



MiniView



Technical Operating Instructions

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1. General Information

The MiniView scope is a touchscreen display for indication of shots and results which were calculated with the RedDot laser target. Data transfer takes place via a Bluetooth interface. We ask that you read these operating instructions prior to first use. Your DISAG team wishes you a lot of fun and good luck.

2. Safety Information

Immediately read through the instruction manual before you start using the device.

Defects or customer service requests which result from not following the instructions are not covered by the warranty!

The device is not a toy, but rather a training device for competitive shooting.

When being used by children or adolescents, a supervising person must ensure operation in accordance with regulations and compliance with the safety information.

Due Care of the Operator

The operator must ensure that

- the device is only used in accordance with regulations
- only use the device in its proper, fully functioning condition
- always make the instruction manual available in a readable condition at the location of the device
- only people operate the device who have read the instruction manual and can use accordingly.

Before each use, the device is to be inspected for visible defects and ensure that it will only be operated in its proper condition.

The operator is independently responsible for operation according to regulations and for compliance with safety guidelines.

3. General Operation

Prevent warm/cold changes of the environmental temperature in which the device will be operated (fogging of the display). Protect the device from direct sunlight. Generally, the device is to be protected from moisture. This also applies for the transporting, storage and operation of the device. During use other than as intended or improper operation, no liability for possible defects will be accepted! Pay attention that the storage location is dry and dust-free.

4. Technical Data

MiniView for RedDot laser target

Dimensions (L x W x H) 90mm x 11.80mm x 74.50mm

Weight 110 g

Battery 1100mAh 3.7V 4.1WH

Electrical specification 5V DC

Current Consumption maximum 500mA (5V)

5. Scope of delivery

Display element

USB cable (A to mini)

6. Initial Operation

Inspect the delivery for completeness prior to initial operation.

The environmental temperature and the humidity have to be moderated. Temperatures below -20°C and above +60°C should be prevented during operation of the display element. Additional temperature ranges (charging of device and storage) are found under battery charging - temperature spectrums.

Set up the display element for the RedDot laser target in sight of the shooting location. The device can be set up with an integrated stand. For this, pop up the two required standing feet on the back side.

The display element should be completely charged prior to initial operation; refer also to battery charging. Turn on the display element with the white switch on the back side of the device.

For the additional applications, a Bluetooth connection is equipped with the RedDot laser target.

7. Battery Charging

Battery Charging via USC Connection

Connect mini USB plug with the display's mini USB connection. Finally, establish contact with a USB connection with the USB plug type A. The display element can be charged via an optional USB connection, e.g. computer.

Charging of Display Element to the Power Receptacle

Connect mini USB plug with the mini USB connection of the display. Finally, establish a connection to the wall power supply (received optionally) with the USB plug type A. Connect wall power supply to the power receptacle.

State of Charging Status:

If applicable, disconnect the display element from an external electrical power supply. Use the white button on the back side in order to switch on the device. In the right hand corner, a color display bar is visible. This has a different color according to each battery charging status:

Green: Battery sufficiently charged

Red: Battery should be charged in the near future

Yellow: The MiniView display device is connected with an external power supply. The battery should be completely charged prior to initial operation.

Environmental Protection and Safety:



The battery contains pollutants and must therefore be disposed of in the specific refuse.

Temperature spectrums:

Battery Charging: 0 to +45°C

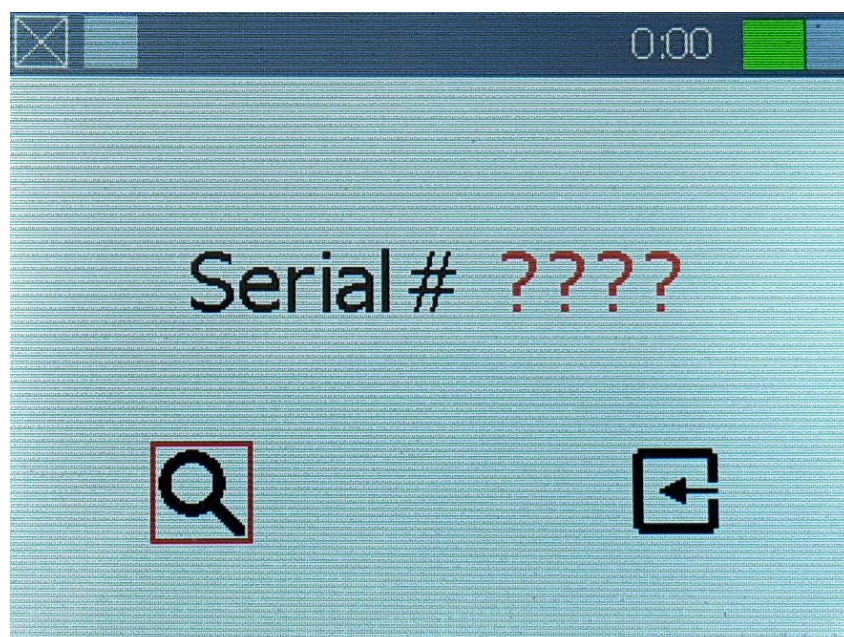
Battery Discharging: -20 to +60°C

Battery Storage: 1 year at -20 to +20°C

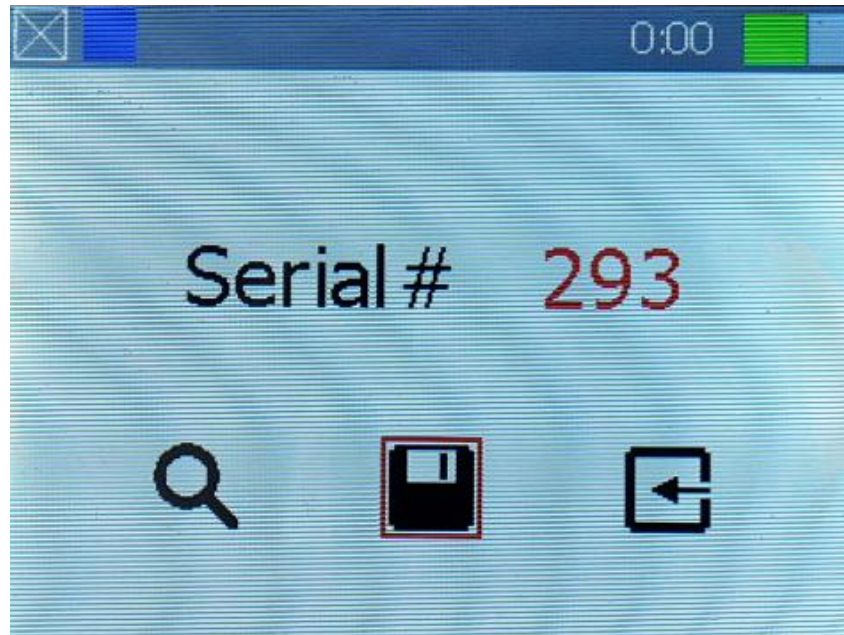
3 months at +20 to +45°C

8. First Time Installation of Bluetooth Connection

The display element is specially fitted for the RedDot laser target. In order to establish a Bluetooth connection, both devices must be switched on, or rather, must be connected to a power supply. Switching-on of the display element takes place using the white switch on the back side. For the connection setup, the RedDot laser target must be searched next. In doing so, the “magnifying glass” symbol is offered in the start screen of the display unit.



If the “magnifying glass” field is activated, the connection display blinks in the upper left of the status bar as a blue square. After the search operation is completed, the square is lit up blue continuously. On the screen, the last 3 or 4 numerals of the serial number are now displayed in red behind the designation “Serial” of the located RedDot target.



If the last four numerals of the serial number on the back side of the RedDot target match the numerals on the display and operating unit, then press the “save” symbol. After a few seconds, the color of the numerals changes from red to green and the menu automatically changes in the discipline selection. The MiniView is now permanently connected with the corresponding target. In the upper left menu, the connection display now changes to green and the serial number of the RedDot targets appears next to it.

If several RedDot targets are in your environment, please compare the numeral in the display with the serial number of the RedDot on the back side. If the numerals do not match, press on the search field again and, if applicable, disconnect the additional RedDot target from the network.

After switching on each time, the MiniView automatically connects with the associated RedDot target. A new search and linking process is not necessary.

If you would like to link a new target with the MiniView display unit, then please note point 10, “MiniView connected with another RedDot laser target.”

9. Function Instructions

The battery and display elements should be completely charged for the first use. Additional information on this is found under Battery Charging. The device should already be connected with a RedDot laser target. If this is not the case, please read the chapter, "First Time Installation of Bluetooth Connection."

Turn on the device using the white switch on the back side. The selection rifle or pistol appears on the screen. Activate the desired selection. The display element is now ready. The goal achieved is now displayed on the MiniView.

Target general:

The target presentation displays the position of the shots emitted. In order to prevent confusion on the target, these are erased after the 10th shot. The numerical display "total" continues running until the change of shooters (reset).

The current shots are presented in one of three different colors on the target presentation according to each category:

Green: up to 8.9

Yellow: 9 to 9.9

Red: 10 and above

The shots on the target presentation will be presented in gray after the resulting shot.

Target presentation pistol:

In order to be able to better recognize the shots, the target for pistols is presented as enlarged. In doing so, the target center is only visible until the 6th ring. With each shot outside of the 6th ring, the presentation of the target

jumps back to the entire view. The position of the shot can therefore be recognized. This position remains until the next series is received (after the 10th shot).

To change to the enlarged target presentation, simply press in the target center. The target center will be presented as enlarged again. The poor shot is therefore no longer visible.

Timer:

A timer runs in the upper right status bar. This display shows how much time one shooter required for his round. The time can be likewise used in order to simulate timely parameters per round and shooter.

Shot counter (#):

In the display field below you will find one field which is designated with a number symbol (#). This field serves as a shot counter and displays how many shots were already emitted in one round (e.g.: # 2 = 2 shots).

Numerical Display of Up-to-Date Shots:

The up-to-date shots are easily readable, in thick font and color recognition, placed under the shot counter. These are displayed up to one position after the decimal. However, the values are always rounded off for the total (full ring).

e.g.:

10.5 = 10

9.8 = 9

Series Display Field:

One series is 10 consecutive emitted shots. These are added in the series field. In order to prevent confusion of the target, it starts after 10th shot of a new series.

Total Display Field:

The total field displays the total ring value of a shooter per round. In this display field, all emitted shots of one shooter are added in one round.

**Switching Off the MiniView :**

In order to switch off the MiniView, operate the symbol intended for this below the “total” display on the screen. The device automatically interrupts the connection to the RedDot laser target and switches off afterwards.


Next Shooter:

The previous shooter ended his round and it should reset the display element to the beginning. For this, proceed as specified under “Switching Off the MiniView.”

Change Discipline:

If another discipline is selected, then switch the MiniView completely off. Refer to, “Switching Off the MiniView.”

10. MiniView connected with another RedDot laser target

Switch the device on. You are now in the MiniView start screen. Press the  symbol for settings in the lower left of the display. Now proceed as specified under Installing Bluetooth Interface.

11. Cleaning

When dirty, the screen is to be cleaned with a dry, soft towel. Please do not ever use alcohol or other cleaning liquids. Opening of the housing is not necessary!

Attention! Work within the device's housing can only be completed by the manufacturer's specialists. Removal of the housing leads to forfeiture of any type of guarantee and warranty claim.

12. Maintenance and Repairs

Operators may only repair such disruptions themselves which clearly trace back to an operator error.

Maintenance and repair work can only be completed by the manufacturer's specialists. Failure to comply forfeits all guarantees and warranty claims.

13. Warranty

DISAG GmbH & Co KG offers a warranty for the duration of 24 months and is obligated to repair or exchange possible defective parts at no charge during the warranty period when the product is sent to DISAG directly or via an authorized dealer. This warranty is only provided if the operation of the associated product occurs according to the instruction manual. Defects which can be traced back to improper modifications or grossly negligent damage of the product will not be covered by the warranty.

Attention! This applies in particular to defects which could exist through ESD, electrostatic discharge; the electrostatically damaged components rely on the printed circuit board.

14. Exclusion of Warranty

Each warranty requires the normal use of our products in compliance of the maintenance provision as well as the instruction manual including additional

operating and service information. Functional wear and tear of the device parts are excluded from the warranty.

15. Trade Mark

Bluetooth is a registered trade mark of Bluetooth SIG, Inc.

All other trade marks, registered trade marks and product names are the exclusive property of the respective owner.

16. Service

Please use a specialized dealer of DISAG GmbH & Co KG directly for maintenance and repair work.

Repairs at the end of the warranty period are liable to costs.

Manufacturer:



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D-87496 Hopferbach

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17. Subject to Change

We reserve the right to any modification which serves as technical advancement or product improvement.

18. Waste Disposal

The device consists of high-grade and valuable raw materials. If there eventually comes a time when the device should be disposed of, please do not ever throw this in the household waste; rather, deliver to a municipal collection center.