USER'S MANUAL

LIDAR PRODUCT DESCRIPTION
LD-50G series

Thank you very much for purchasing DADISICK products!

Please be familiar with the user manual and product manual before use.

For your safety, please be sure to follow the precautions in the safety precautions.

Please be sure to follow the instructions, product manual, DADISICK website, and other precautions.

Please keep it properly for easy retrieval.

The specifications and external dimensions recorded in this manual are subject to change or discontinuation due to product improvements without prior notice.

Please confirm the latest information on the DADISICK website.

1. Device connection

(1) Please remove the protective cover on the radar before use;
(2) Please connect the DB9 connector at one end of the matching cable to the radar socket, as shown in Figure 1;
(3) Please connect the network cable interface at the other end of the matching cable to the network port of the PC, and connect the power interface to the external power supply (9~32VDC), as shown in Figure 2;

Figure 1
Connection Diagram

● Black: Power –

● Red: Power +

● Gray: shielded wire

Figure 2
Power cord connection diagram

2. Software settings

(1) Please decompress the compressed package of the DADISICK lidar PC software to the specified directory on the PC;

(2) Please connect the device to the PC according to the correct connection method;

(3) If the device is connected for the first time, please change the IP address of the PC to 192.168.1.77 and the subnet mask to 255.255.255.0, as shown in Figure 3;

(4) Power on the lidar, and open the radar host computer software Sense.exe on the PC;

(5) Observe the host computer page and display the collected point cloud data, as shown in Figure 4;

Figure 3
PC-side IP address configuration
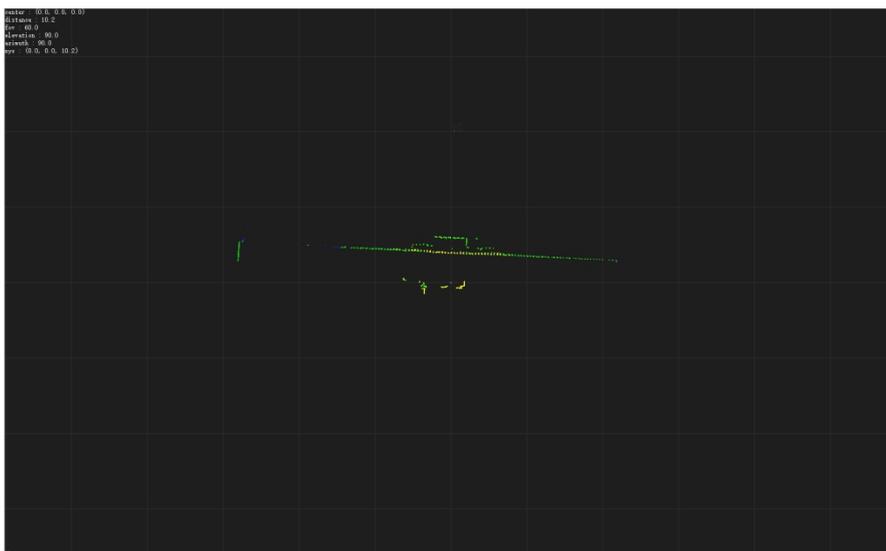
Figure 4
Radar host computer page

3. Daily maintenance

In order to avoid dust or other particulate matter in the long-term operation of the laser radar that will affect the accuracy of the data collected by the radar, please use a dust-free cloth to wipe and maintain the radar optical cover regularly.

4. Common malfunctions

(1) Network failure
    1. Please check whether the computer IP is set according to the instructions in the guide, if not, please set the computer IP to 192.168.1.77;
    2. Please check whether the firewall is turned on on the computer. If it is turned on, please turn off the firewall and try again.
(2) other
    1. If you have other faults or questions, please contact us in time, thank you!
    2. Please refer to the product manual for other specific operation methods.