# HLK-LD2461 Quick Test Document

## 1. Brief introduction

This document mainly introduces how to use the module quickly after getting it for the first time.

## 2. Hardware preparation

| Number | Name | Quantity |
|---|---|---|
| 1 | HLK-LD2461module | 1 |
| 2 | 1.5mm*5 Pin wire 20cm | 1 |
| 3 | TTL serial port | 1 |
| 4 | 5V power supply | 1 |

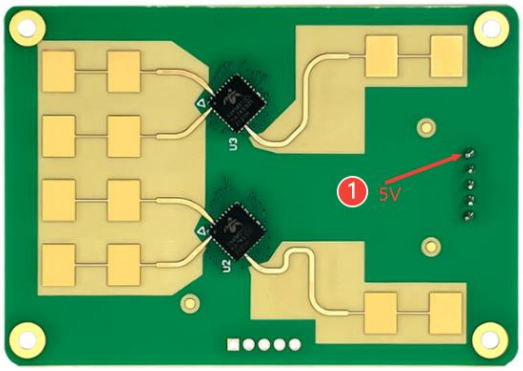
1) HLK-LD2461 radar module
2) Hardware port cable for the matching module(can also fly line test by oneself )
3) TTL serial port, used to receive module probe data
4) Supply power to the module. Some TTL serial ports may not be so powerful and need external power supply

## 3. Software preparation

HLK-LD2461_TOOL, the upper computer tool can visualize the probe data and set other parameters.

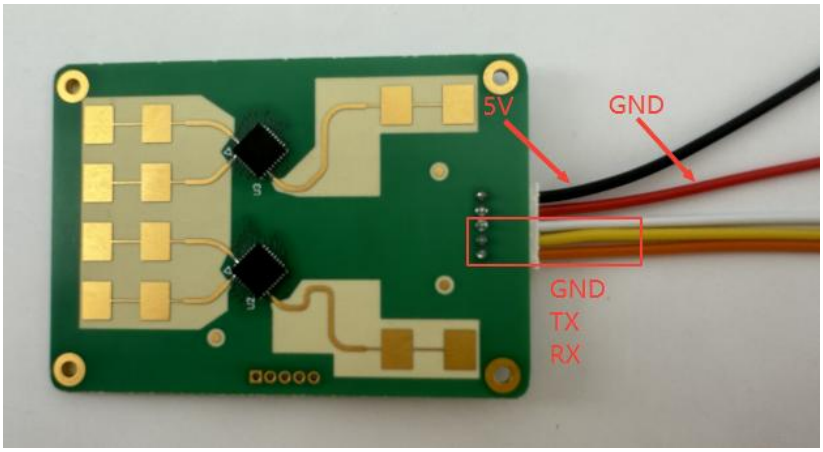
## 4. Pin connection

The module pins are defined as follows:

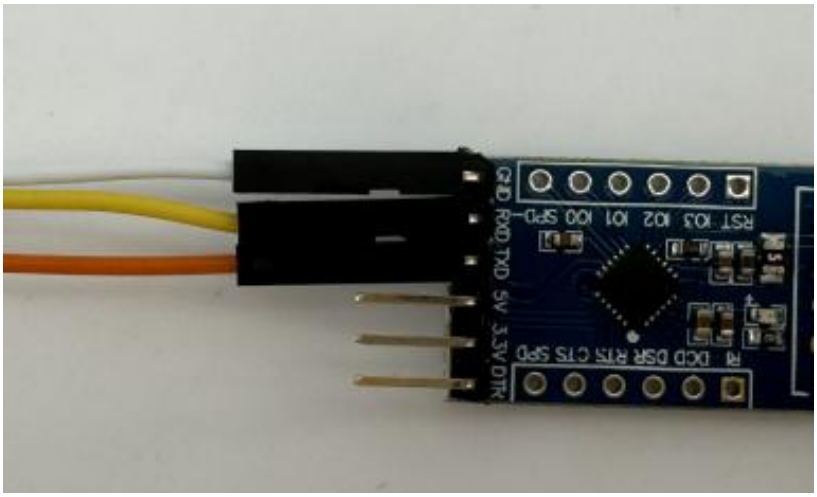



| Pin number | Pin definition |
|---|---|
| 1 | 5V+ |
| 2 | GND |
| 3 | GND |
| 4 | TX(serial port write) |
| 5 | RX(serial port read) |

Module part and wire connection, please do not judge the pin definition by the color of the wire, the pin number shall prevail.




The TTL serial port part is connected:

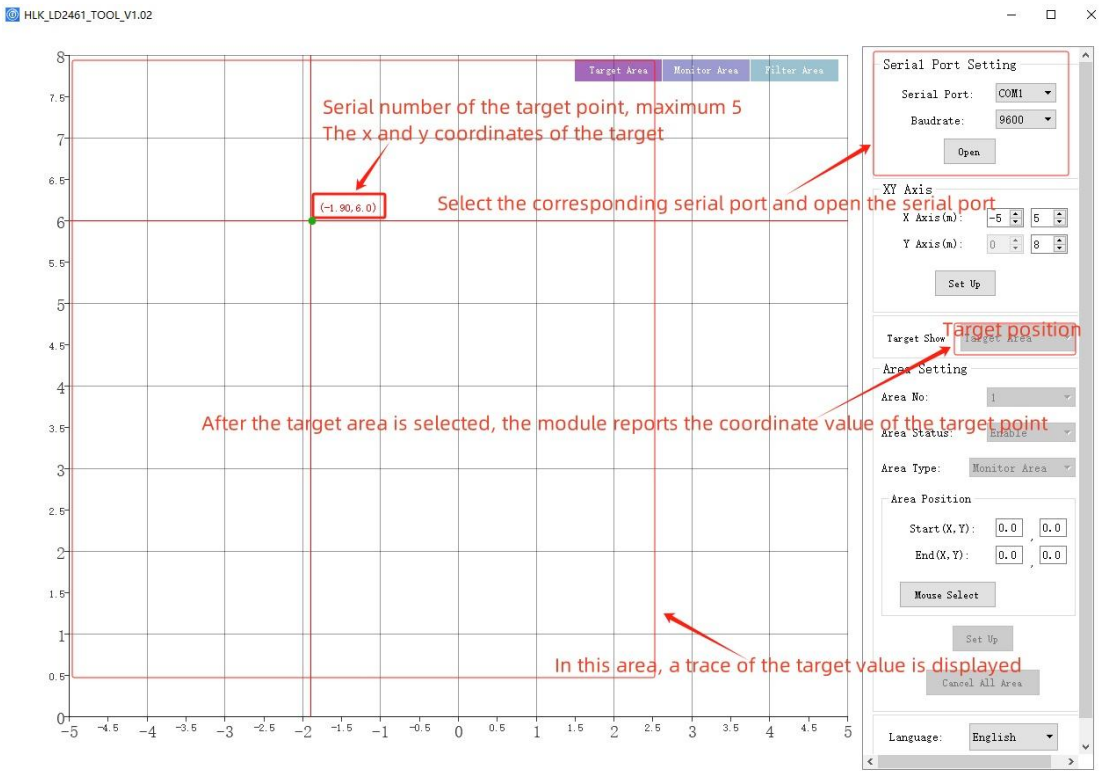



## 5. View probe data

There are two types of detection data output by radar:

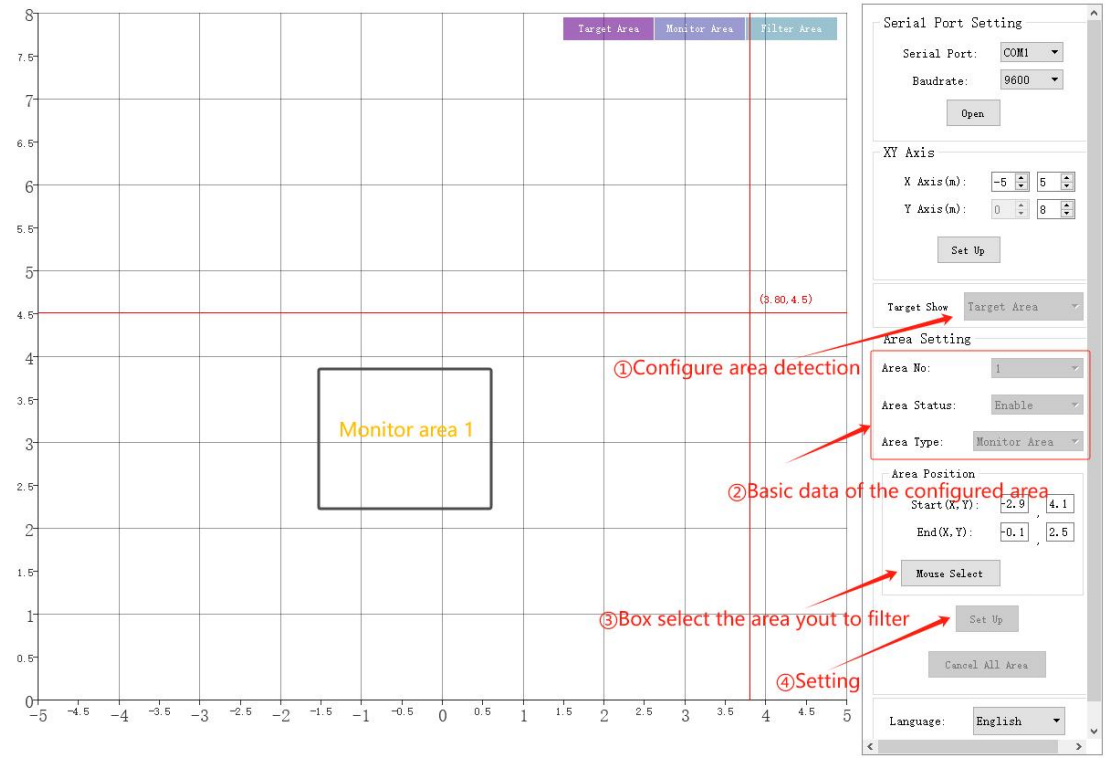
（1）Dot trace information reporting

Locate the corresponding serial port, select the corresponding baud rate, open the serial port, change the reporting format to the target position, and view the detection data detected by the radar. The data in this format will display the detected target point (a maximum of 5 target points can be displayed) and the coordinate value of the target point.




（2）Area information reporting

After the corresponding serial port is opened, change the format of the reported data to the target region. In this mode, you can select a region (a maximum of 3 region types can be set). Select the region you want to filter or detect, and then click below to set.



# Technical support and contact way

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