



# ILR-1200-2

INFIRAY LASER RANGEFINDER



## Specification

Model	ILR-1200-2
Type	Infray Laser Rangefinder
Measuring Range, m	5-1200
Accuracy, m	±1 @100
Laser Wavelength, nm	900-908
Interface	Type C (Charge / Discharge)
Battery	One replaceable 18650 battery
Maximum Battery Life	Used as an LRF only: 20h When used as an LRF and a power bank at the same time, it can increase the battery life of MATE by 4h
IP Grade	IP67
Applicable Product	MATE series
Dimensions, mm	88×62×53
Weight, g	240

## Components and Controls



1. Battery compartment cover
2. Laser indicator
3. Rangefinder lens
4. Power button
5. LED indicator
6. Type-C interface
7. Vertical direction regulation knob
8. Horizontal direction regulation knob

## **| Product Description**

ILR-1200-2 is a laser rangefinder (LRF) used with the MATE series.

In addition to that, it can function as a power bank to charge MATE through the Type C cable. The LRF itself can also be charged using the power adapter and data cable of MATE.

## **| Installation with Mate**

The LRF is equipped with a mount which can install the LRF on the picatinny rail on the right side of MATE.



## Linkage with Mate

Linking ILR-1200-2 to MATE for the first time:

- Put ILR-1200-2 and MATE close to each other.
- Power on MATE and briefly press the **Power button (4)** of the ILR-1200-2 **Five times** consecutively to turn on the LRF.
- Wait for 10s and the linkage between ILR-1200-2 and MATE will be automatically connected.
- The distance value appears on the display of MATE, indicating that the linkage is successful.



### Note:


The LRF and MATE shall be linked within 90s after MATE is started. If the linkage is not completed within the specified time, restart MATE and repeat the steps above.

### Non first time connection:

- After successful linkage once, when using the LRF again, just press the **Power button (4)** on the LRF, and it will complete the automatic connection between the LRF and MATE .

## | Usage with Mate

- After successful connection, press and hold the **Up button** on MATE for 6s can turn on/off the laser indicator on the LRF.
- It is automatic and continuous ranging without any operation.
- After using, press and hold the **Power button (4)** of the LRF for 3s to turn off the LRF, during which the **LED indicator (5)** will blink 3 times.



When LRF is linked with Mate, the range notification function ON Mate will be not available.

## **| Laser Calibration**

When the target position pointed by the laser indicator is not consistent with the reticle center, this function can be used to calibrate the cursor position.

- Select a target 100m away, aim the reticle center of the day scope at the target, and fix the position of the day scope.
- Turn on the laser indicator with a long press of the **Up button** of MATE.
- Adjust the vertical direction regulation knob **(7)** (leftward and rightward) and the horizontal direction regulation knob **(8)** (upward and downward) until the targets directed by the laser indicator and reticle center are consistent to complete the laser calibration.
- **It is recommended to perform the calibration at night, because the laser indicator is more obvious in the dark.**

## | Safety Precautions

- If the battery is stored for a long time, it should be partially charged. The battery can neither be fully charged nor fully discharged.
- Do not charge the battery immediately after it is brought from a cold environment to a warm environment. Wait 30-40 minutes for the battery to warm up.
- Do not leave the battery unattended while charging.
- Charge at a temperature of  $0^{\circ}\text{C} \sim +45^{\circ}\text{C}$ , otherwise, the battery life will be significantly reduced.
- Do not leave the battery connected to a charging device for more than 24 hours after it is fully charged.
- Do not expose the battery pack to high temperature or open flames.
- Connections are not recommended for external devices that consume more power than allowed.



- Battery short circuit protection is provided, but any situation that may lead to a short circuit should be avoided.
- Do not disassemble or squeeze the battery.
- When the battery is used below zero, its capacity will decrease, which is normal.
- Do not use the battery at temperatures higher than those shown in the table, or else the battery life may be reduced.
- Please keep the battery out of the reach of children.





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