

PARD 008 S / 008 S LRF

Product Manual



February 2022

Applies to New Zealand Market

Important

- This manual applies to all models of the 008 S Series, the LRF Model contain extra features which aren't useable in the standard version – i.e. Ballistics
- 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 towards other people, pets, and reflective objects
- Keep the IR light away from Flammable objects, otherwise it may cause a fire
- Turn off the IR light or use sleep mode when you are not actively using the device
- 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 (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.co.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 pard.co.nz website

Some variations may exist due to variations in the firmware

This manual is for New Zealand Only.

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

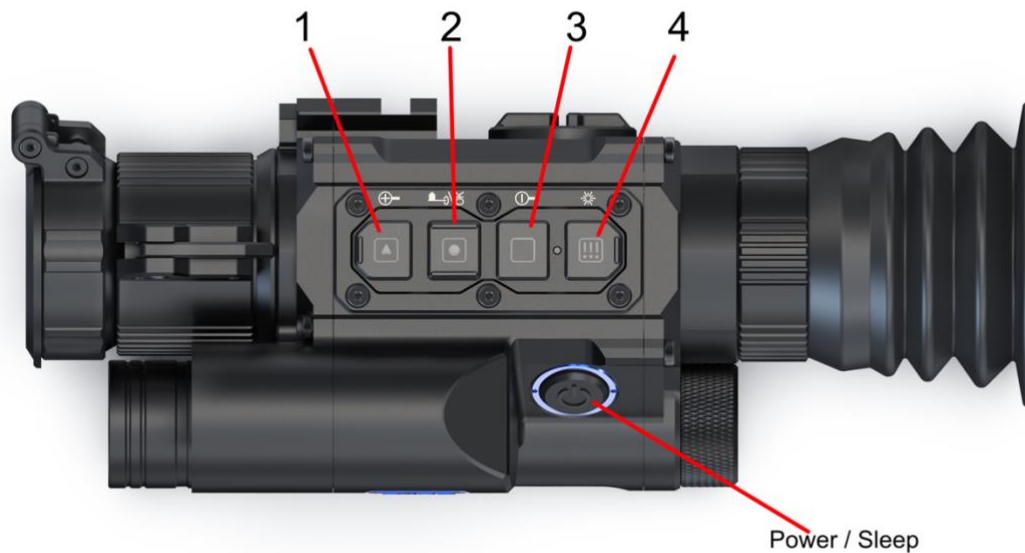
In New Zealand this device is warranted against defects in materials and workmanship for a period of two years from the date of purchase

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

Controls Overview



NOTE LRF Version Shown

Main Controls

Power / Sleep

Long Press to Turn On or Off

Short Press to Put into sleep mode or to wake up

1 – PLAY / Magnifying Glass +

Single Tap Controls the Zoom Control

Picture In Picture PIP will also change how this works

LONG Press will Access the Videos (+/- will up and down, OK will Play and Long Press to Exit)

Its also the + Button for the menus and adjustments

2 – RECORD / OK

Single Tap to turn the Rangefinder on or off (LRF Models only)

LONG Press will start or stop the video recording (When activate it is displayed on the screen)

Is the OK / Enter button

3 – SQUARE / Magnifying Glass -

When in Night Mode – Single Tap to Cycle through the 3 power levels or to turn it off

LONG Press to change the scope from Day to Night Mode

Its also the – Button for the menus and adjustments

4 – Menu / Laser

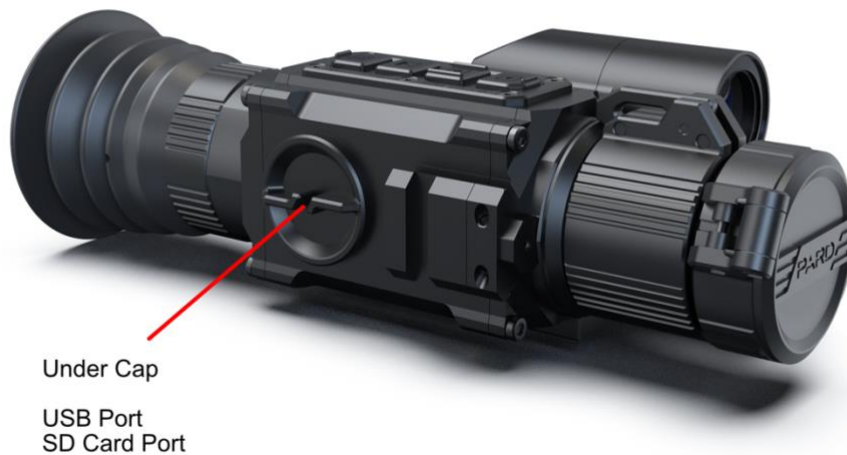
SHORT Press - Menus

LONG Press will Turn on/off the Red Dot Laser Pointer

If the Short Cut PIP is activated PIP will appear

The Red Dot Laser will be disabled





Unboxing

Each 008 S comes with

- Standard Mount for Picatinny Rail
- Allen Keys
- USB Data Cable – Used to download the Micro SD Card
 - Normally you would just remove the card to download your video
- 1 x PARD 18650 Battery
- Shims

Not Included

- Battery Charger – we recommend that you use a quality battery charger
- MicroSD Card, Max 128gb, However we recommend a 64gb from a quality brand
 - This should be formatted in the 008 before use

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

SD Card Installation

If you wish to record video, insert a Micro SD card into the slot that is under the circular cap.

Once you have installed the card; you need to FORMAT it via the menu

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 Mount – 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
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

Mount Notes:

The mount is NOT designed as a Return to Zero / Quick Detach Mount

However if you are careful it is quite consistent – however this is NOT guaranteed and you should do some testing before shooting at animals

The best way to be consistent with the mount is to:

1. Place it in the same place on the rail each time – mark it if needed
2. Mount the scope on the rail – push it forwards
3. Push the Mount tightly from the nut side on to the rail – this keeps the mount square against the rail
4. Tighten each nut evenly to 15 inch pounds (in lbs)
5. Ensure you select the right profile Letter in the reticle setup

Checkout our video on the Support – How To Videos - for how to tension the nut if you do not have a torque wrench

Alternatively, we have a full Return to Zero/Quick Detach Mount available – See the back of this manual

How zero 008 S

We highly recommend that you watch the video we've prepared – its under the Support Menu and How To Videos on our website.

*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*

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
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 + and – buttons to move the Reticle **TO** the bullet hole horizontally (X); once happy
9. Press the OK (FLAG)
10. Use the + and – buttons to move the Reticle **TO** the bullet hole Vertically (Y); once happy
11. Press the OK (FLAG)
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 (FLAG) 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

What to do if your reticle is right at the bottom of the screen

This is often the case if you are zeroing at very close range say 20-25m – if this is the range you are going to zero for, then you can make some adjustments – however if this is just a starting point; move on to the 50/100m before you consider doing anything.

The scope is setup to be more level at a distance and the angle at closer ranges is sometimes quite steep. Also ALL digital/thermals will show up a range of issues with rifles, receivers, rails, mounts etc that you often won't see with a 'day scope'. Its quite normal for it to be around the middle, but not perfect – you can make fine adjustments with shims if you want however

If your reticle is too far to the bottom; FIRSTLY check how you have mounted it, it may not be on correctly; if it is what you need to do is raise the back of the scope; so the camera is looking further downwards (watch the video for exactly what we mean) – so place 1 or 2 of the shims that are included in the box on the last screw or towards the back and try again until happy.

The 2 Shims in the box are roughly 3 MOA as a guide

Watch our zeroing video so see a screen view of what you need to do – it explains it nicely

This also occurs in day scopes, we have a video explaining what happens as well

If you find the reticle is too far to the side, again check that you haven't misaligned the mount; often just release it and do it again – a common reason is tightening 1 nut and then the other, this can twist the mount on your rifle left and right.

If that isn't the case, then you can:

Place a shim on the Non Moving Left Hand Side – Same as the Nut

- Place it at the back nut to move it Left
- Place it at the front nut to move it right

Shims can be made of anything that won't compress



LRF Rangefinder Only

You should check that the target box for the laser rangefinder is aimed where the laser is pointing.

If we have updated the software (this resets it) or you are planning to shoot at quite close range, you may need to adjust the target box – the instructions are further in this manual

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 LED light – DO NOT remove the battery while it is in sleep mode

Lens Focus

The front lens can be focused by rotating the focus ring, it is quite a short throw lens and is easy to adjust from either side

IR Torch

The 008 S is equipped with a very powerful IR Torch.

Focus

The lens has a simple pull out for spot and push in for flood setting

Power Levels

By short pressing the IR Button you can cycle through the power levels, 1,2 and 3 and Off

Level 1 is the least powerful, level 3 is the most. Level 1 is for closer range, Level 2/3 are for further

NOTE – the IR Torch will only work in Night Mode

Day or Night Mode

You can change the model from Colour (Day) to Night (Black/White) by a LONG PRESS of the IR BUTTON – you will hear a click

Day mode will work quite well at dusk and dawn; as it gets darker, change it to Night mode for more definition. They work very well at dusk and dawn even without any IR being used

NOTE – You can change the default start up setting in the menu

Digital Zoom

A tap of the Magnifying glass button will activate the digital zoom – on the screen in the lower left you will see the 13x etc telling you what level of digital zoom you have set – the 008 only has 1 step, either 6.5x Optical (nothing displayed) or 13x which is the single digital zoom level

If you have Picture in Picture (PIP) enabled,

- 1x – The main screen will be 6.5x as normal, PIP will be Zoomed to 13x
- 13x – The main screen will be 13x and the PIP portion will be further zoomed to 20x

PIP will be centred around your reticle:

PIP can be setup 2 ways in the menu

1. Always on
2. Activated by tapping the laser button (Preferred) this however disables the laser

Red Dot Laser

This can be activated by a LONG PRESS of the Menu Button marked with a *

This can be used for:

- Showing someone where the target is
- A quick offhand shot on a close target

You can adjust the aim of the dot via 2 grub screws

NOTE – This can be disabled by some other features of the scope

How To Record a Video

Once you have a card inside the 008; a LONG press of the Centre OK button will start the recording – you will see a red flashing light and a timer on the screen

Press the button again to stop

WIFI Link to App

To activate the Wifi

- Activate Wifi in the Menu. The Wifi Symbol on the screen will go GREEN
- 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 – it is slightly laggy however due to the Wi-Fi

Wifi also will drain the battery much quicker

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

Rangefinder (LRF Models only)

A single tap of the Flag Button will activate the rangefinder – it is continuously scanning when active.

An aiming point will be displayed on the screen, this is NOT the same as your reticle centre.

Note – the rangefinder only works on 1x zoom; it maybe off the screen in the digital zoom mode

If you need to move the LRF aiming box:

1. Find a suitable range – 25-50m
2. During Night or Low Light Time
3. Select Night Mode
4. Turn on the LRF
 - a. You should now see the flashing of the laser
5. Open the Main Menu
6. LONG Press of the + Button
7. Use the + and – with OK to move between them
8. Once happy – Short Press of the MENU Button to save

The LRF measures the distance to the first reflection that it receives which is strong enough to allow it to calculate the range. This can cause ranging errors when the intended target has something that produces a stronger reflection.

Menu

To access the Menu – SHORT Press of the MENU (*) button

To Exit the Menu, SHORT press of the Menu button

Controls

- + = Up
- - = Down
- OK = Enter or Save
- Menu – Exit and get of the menu

Ballistics and Range Unit Selection

NOTE – The Ballistics Program and Range Unit Selection is ONLY for the LRF Models and it will NOT work with the standard version

PIP – Picture in Picture

You have 4 options in this menu

1. PIP Off
2. PIP On (It will always display)
3. Shortcut Key Off
4. Shortcut Key On – Use the Laser Button to Activate it without using the menu
 - a. This is the preferred option
 - b. It does disable the laser

Reticle Adjustment

Access to the Zeroing Menu

See above in the manual for details on how to zero your rifle

- To Move between the settings you tap the OK button
- To Alter a Setting you use the + or – Buttons
- LONG Press of OK to save the profile and exit

This menu Displays

1. 6.5 or 13x – the Zoom level you are on
2. Profile Letter – A,B,C,D and E – this is the Profile you are about to edit or have selected
 - a. To change a profile; simply change the Letter to the correct one then LONG Press of OK to save and Exit
 - b. Profiles can be for – Different rifles, Ammo or even zeros
3. X – the position horizontally of the reticle
4. Y – The position vertically of the reticle
5. Style – Changes the type of Reticle
6. Colour – Changes the Colour of the Reticle
7. Save – LONG PRESS of OK to Save and Exit

Always write you figures down in case they are ever lost

Gyroscope

This is for the side bars and compass

Display – Turns them off or on

Calibrate – if you need to calibrate the gyros, select this option while the scope is level and still – it will take 8-10 seconds to complete

NOTE the Compass may not be fully accurate and MUST NOT be used for navigation

Default Magnification

This sets the start-up magnification of the 008 – either 6.5 or 13x

We would recommend you leave it at 6.5x

Colour

This will set the default start up mode for the 008p – either Colour (Day) or Black & White (Night).

As this is a night scope, generally you would set it to Night mode

Brightness of IR

This will set the default start up IR Torch Level

Default is OFF, but you can select off,1,2 or 3

NOTE – we RECOMMEND that you leave this set to OFF

Brightness

This is the brightness level of the screen: 0,1,2,3,4,5 or 6

0 is the duller and 6 being the brightest

Auto Recording

Turning this ON, will set the 008 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 008 will loop record for

OFF = OFF

3,5,10 mins means it will record for that long before recording over the video again

NOTE – we RECOMMEND that you leave this set to OFF

Self Activated Recording

The 008 will keep recording in the background, when it detects a shot it will save 20 seconds over video into a separate video file.

NOTE: This will use more battery power and depending on the level of recoil it may not trigger

We recommend that if you want to record anything, have record on and edit the video afterwards, that way you will record everything and not miss out on something you wanted.

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

This needs to be ON for the reticle to show

Record Audio

Sets if the 008 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

See earlier in the manual for how to use

Exposure

8 Options on the cameras exposures – each will give different results depending on the amount of light available

Try it to see if something suits you better.

Default is 0

Language

The software has several languages available

Date and Time

Used for time stamping the video; you can also set the date format

Format

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

- Select Memory Card
- DON'T FORMAT the internal memory

Default Setting

Resets everything back to factory default

Version

Displays the Firmware Version Number

[Optional Quick Detach and Return to Zero Mount](#)

We have an optional Quick Detach – Return to Zero Mount available



The ARMS mounting system is very consistent – enabling you to use the profiles to change the scope from rifle to rifle without working about losing a zero

Or remove the PARD and replace it with your normal day scope – we also have Ring versions of these mounts.

They are adjustable for tension to match your rail if the specs are not exact

The screws are 5/8 and require an Allen Key (Not Included)

NOTE – For 2 or more rifles

You need decent rails to do this and if you want to move the scope between rifles you need the same spec rails on both rifles – If your rails aren't the same, you will find that 1 will be correct and the other will be too loose or too tight so in this case it will not work

Contact us as we have a supplier of quality rails for a lot of rifles

This is what ARMS say about their products

The New MK-II Lever® features a built-in precision adjustment wheel allowing finger tip (no tool) selection to desired tension to fit variations in 1913 Mil-Std Dimensions. The mounts adjustment wheel comes pre-gauged and locked to the center of the Mil-Std dovetail specs. The hash marks to the left or right of the adjustment wheels white marked indicator line, represent .002 Quick Detach Throw Lever® Mil-Std 1913 Rail MK-II Lever® mounting attachment.

WHY THE REPEAT ZERO GUARANTEE from ARMS

The spring loaded cammed lever pulls in a downward force when the lever is pushed inward which does not disturb the windage (azimuth) normally encountered with thumbnuts, bolts, wrenches, and/or ratchet knobs, which only secure the cross force direction and varying non-repeat tension. Because the Throw Levers pull down instead of across, it means positive controlled attachment not found on any other system. No threads to strip, no cross threading, ratchet wear, over-tightening, crushed or dented rails when using the A.R.M.S.® spring loaded attachment. A.R.M.S.® Throw Levers® will also not freeze or absorb sand and mud, like threaded and ratchet designs.

The unique force of direction and constant repeat tensions guarantee on and off repeatability. The rings snap into the same locked zero aiming position securely each and every time, and once the laser/optic has been zeroed to a quality standard mil-spec dimensioned dovetail rail which is secured to the same weapon.

Easy on and off, no tools required, once the ring caps are secured: The spring loaded feature also acts like a shock absorber which provides a shock reducing barrier to sensitive optical/laser devices for extended service life and cost savings.

All A.R.M.S.® Throw Lever® mounts are designed to fit certified Mil-Std. 1913 Rails, via pre-measured spring loaded tension. If one of our Throw Lever® mounts is too loose or too tight, the chances are you have an after market rail that is not dimensioned to the Mil-Std. dimensions.

This is why we have adjustable levers, so you can adjust the tension to suit you rail

A.R.M.S MKII LEVER ADJUSTMENT INSTRUCTIONS



STEP ONE: OPEN LEVER TO UNLOCK FROM RAIL.



STEP TWO: UNSCREW ADJUSTMENT SCREW UNTIL IT STOPS.



STEP THREE: TURN ADJUSTMENT WHEEL CLOCKWISE TO TIGHTEN. COUNTER CLOCKWISE TO LOOSEN. EACH CLICK IS .002" OF ADJUSTMENT. BE CAUTIOUS NOT TO OVERTIGHTEN.



STEP FOUR: TIGHTEN ADJUSTMENT SCREW ALL THE WAY TO LOCK ADJUSTMENT WHEEL IN PLACE.



STEP FIVE: CLOSE LEVER TO LOCK. EXCESSIVE FORCE SHOULD NOT BE NEEDED. IF YOU EXPERIENCE THIS, REPEAT STEPS 3-4.

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