ILR-1200-2

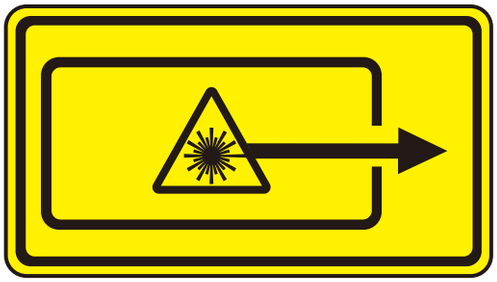
INFIRAY LASER RANGEFINDER

Specification

Model	ILR-1200-2
Type	Infiray Laser Rangefinder
Measuring Range, m	5-1200
Accuracy, m	±1 @100
Laser Wavelength, nm	650, 905
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. Laser rangefinder
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.

Note:

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°C ~ +45°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.
- The working temperature is recommended at - 20°C to + 50°C. Otherwise, the service life will be affected.

Legal and Regulatory Information

Wireless transmitter module frequency range:

WLAN: 2.412-2.472GHz (For EU)

Wireless transmitter module power < 20dBm (only for EU)

Hereby, we declare that the radio equipment type ILR-1200-2 is in compliance with the Directives 2014/53/EU, 2011/65/EU and RER 2017 (SI 2017/1206). The full text of the EU&UK declaration of conformity is available at: www.infirayoutdoor.com.

User information on the disposal of electrical and electronic devices (private households)

2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in

the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info.

Regulatory information USA

FCC ID: 2AYGT-33-02

Labeling requirements

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Information to the user

Any Changes or modifications not expressly approved by the

party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.