

PARD TA Series

Product Manual



November 2021

Applies to New Zealand Market

Important

- This device contains a visible laser. Because of the potential risk to your eyes vision do NOT look directly at either of these light sources, or point them towards 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 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
 - 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 (Regardless if the unit is on or off) – Replace the Cap when not in Use**
- **Cleaning of Lenses – ONLY USE Proper Lens Cleaning Products and techniques (the same as a rifle scope or binoculars) – NOT your finger or dirty rag ...**

Support

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

Some variations may exist due to variations in the firmware

This manual is for New Zealand Only

Warranty

In New Zealand this device is warranted against defects in materials and workmanship for a period of three 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

Controls Overview



Unboxing

Each TA comes with

- Carry Bag (Brown)
- Shoulder or Belt Bag
- Hand Strap (Fitted)
- USB C Cable (For downloading from the SD Card if used)
- Lens Cap (Fitted)
- 1 x 18650 Flat top Rechargeable Battery

Not Included

- Battery Charger – we recommend that you use a quality battery charger

Battery Installation

This device uses a single 3.7v Lithium 18650 FLAT TOP rechargeable battery – please note the words FLAT TOP. We recommend using quality batteries!

The Battery is inserted Positive first. Ensure that the cap is closed tightly

NOTE

For first usage remove the battery and remove the protective tape that is over the positive terminal



Take Care when opening or closing the Battery Compartment – Ensure you push down on the release when opening or closing

Setup Steps

1. Turn the TA on
2. Focus the Eye Piece to your eye
 - a. Open the Menu (Short Press of the Menu Button)
 - b. With the Menu on the Screen – Adjust the Dioptre on the Eye Piece so you can read the text
 - c. Long Press of the Menu Button to Close the Menu
3. All Done

We use the menu as it displays text on the screen which makes it easy to see that the eye piece is focused nicely

Focus

As you use the TA and look at objects in the distance, adjust the focus on the front to make them focused – as you look around at different distances you will need to adjust the focus to make the image look the best at that range

NUC or FFC (Calibration)

Every so often the camera will calibrate itself, you will hear a small click and the screen will pause briefly while this occurs – you can also manually trigger this from the menu

Functions

Powering up / Sleep Mode

A single long press of the power button (Approx 1 Second) will turn the device either ON or OFF

A single quick tap of the power button will activate SLEEP MODE, another quick tap will ACTIVATE the device again.

You can verify that the device is in sleep mode by the glowing Blue LED light – DO NOT remove the battery while it is in sleep mode

Digital Zoom (+ Key)

A tap of the Magnifying glass button will activate the digital zoom – on the screen in the lower left you will see the 1x,2,4,6,8x showing you what level of digital zoom you have set

If you have Picture in Picture (PIP) enabled,

- 1x – The main screen will be 1x as normal, PIP will NOT appear
- 2x, 4x etc – The main screen will be 1x and the PIP portion will be further zoomed to either 2 or 4x etc

PIP will be centred around the centre of your main screen reticle:

Menu

Short Press of the Button will open the Menu

LONG Press of the button will activate the video recording – Another LONG press will stop it.

You will see a red dot and timer in the upper left to confirm its recording

Requires a Micro SD Card

Red Dot Laser (-)

This can be activated by a short press. This will activate a visible Red Laser

This can be used for Showing someone where the target is

NOTE – you cannot see the laser via the scope – a Red Star will be displayed in the upper left of the screen when it is on

NOTE – NOT AVAILABLE IN ALL MODELS

A LONG Press will change the Thermal Colour modes – White Hot, Black Hot etc

Menu

Navigation:

- + = Up
- - = Down
- OK = Enter or Save

The next page is accessed by continuing up or down past the first or last item

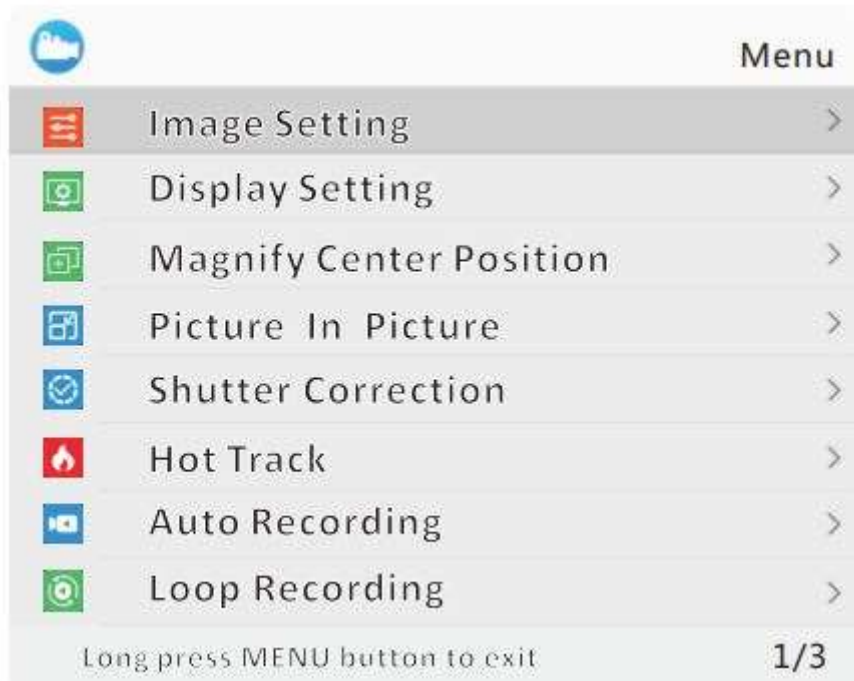


Image Setting

You can adjust the following Settings

- Contrast – Default 90
- Brightness – Default – 65 (This is NOT the screen Brightness)
- Sharpness – Default 2
- Mode – 0 (White Hot)

Depending on your environment this can make quite a difference to what you see.

We will have a video showing the effects soon

Modes

- 0 – White Hot
- 1 – Black Hot
- 2 – Red Hot
- 3 – IN Hot Colour
- 4 – SKY

We recommend only using WHITE HOT or BLACK HOT – anything else is more of you to interpret when using the scope and you may miss things – Simple is good here

The imaging modes can also be selected by a LONG PRESS of the - Button

In the lower left of the Screen you will also see the text change

Display Setting

You can adjust the following Settings

- Contrast – Default is 3
- Brightness – Default is 3
- Colour – Default is 3

These affect the Screen

Magnify Centre Position

Allows you to change where the camera will zoom around

This can be useful if you use PIP and want to adjust it to another point

Picture in Picture (PIP)

This allows you to activate or turn off the PIP feature for the Digital Zoom.

On – When you zoom the Main Screen will remain as 1x giving you the Field of View and a window in the top of the screen will open and that will zoom 2,4,6,8x etc, when you return to 1x it will disappear

Off – the Whole screen will zoom

Shutter Correction

This performs a manual calibration – you will hear the click etc

Hot Track

This is a feature that shows you the hottest object in the scene you are looking at.

However this may not actually be what you are looking for and we recommend that you don't use it unless you practice with it and are happy in your environment with the results.

Auto Recording

Turning this ON, will set the TA to automatically record anytime it turned on

NOTE – we RECOMMEND that you leave this set to OFF to increase battery life

Loop Recording

This sets how long the TA will record for

OFF = It will continue to record

3,5,10 mins mean it will record for that long and record OVER the video

NOTE – we RECOMMEND that you leave this set to OFF



Date Stamp

This will time and date stamp a recording; Leave off to NOT have this show on the recording

This only appears on a recording

Record Audio

Sets if the TA will record audio into the video recording

NOTE – the microphone is internal, so it will not provide great audio

Beep Sound

Disables or enables the beep when you press a key while recording (this is the only time the sound appears)

Wifi

Turns the Wifi on or off

NOTE – we RECOMMEND that you leave this set to OFF

NOTE – the Menu Button will NOT work when the wifi is turned on

To activate the Wifi

- Activate the WIFI on the PARD
- Search with your device for something called PARD
- Connect to it – the password is 12345678
- Open a suitable App – We recommend DashCam Player; however a number will work

Use the app to find the camera and it will be streaming – there is a slight lag however due to the WiFi

Wifi also will drain the battery much quicker (Always turn it off when not in use)

NOTE – WE DON'T PROVIDE ANY SUPPORT FOR THE APPS. Each phone is different and there can be a number of reasons for you having issues with an app. Dashcam player and iPhone have been tested

Watch this video - [Setup and use Wifi](#)

Language

The software has several languages available

Date and Time

Used for time stamping the video

Format

Formats the Micro SD card – this will erase any data on the card

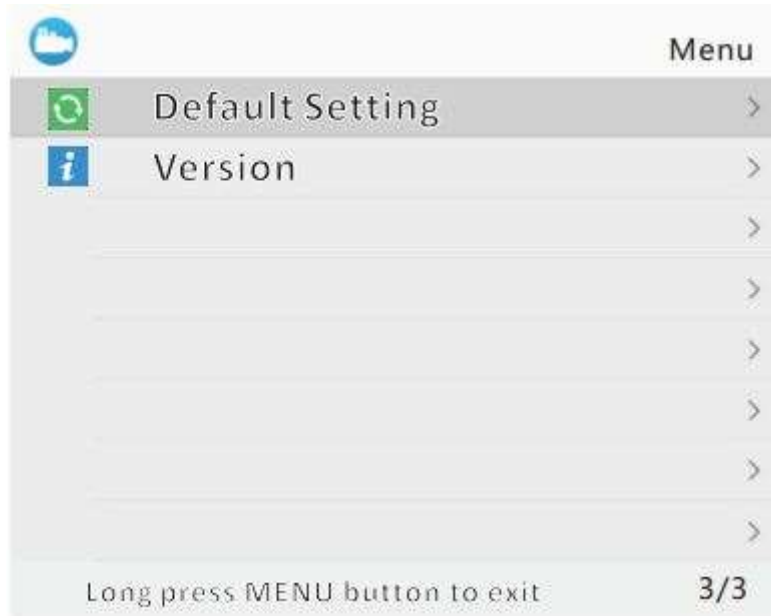
Note - You need to format any cards BEFORE you can record

Blind Pixel Compensation

From time to time you may see a bright white (On White hot) pixel, this is a dead pixel – a number may occur over the lifetime of the scope – this is NOT considered a fault unless a significant number occur (Your scope has 110,592 to 307,200 of them in total)

You can simply mask the pixels off, so they are no longer visible

ENSURE THAT YOU PUT THE LENS CAP ON FIRST



Default Setting

Resets everything back to factory default

Version

Displays the Firmware Version Number