POCKET can only be saved on a micro SD card (not included).
- (2) It is recommended to use a micro SD card with a transmitting speed at UHS-I Speed Class 10 U3.
- (3) Insert the Micro SD card into the Micro SD card slot as shown on the figure below.
- (4) When an SD card is inserted into the gimbal, media will be automatically saved on it.



Transferring your files to a computer or a smartphone

1.To transfer your media to a computer connect the Gimbal to a PC or Mac using the USB-C cable, select "storage". The SD card will be discoverable in your computer file explorer.

2.To transfer your media to your smartphone:

a) on the PNJ-POCKET, swipe down to settings and turn the wifi on ((•))

b) note the Wifi name and password in the Wifi menu

c) Connect your smartphone to the "POCKETPRO_XXXXXX" using the password from the PNJ-POCKET

d) In the Pocket Gimbal application, go to the home page  and click the  icon. You will see all the files synchronized with the app. You can synchronize more files by clicking the + button on the top right of the screen, select a file and press 

e) Once the file is synchronized with your app, you can download it to your phone by selecting it and pressing the save icon at the bottom of the screen 

APPLICATION

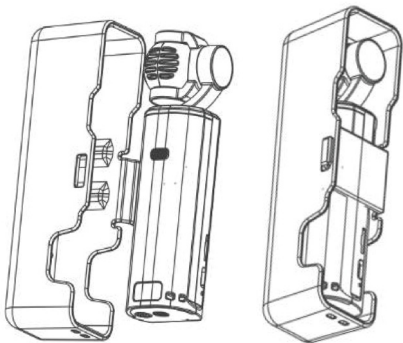
1. Download the Application

Your gimbal works with the Pocket Gimbal Application. It is available on both Google Play and Apple App Store. You can search the Google Play Store or the App Store for the Pocket Gimbal application.



Pocket Gimbal





MAINTENANCE

1. The PNJ-POCKET contains sensitive components that can be damaged by shocks or humidity leading to malfunctions.
2. Ensure that the gimbal ventilation areas are not obstructed when in use.
3. Your gimbal is not waterproof. DO NOT use any liquid cleansers but a soft dry cloth to clean the gimbal.
4. Keep the Pocket Gimbal away from sand and dust to protect sensors and motors.
5. When the PNJ-POCKET is not in use, it is recommended to use the cover to protect the type-c port. Avoid touching the type-c port during use as it may become hot.
6. Do not cover or touch the ventilation areas as they may become hot during use. If the gimbal overheats it will stop recording and shut down.
7. Always store your gimbal in the provided silicone case while not in use. Remember to charge the battery frequently if you don't use the gimbal for a long time.

SPECIFICATIONS

General

Dimensions	129.5 x 38 x 41.5 mm
Weight	134g
Input	5 V / 2 A or 5 V / 1 A
Output	5 V / 500 mA

Gimbal

Angular Vibration Range	$\pm 0.005^{\circ}$
Controllable Range Pan:	Pan axis: -230° to $+50^{\circ}$, Roll axis: $\pm 45^{\circ}$ Tilt axis: -95° to $+50^{\circ}$
Mechanical Range Pan:	Pan axis: -250° to $+70^{\circ}$, Roll axis: $\pm 90^{\circ}$, Tilt axis: -120° to $+98^{\circ}$
Max Controllable Speed	120°/s

Camera

Sensor	1/3.06" CMOS, Effective pixels: 12M
ISO Range	Photo: 100 - 1600 Video: 100 - 1600
Electronic Shutter Speed	The fastest Speed 1/1000
Max Image Size	4000 x 3000 px
Photography Modes	Single Shot, Self-timer
Video Resolution	4K/30FPS, 2.7k/30FPS 1080P/60FPS, 1080P/30FPS, 720P/30FPS
Video Recording Modes	Video; Slow Motion; Time-lapse
Video storage maximum stream	60Mbps (Depend on SD card)
Supported File Formats	FAT32
Photo Formats / Vidéo Formats	JPG / MP4
Supported SD Cards	Max. 128GB
Operating Temperature	0 C - 40 C

Battery

Type	Lithium Ion Battery
Capacity	1600mAh
Energy	5.53Wh
Voltage	3.7V
Charging Voltage Limit	5V
Charging Environment Temperature	0 C - 45 C
Operating Temperature	0 C - 40 C
Operating Time	140 mins (Based on 1080p/30FPS)
Charging Time	90 mins (when using a USB adapter of 5 V/2 A)

Radiofrequency

Frequency Band(s)	2412 - 2472 MHz
Maximum Radio-Frequency Power	13dBm

WARRANTY

This product is warranted for a period of 24 months from the date of original purchase by the consumer, except for certain wear parts, against manufacturing defects, upon presentation of proof of purchase (receipt with date, place of purchase, name of the product).

During the contractual warranty period, the defective product must be returned in its original packaging to the retailer's service center or to the www.pnj.fr website, depending on the place of purchase. After inspection of the product, the after-sales service will repair or replace the defective part or product, to the exclusion of any other compensation, if the product has been used correctly.

The warranty does not cover:

- Products that have undergone unauthorized alterations, modifications, customizations or other assembly.
- Damage resulting from accidents, normal wear and tear, contact with liquid (rain, water, etc.).
- Defects due to alteration or deterioration of the product caused by a fall, accidental shock or immersion, voluntary or involuntary.
- Defects due to abnormal use of the product, installation of spare parts not in accordance with instructions in this manual or at www.pnj.fr.
- Damage resulting from a repair performed by the user himself or an unauthorized third party, excluding exchange of spare parts provided by PNJ.
- Defects caused by parts not supplied by PNJ, including a battery not approved by PNJ. All products found to be defective after analysis will be returned to the shipper at their expense.

The spare parts necessary for the use of the product are available for 12 months, from the date of first commercialization of the product. Spare parts: Battery: 6 months.

RECYCLING



This symbol indicates that this product should not be disposed of with other household waste. Selective collection of electrical and electronic waste: Electrical products should not be disposed of with household products. According to the European Directive 2012/19 / EC for the disposal of electrical and electronic equipment and its execution in national law, used electrical products must be collected separately and arranged at collection points provided for this purpose. Consult local authorities or your dealer for recycling advice.

DECLARATION OF CONFORMITY



SAS PNJ, 18, Allée du Grand Totem, Bâtiment
Cloudy City, 38070 Saint Quentin Fallavier,

France, declares under its sole responsibility that the product described in this manual complies with the requirements of the RED 2014/53/EU.

Reference: STA-POCKET

Batch: 200001003

A copy of the Declaration of Conformity is available at the following address: www.pnj.fr/certifications

Date: 20/03/2020

Christian Pouthier, directeur produits SAS PNJ

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