

Laser Alignment Tool for Lite

RLS-LAT
REDS CAN Lite
OPTION






Web reference

<https://navi.optex.net/manual/50578>

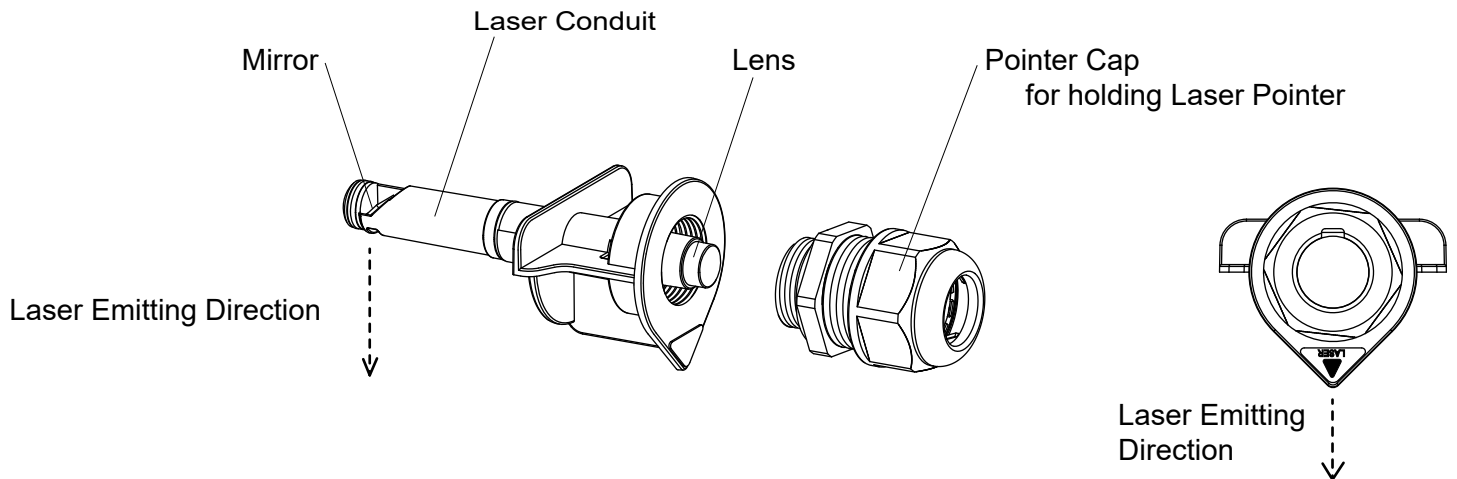
1 Before usage



- Use exclusively with the REDSCAN Lite: RLS-1010L.
- This product is used in combination with a separately purchased laser pointer. Please follow the laser pointer's instruction manual when using.

①		x 1	Laser Conduit	②		x 1	Wrench
③		x 1	Pointer Cap Large	④		x 1	Pointer Cap Small

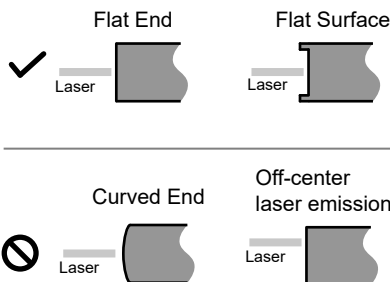
2 Parts Identification



3 Compatible Laser Pointer

Laser Emission End

The center of the laser emitting end is a flat surface: Diameter 12 mm (1/2 inch) or larger.

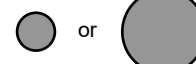


Section

Round Shape
Diameter 12 to 19 mm
(1/2 to 3/4 inch)



Round Shape
Diameter <12 mm or >19 mm
(<1/2 inch or > 3/4 inch)



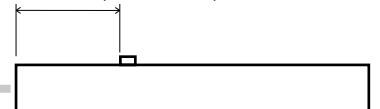
Other Shapes



Switch



>45 mm (1-3/4 inch)



Green laser is brighter.

Please contact OPTEX for Laser pointer recommendation.

■ EU contact information


<https://navi.optex.net/cert/contact/>


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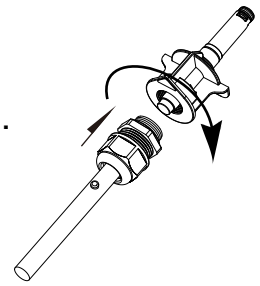
4 Preparation & Adjustment

Note >>

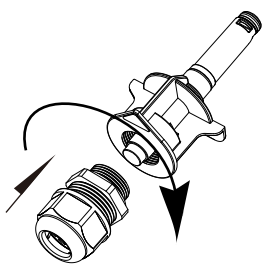
If you already have a laser pointer installed in the Pointer Cap, connect it to the Laser Conduit and proceed to the next section.

Go to 

5 Laser Alignment



1 Choose the cap size.



Pointer Cap Large



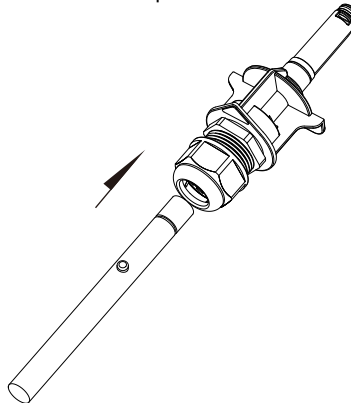
Laser Pointer Diameter
16 to 19 mm (5/8 to 3/4 inch)

Pointer Cap Small

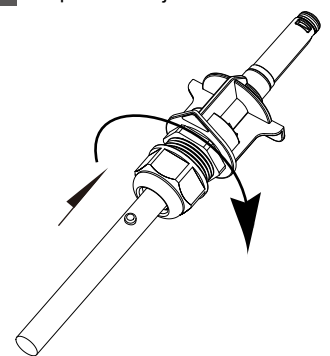


Laser Pointer Diameter
12 to 16mm (1/2 to 5/8 inch)

2 Insert the laser pointer.

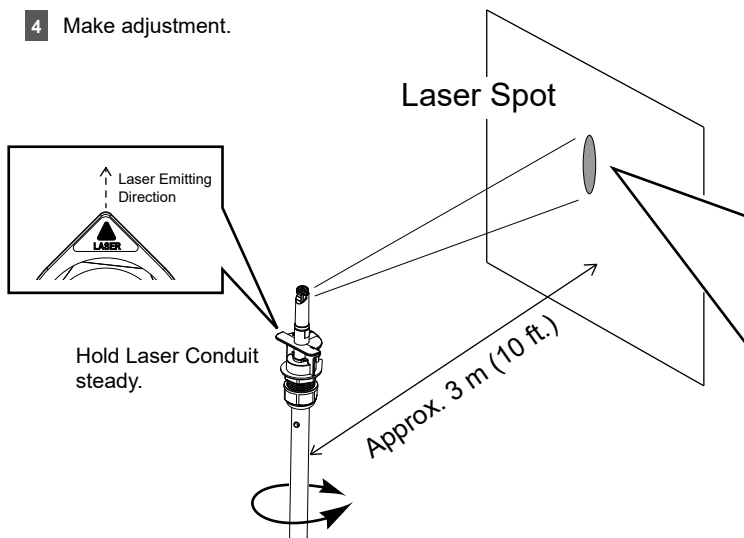


3 Prepare for adjustment.

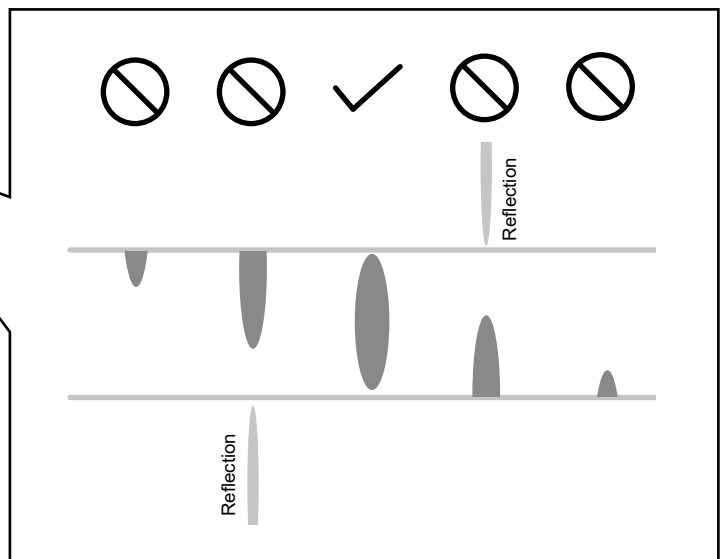


Keep pushing the laser pointer and turn the Pointer Cap until holding firmly.

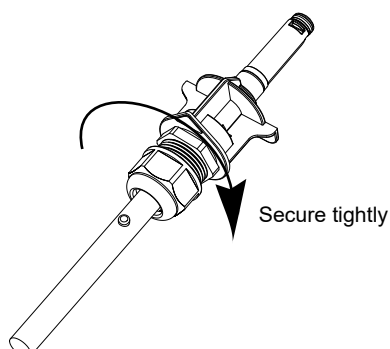
4 Make adjustment.



Turn the laser pointer slowly, and search the right position to make an ideal laser spot. Maximize the laser spot without a reflection.

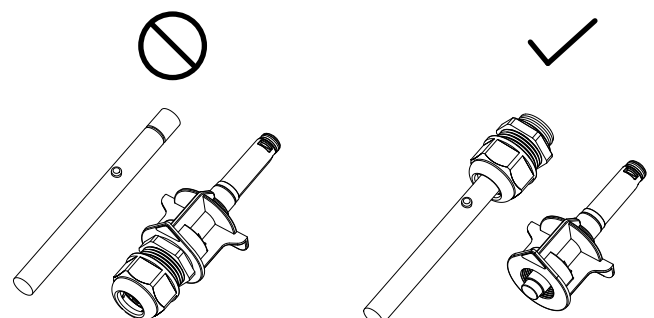


5 Fix the laser pointer.



Note >>

When storing it in the case, leave the Pointer Cap with the Laser Pointer.

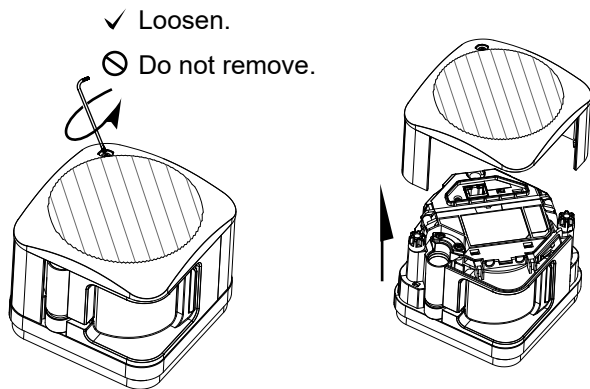


5 Laser Alignment

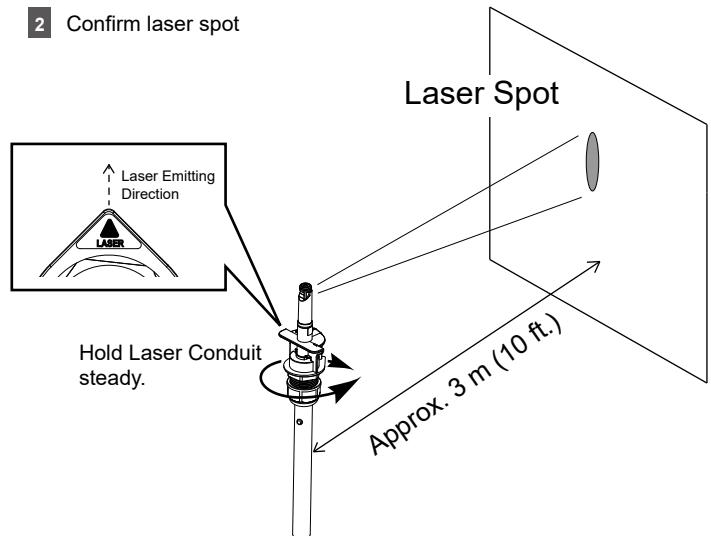
Note >>

The unit DOES NOT NEED to be powered in order to work with the RLS-LAT.

1 Remove cover.



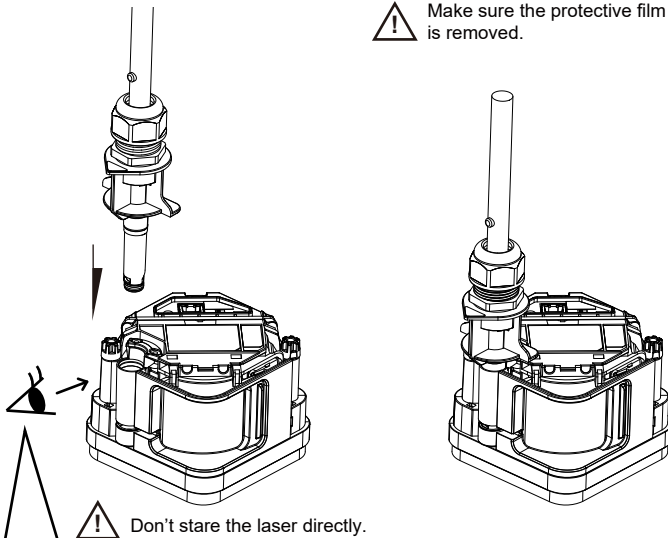
2 Confirm laser spot



Before using RLS-LAT, confirm the laser spot. If it's not an ideal laser spot, adjust it by rotating Pointer Cap slightly.

3 Insert RLS-LAT to main unit.

⚠ Make sure the protective film is removed.



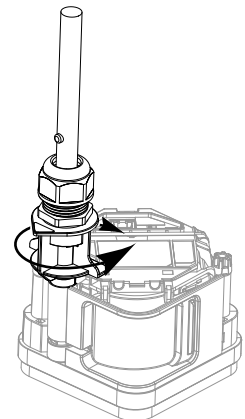
Note >>

Rotate the RLS-LAT holding the Laser Conduit, not the Pointer Cap or the Laser Pointer.

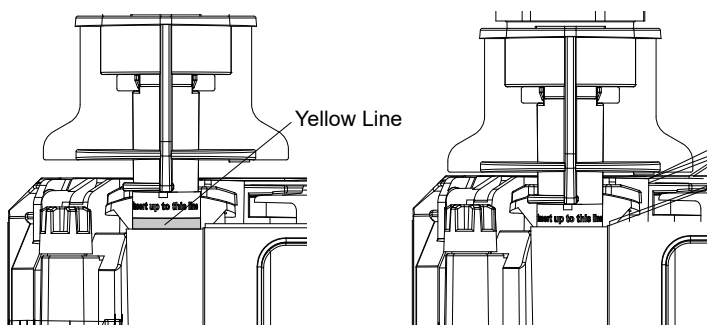
Do not hold. ⊘

Do not hold. ⊘

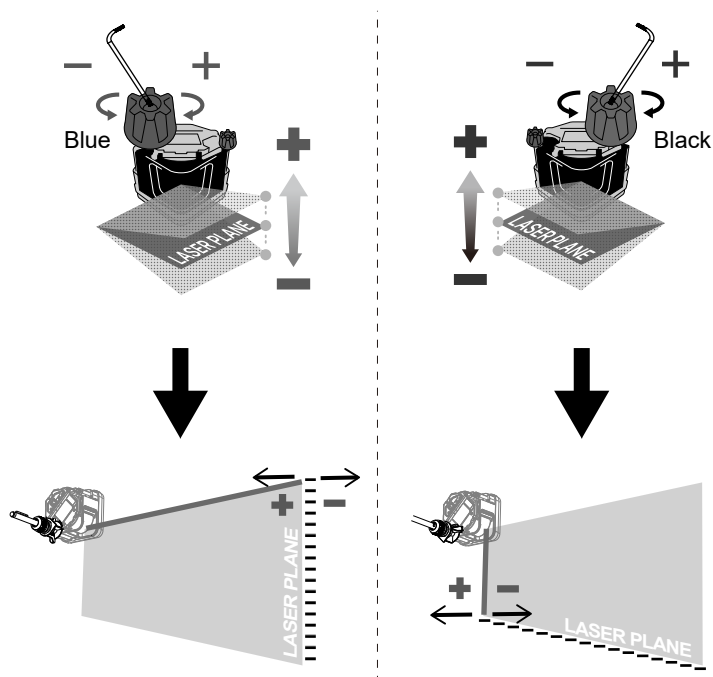
✓



Insert RLS-LAT until yellow line is fully hidden.



4 Make alignment.

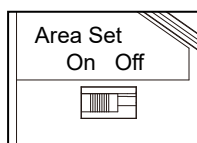


In case of vertical mounting, it's recommended to adjust the position of detection area both vertical and horizontal direction.
To adjust the position of the detection area, turn the corresponding knob while observing the position of the laser spot.
After adjustment, confirm the position of the detection area of each direction by rotating RLS-LAT.

Note >>

The detection range is defined as a 95 degree spread. RLS-LAT does not indicate exactly where the spread angle starts and ends. It serves as a rough guide.
Perform a walk test to confirm.
You can also set and check the shape of the detection area by connecting a PC to the maintenance port.

5 Perform area set.



After the alignment, execute area set manually or restart the device.

To manually perform the area set, turn the slide switch off, wait for more than one second, and then turn it back on.
The yellow LED will blink during the area set sequence.
Don't disturb the detection area until only the green LED is illuminated.

As for subsequent steps please refer to the instruction manual for the RLS-1010L unit.



Go to **RLS-1010L ④ Setting Confirmation**