PARD Night Stalker 4K

Digital Rifle Scope

Manual

May 2024

Applies to New Zealand Market

Website - Pard.nz

Important

- This manual applies to all models of the NIGHT STALKER Series
- This device contains a visible laser and laser IR Emitter (the IR Light). Because of the potential risk to your eyes vision do NOT look directly at either of these light sources, or point them toward other people, pets, and reflective objects
- Never remove the battery while the unit is switched on, even in sleep mode as this may cause the device to fail to start up or function abnormally. You may need to reinstall the software to correct this
  - Ensure that the LED light is NOT on before removing the battery
- **Always remove the Battery from the device for charging and only use a quality charging device and batteries**
  - These devices use 18650 FLAT TOP batteries (3.7v)
  - Remove the battery when the device is not being used (Storage)
- DO NOT power the unit from an external USB Battery source
- **Never point the device at strong sources of light, such as the sun, welding or a laser; damaged caused by such will void the warranty**

Videos

We have made a series of videos on setting up the PARD

All our videos are taken in New Zealand, they show the real-world results that can be achieved with the PARD. Visit pard.nz and look for 'How to videos' under the Support Menu

Support

If you have any questions or issues with your device, please contact us via the website

Some variations may exist due to variations in the firmware

This manual is for New Zealand Only and supersedes anything else

If you are after after hours support, please txt or email us as we do have families – it maybe a simple fix and we can reply quickly if available

Warranty

In New Zealand this device is warranted against defects in materials and workmanship for a period of two years from the date of purchase

This applies to the original purchaser only

Do not attempt to disassemble the device by yourself. If there are any issues please contact us.

All damage caused by misuse or accidental damage, including use in abnormal working conditions, damage caused by failure to follow the instructions or damage by batteries is not covered by the warranty

TO USERS //////////////////////////

Thank you for your continued support and for choosing PARD Night Stalker 4K series night vision device. Please read this manual carefully before using the device for the first time. Please follow the instructions in this manual to avoid any damage caused by improper use and to ensure that your device operates properly.

After reading, please keep this manual in a safe place, for future reference. This manual provides step-by-step instructions on how to use your night vision device and is intended for your reference only.

PARD reserves the right to amend this manual at any time without prior notice to individual users. For the most up-to-date information, we recommend visiting PARD's official website. PARD reserves the final right of interpretation of this manual.

PRECAUTIONS //////////////////////////

- Please remove the insulating tape before using the battery for the first time. It is recommended to use a fully charged lithium-ion battery with a rated voltage of 3.7V.
- When not in use, always turn off the device. If you are not going to use the device for more than 10 days, please remove the battery and store it in a safe place.
- Use extreme caution and care when using or transporting the device. It is recommended that original packaging be used during transportation.
- To avoid eye damage, avoid staring directly into the infrared fill light from a close distance!
- When this product's IR infrared light is turned on, it will use a large amount of energy. Aiming at flammable objects up close is absolutely prohibited because doing so could start a fire. Please go into sleep mode or turn off the IR infrared fill light when not in use.
- Avoid scratches and damage to the lens caused by oil or chemical contamination. When not in use, keep the lens cap on.
- The device should be stored in a cool, dry, ventilated environment free of strong electromagnetic fields, with temperatures no lower than (-22°F/-30°C) and no higher than (133°F/55°C).

- Do not disassemble the device without authorization. If you encounter any problems, please contact our after-sales team and report them on our official website. Failure to do so will render the warranty service null and void.
- **Attention !** All PARD night-vision and thermal imaging devices require a license when exported to outside your country.

PACKAGE CONTENTS //////////////////////////

Icon	Contents	Quantity
	Night vision device	1
	3.7V 18650 Rechargeable lithium-ion battery	1
	Protective case	1
	Type-C cable	1
	30mm Standard mount rings	2
	Allen wrench	3
•	IR replacement screw (IR version only)	1
	Cloth	2
	Rubber eye cup	1

DESCRIPTION & KEY FEATURES ///////////////////////////

The Night Stalker 4K Series offers a higher resolution of 3840 x 2160 CMOS sensor, providing greater clarity and detail in images and videos captured in low-light conditions. This high resolution enables better identification of targets. Despite its advanced technology, the Night Stalker 4K Series maintains a traditional day scope exterior, ensuring familiarity and ease of use for users accustomed to conventional scopes. Moreover, it is a multifunctional day and night scope with cutting-edge technology. With a ballistic calculator and a 1000m/1200yds LRF, users can improve their accuracy and hunt smarter with intelligent technology.

Key features

1. 800*800 Circular IPS display, first in the world
2. Image shift zero
3. Ballistic calculator
4. Patented focus-free lens cap
5. Long eye-relief display system (LEDS)
6. 350m adjustable IR fill light
7. 1000m/1200yds laser rangefinder
8. Self-activated recording
9. Completely new UI
10. 4 Image modes (color, black and white, green and yellow)
11. Multi-functional control knob
12. WiFi
13. IP67 rating
14. 6000J recoil resistance

COMPONENTS & CONTROLS /////////////////////////////
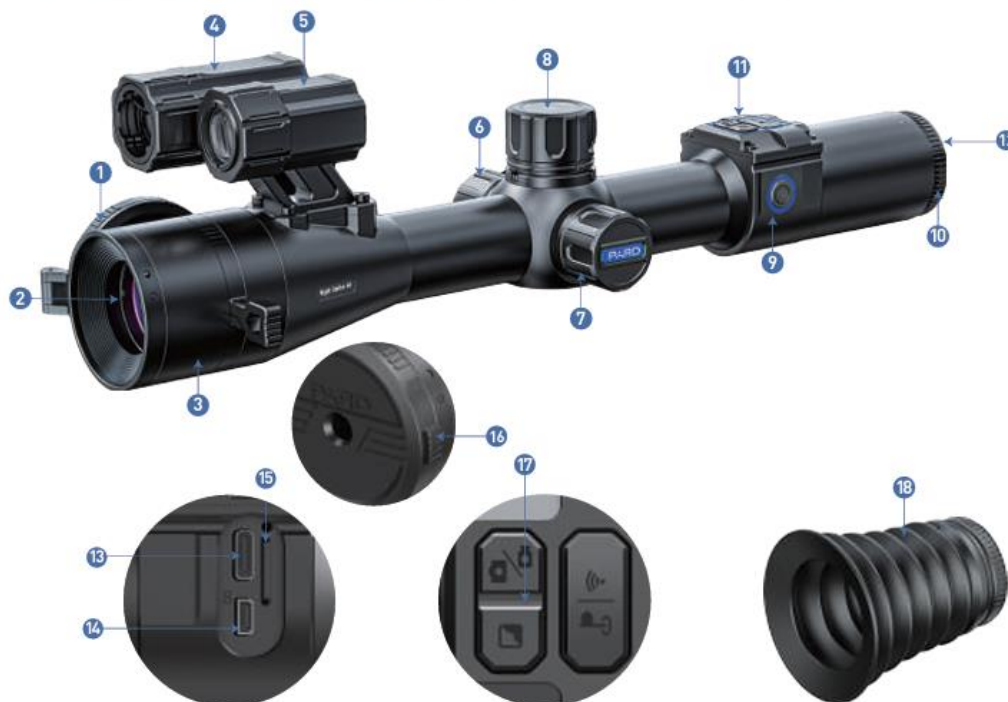
NO.	Name	No.	Name	No.	Name
❶	Lens cap	❼	Battery compartment	⑬	Type-C
❷	Objective lens	❽	Control knob	⑭	HDMI port
❸	Focus lever	❾	Power/Sleep button	⑮	Micro SD card slot
❹	Laser rangefinder (only for LRF version)	❿	Diopter adjustment ring	⑯	Focus-free lens cap switch
❺	IR light	⓫	Button panel	⑰	Power indicator
❻	Battery cap	⓬	Eyepiece lens	⑱	Rubber eyepiece

INSTALLATION /////////////////////////////

1.Unboxing

Before using this device, please do the following:
❶ Open the box and remove the device.
❷ Check to ensure that the package contents listed above are all included in the box.
❸ Check the device for any damage to the display, body, lens, buttons, etc.
❹ Make sure that the objective lens and eyepiece are clean & functioning properly.
   Note: If any accessories are missing or damaged, please contact our after sales service at once.

2.Battery installation and startup

The battery installation steps are as follows:

2.1 Unscrew the battery cap counterclockwise and remove the battery.

2.2 Remove the insulating tape.

2.3 Insert the battery, ensuring that the positive (+) side goes in first and tighten the battery cap clockwise.

2.4 To turn on the device, press and hold the power button for about 3 seconds. (When the power light illuminates and the PARD Logo appears on the screen, the device is ready for use.)

Note:
❶ Please use a single 18650 rechargeable lithium-ion battery rated 3.7V voltage.
❷ Do not put battery into fire.
❸ Do not put device into water when the battery cap is open.
❹ Do not disassemble the device without authorization.
❺ Do not pierce the device with sharp objects.
❻ Battery should be kept out of reach of children, and the positive and negative terminals of the battery should be installed correctly.

3. Mount installation

To ensure the best user experience, we highly recommend using our original mount included in the product packaging.

1. Take out the night vision device, two scope rings and an allen wrench out of the box.
2. Use the Allen wrench to unscrew the ring tops, and loosen the screws on the bottom half of the mount.
3. Attach the bottom half of your rings to the rail.
4. Tighten the screw on the rear mount to your rail to the desired position.
5. Place the scope in the scope rings. The scope should slide with minimum resistance.
6. Install the ring tops and tighten down the screws and make sure the scope stays level.

4. Diopter focusing

Diopter focusing is used to adjust users with different levels of corrected vision to clearly see the content displayed on the screen as shown in picture 1.

1. After powering the device, rotate the diopter focusing wheel so that you can see the screen clearly.
2. As long as you can clearly see the crosshair and text on the display, the diopter focusing setting has been completed.

Note: The image may not seem clear after diopter adjustment, as the objective lens still needs to be focused.

Picture 1

Picture 2

5. Objective lens focusing

1. Before you focus the objective lens, ensure that the diopter focusing has been completed.
2. Aim at the target and adjust the objective focusing wheel until you can see the target image clearly as shown in picture 2.

6. Compass calibration

After the eyepiece is focused, please use the "figure 8 pattern method" to calibrate the electronic compass. Users are required to tilt and move the device in a figure 8 motion until the compass is calibrated as shown below in picture 3.

Picture 3

NOTE – The compass and gyros are affected by your rifle and other metals – you should only use this with caution

OPERATION INSTRUCTION ///////////////////////////

Battery ❶
WiFi ❷
Profile ❸
Compass ❹ W 42 °
Time ❺ 22:01

❻ Magnification
❼ IR light
❽ Gyroscope
❾ Range (only for LRF version Range)
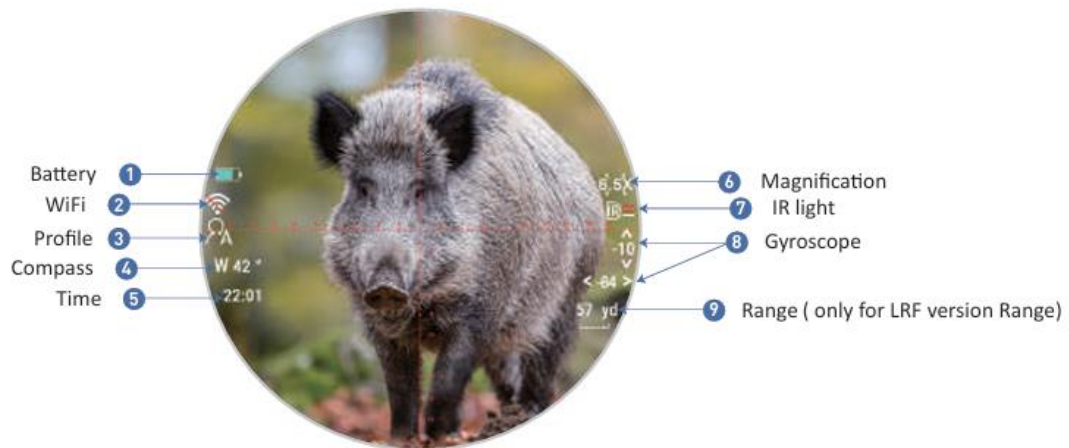
1. Shortcut Mode

Knob (Key1)	Rotate counterclockwise	Rotate clockwise	
	down/-/zoom out	up/+/zoom in	
	Single press	**Press and hold**	**Double press**
	quick menu/ok	full menu	PIP

	Single press	**Press and hold**	**Double press**
Key2	IR light adjustment	switch black & white/color mode	-
Key3	take a photo	record video	files
Key4	LRF/ballistic calculator/back	WiFi	-

Setup

Videos

We have made videos of unboxing and setup/zeroing – they can be found under the Support menu of the website

Please watch them – Especially the Zeroing Video

Setup Steps

1. Install the Rings – ensure that you can rotate the focus on the lens
   a. The Screws are in the plastic bag and an Allen key is provided
   b. Ensure they are tight
   c. As this is a 30mm Tube you can use any 30mm Rings
2. Turn it on
3. Press the MENU Button to bring up the menu
4. Adjust the Dioptre on the eye piece so you can read the text
5. Close the Menu
6. Adjust the front lens focus to suit what you are looking at
7. You are ready to Zero your rifle

How zero

One key point to stress – all digital and thermal scopes are different to 'day scopes' – for these you **MOVE** *the Reticle* **TO** *the bullet hole – this is the opposite to what you normally do in a 'day scope' – its actually very simple*

NOTE – to Change Profiles (A,B,C,D,E) or change the reticle style or colour – you need to do this in the Reticle Adjustment Menu

IMPORTANT – before a LONG Press of the OK button, move to the Save tab on the right and plus or minus on that to Y (Yes Save) before these changes will be SAVED

To do this you need to use the Reticle Adjustment Menu

1. Bore Sight The Rifle and Scope – Typically at 50m
2. Access the Menu – Reticle Adjustment
3. Select the Profile Letter you want to change; Press OK (Single click of Turret)
4. It will now be highlighting the X Setting
5. Aim at the TARGET – Fire 1 Shot – Can you see the bullet hole; if yes, then
6. Re-aim at the TARGET – HOLD the rifle steady – tap either the + or – button WHILE keeping the rifle steady aiming at the TARGET
7. The Screen will now be Frozen
8. Use the turret to move the Reticle **TO** the bullet hole horizontally (X); once happy
9. Press the OK
10. Use the turret to move the Reticle **TO** the bullet hole Vertically (Y); once happy
11. Press the OK
12. The Screen will now move again
13. Fire another Shot
14. Repeat from Step 4 to do more adjustments
15. To Save – LONG PRESS of the OK button

Write the figures down somewhere to keep a record in case they are lost

Tip - If you can't see the bullet holes as they are too small – i.e. at 100m – Simply place a marker or draw around the bullet holes

Ballistics

Both models of the NIGHT STALKER are equipped with Ballistics – the LRF version takes the data from the LRF

To use it

Turn it on in the menu to enable it if not done so already

- Press the LRF Button
    - A Range Marker will appear
- Place the LRF Aiming Box over the target
    - Press the LRF Button to Enter the range
- A New Aiming Point will appear with the Selected Range beside it – THIS IS YOUR NEW AIMING POINT

To adjust just repeat the process

WE RECOMMEND THAT YOU TEST YOUR DATA ON A TARGET AT YOUR INTENDED RANGES FIRST BEFORE HUNTING

We recommend to Register the NIGHT STALKER on pard.nz under the support menu to be informed of any software updates as their will likely be updates and upgrades over time

Ballistics and Range Unit Selection

NOTE – Metric or Imperial settings are controlled from the Range Unit Menu

Parameters Menu

See Notes on How Ballistics Work

- Profile – A to E – Selectable for different rifles or Ammo (Ensure it matches the correct Profile)
- Velocity – either FPS or MS (see above)
    - This should be obtained via a Chronograph
- Bullet Weight (gr)
- Bullet BC (G1 only at this stage)
    - This should be taken from the ammunition box or maker of from your calibrations
- Altitude – Used for calculations – set this to your normal altitude
- Temperature Used for Calculations – Set this either to a normal hunting Temperature or what it actually is if shooting further
- Scope Height – Inch or MM – Height from the Bore to the centre of the lens
- Zero Range – YarNight Stalker or Metres – the range you have zero'd the scope at
- Reference Point and Colour – Shows either a Line, Cross or Box for the new Aiming Point – plus Colour Options

NOTE When changing rifles, you ONLY select the Profile in the Reticle Adjustment Menu; the scope will read the ballistics related to the Letter

On and Off

Selects if the ballistics is active or not

- o NOTE this doesn't affect your zero – if you don't active the ballistics it will not affect your zero.
- o At all times when using the ballistics a NEW aiming point appears – the normal reticle remains where it is

Range Unit Selection

This controls BOTH what the LRF reaNight Stalker and also your ballistic settings

You can select:

- Metric – select Metres (Metres, m/s, mm)
- Imperial – select YarNight Stalker (YarNight Stalker, fps, inchs) by selecting the RANGE

Laser Rangefinder Adjustment

Depending on your rifle and zero – you may find the laser box on the screen doesn't match where the actual laser is pointed.

To Check

In the evening – turn the NIGHT STALKER into Night mode

Observe the location of the real laser flashing – check against the Laser Box on the screen

You should do this at your normal shooting range

To Align

1. Open the Main Menu
2. LONG Press of the Day/Night Button
3. Dial using the turret the X and Y – Press the Turret to move between
4. LONG Press of the turret to save

Above, the yellow aiming box isn't over the white flashing beam, in this case it neeNight Stalker to be moved down and right.

You should get this for each profile.

Lens Cap

The lens cap is designed to come off

To put it back on is quite simple – we have made a video

https://vimeo.com/908107750

2. Range unit selection:

Users can switch between "meter" or "yard" and the range unit can be updated instantly to meet the user's preference.
① Rotate the [knob] counterclockwise to move the cursor range unit selection option, and press [Key 1] to enter the sub-menu.
② Rotate the [knob] to choose between "meter" or "yard", then press [Key 1] to save and return to the previous page.

3. Picture in picture:

The top center of the display can show a 2x magnified picture to improve aiming visibility, allowing you to see magnified target details without losing the field of view.

① Rotate the [knob] counterclockwise to move the cursor to the PIP setting option, and press [Key 1] to enter the sub-menu.
② Rotate the [knob] to move the cursor to select "PIP OFF" or "PIP ON".
③ Press [Key 1] to save and return to the previous page.

4. Reticle adjustment:

① Reticle Adjustment refers to aligning the reticle with the point of impact at a zeroing distance, so that the position of the aiming point at this specific distance corresponds with the point of impact of the bullet.
② Rotate the [knob] counterclockwise to move the cursor to the reticle adjustment setting option. Press [Key 1] to enter the sub-menu interface.
Press [Key 1] to switch sub-menu options. Rotate the [knob] to adjust the value of the corresponding item.
- The first letter represents the crosshair storage type (there are 5 profiles A-E).
- X represents the x axis of the cross line.
- Y represents the y axis of the cross line.
- Style corresponds to the crosshair type (6 options available).
- Color corresponds to the color of the cross line (red/white/yellow/green).
- Under the Save option, "Y" means to SAVE, and "N" means DO NOT SAVE.
③ After selecting your preferred settings, press and hold [Key 1] to confirm, save and return to the home screen.

5. Gyroscope:

This function measures the orientation of the device so that the yaw and pitch angles of the device can be displayed and calibrated.
① Rotate the [knob] counterclockwise to move the cursor to the gyroscope setting option, and press [Key 1] to enter the sub-menu.

② Rotate the [knob] to select "Display" or "Calibration", and then press [Key 1] to enter.
③ "Display" indicates whether (or not) to display the yaw and pitch angle of the device on the home screen. Rotate the [knob] to select "Off" or "On", and press [Key 1] to save and return to the menu.
④ "Calibrate" means to enter the calibration state. After selecting, please place the device on a horizontal plane surface, and press [Key 1] to perform automatic calibration. After calibration, the device will automatically return to the home screen.

6. Default magnification：

After turning on the device, users can use this function to select the default magnification ratio.
① Rotate the [knob] counterclockwise to move the cursor to the default magnification setting option, and press [Key 1] to enter the sub-menu.
② Rotate the [knob] to select the default magnification you want, and then press [Key 1] to save and return to the previous page.

7. Default color：

There are 4 built-in color modes, "Color"/ "Black & White"/ "Yellow" and "Green". Users can choose their preferred color settings.
① Rotate the [knob] counterclockwise to move the cursor to default color setting option, and press [Key 1] to enter the sub-menu.
② Rotate the [knob] to select "Color"/ "Black & White"/ "Yellow" and "Green", and then press [Key 1] to save and return to the previous page.

8. Brightness of IR：

Users can choose the level of brightness of IR settings.

① Rotate the [knob] counterclockwise to move the cursor to the brightness or IR setting option, and press [Key 1] to enter the sub-menu.
② Rotate the [knob] to select "Off", "1", "2","3" and then press [Key 1] to save and return to the previous page.

9. Display brightness：

Users can choose their preferred brightness settings.

① Rotate the [knob] counterclockwise to move the cursor to brightness setting option, and press [Key 1] to enter the sub-menu.
② Rotate the [knob] to select form "Level 0" to "Level 6", and then press [Key 1] to save and return to the previous page.

10. Auto power off：

The auto power off function allows the device to automatically power down after being idle. This setting will still be enabled after the next startup.
① Rotate the [knob] counterclockwise to move the cursor to select the auto power off setting, and press [Key 1] to enter the sub-menu.
② Rotate the [knob] to select "Off", "One minute", "Ten minutes" or "Thirty minutes" duration options. After selection, press [Key 1] to confirm and save, and return to the previous page.

Note: After selecting your preferred time duration, the device will sense the last point of operation before beginning the shutdown. Shutdown will not start immediately after imputing the time, but will start after the device has been idle then it automatically triggers the shutdown command.

11. Auto recording:

After auto recording is on, device will start recording and continue to record after the next startup.

① Rotate the [knob] counterclockwise to move the cursor to the auto recording setting option and press [Key 1] to enter the sub-menu.
② Rotate the [knob] to select "Off" or "On" options, press [Key 1] to save and return to the previous page.

12. Loop recording:

Users can customize the segment recording duration. This can be set up under loop recording. When the capacity of the memory card is full, the new recording will automatically overwrite the previous saved files. When you select "Off" the recording will stop when the memory card is full, and the oldest video file will not be overwritten.
① Rotate the [knob] counterclockwise to move the cursor to the loop recording setting option, and press [Key 1] to enter the sub-menu.
② Rotate the [knob] to move the cursor to select preferred loop time duration "Off", "Three minutes", "Five minutes" or "Ten minutes". After selection, press [Key 1] to save and return to the previous page.

13. Self-activated recording：

When the device detects recoil, the whole shooting process will be recorded in 20 second intervals. The incremental 20-second video footage will be saved on the TF card.
① Rotate the [knob] counterclockwise to move the cursor to the self-activated recording setting, and press [Key 1] to enter the sub-menu.
② Rotate the [knob] to select "OFF", "ON" and "Impact Sensitivity" options.
③ After selecting "Off" or "On", press [Key 1] to save and return to the previous page.
④ After selecting "Impact Sensitivity", press [Key 1] to enter the sub-option menu of sensitivity level. Rotate the [knob] to select "Off", "Low", "Medium" or "High" mode. Press [Key 1] to save and return to the previous page.

14. Date stamp:

Users can set whether to display the time stamp in the lower right corner of photos and videos taken.

① Rotate the [knob] counterclockwise to move the cursor to the date stamp setting option, and press [Key 1] to enter the sub-menu.
② Rotate the [knob] to move the cursor to select "Off" or "On" options. After selection, press [Key 1] to save and return to the previous page.

15. Record audio:

User can set whether to record audio synchronously in the video.

① Rotate the [knob] counterclockwise to move the cursor to the recording audio setting option, press [Key 1] to enter the sub-menu.
② Rotate the [knob] to move the cursor to select "Off" or "On" option, after selection, press [Key 1] to save and return to the previous page.

16. Beep sound：

Users can enable or disable the device key sound when an external HDMI display is connected.
① Rotate the [knob] counterclockwise to move the cursor to the beep sound setting option, press [Key 1] to enter the sub-menu.
② Rotate the [knob] to move the cursor to select "Off" or "On" option, after selection, press [Key 1] to save and return to the previous page.

17. WiFi：

Through the WiFi connection, you can use your phone, PC or tablet as an external viewfinder enabling users to synchronously see the photos and videos on a larger screen.

① Rotate the [knob] counterclockwise to move the cursor to the WiFi setting option, and press [Key 1] to enter the sub-menu.
② Rotate the [knob] to move the cursor to select "On" or "Off" option. Select "Off", and return to the previous page. Select "On" to enable WiFi and return to the home screen.

Steps to connect to your mobile device:
①Download PardVision app from the Apple App Store or the Google Play Store.
② Turn on the WiFi on your device and on your mobile device.
③ Search the WiFi on your mobile device (the device WiFi network is a string of characters starting with PARD, which is a unique string of numbers). Please enter the password: 12345678 to connect.
④ Enter the application to operate and use.

Note: After the WiFi is turned on, you cannot access the menu. Press and hold [Key 4] to disable the WiFi and then enter the menu interface.

18. Exposure：

Users can choose their preferred exposure settings.
① Rotate the [knob] counterclockwise to move the cursor to the exposure setting and press [Key 1] to enter the sub-menu.
② Rotate the [knob] to select your preferred option. Press [Key 1] to confirm your selection.

19. Language：

Users can choose their preferred language.
① Rotate the [knob] counterclockwise to move the cursor to the language setting option, press [OK] to enter the sub-menu.
② Rotate the [knob] to move the cursor to select the desired language. After selecting, press [Key 1] to switch the

system language and return to the previous page.

20. ICON Display：

The users can set up show/hide ICON display of the device.
To access the menu, press and hold [Knob], then rotate the [knob] counterclockwise to locate the lCON Display option. Press [Knob] to enter the sub-menu. Rotate the [Knob] to select options such as On, 30 Seconds, 1Min, 3Min, 5Miror 10Min, and press [knob] to confirm, Selecting On ensures constant visibility of icons on the home screen, while choosing 30 Seconds makes the icons disappear after 30 seconds, and so on. Press any key icon to resume display.

21. Date/time：

The user can set the system date and time of the device.
① Rotate the [knob] counterclockwise to move the cursor to the date/time setting option, press [Key 1] to enter the sub-menu.
② Rotate the [knob] to adjust the setting date and time value, press [Key 1] to switch options, press [Key 4] to save and return to the previous page.

22. Format：

If users want to reformat the TF Card, it will delete all the data on the TF card permanently. Data cannot be recovered after reformatting. **Please operate with caution!**
① Rotate the [knob] counterclockwise to move the cursor to the format setting option, and press [Key 1] to enter the sub-menu.
② Rotate the [knob] to move the cursor to select "Cancel" or "OK" option. After selection, press [Key 1] to confirm the relevant operation and return to the previous page.

23. Default settings：

If users decide to reset the device, it will restore the device to the device's original operating system and delete all of the user data and all personalized settings in the device will be restored to the factory default settings. **Please operate with caution!**

① Rotate the [knob] counterclockwise to move the cursor to restore default setting option, press [Key 1] to enter the sub-menu.

② Rotate the [knob] to move the cursor to select "Cancel" or "OK" option. After selection, press [Key 1] to confirm the relevant operation and return to the previous page.

24. Version：

This function displays the device's version.

① Rotate the [knob] counterclockwise to move the cursor to the version option, press [Key 1] to enter the sub-menu to view.

② Press [Key 1] again to exit and return to the previous page.