

**HLK-LD2415H**  
**velocity radar**  
**Instructions for use of dedicated**  
**host computer**

2023.10.08

Real-time speed information display area

ASCII speed data frame number accepting area

Optocoupler countdown area (applicable to high and low level functions)

Please set this when you need to use high and low level output signals.

Angle compensation, minimum detection speed value sensitivity setting area

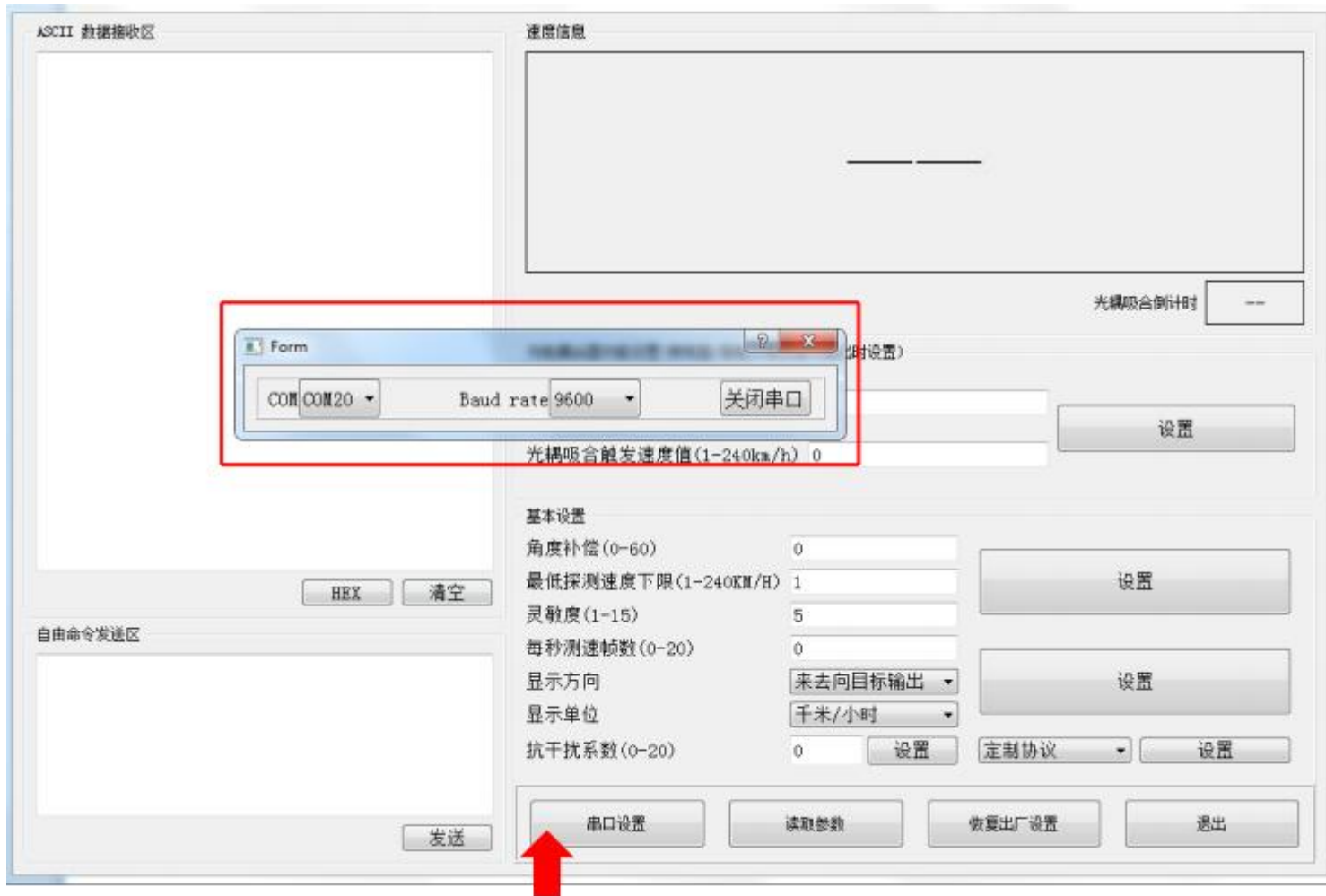
Number of speed measurement frames (refresh rate, detection direction and data unit setting area)

This feature is prohibited

Protocol instructions can freely set the sending area

The screenshot shows a software interface for speed measurement. It is divided into several sections:

- ASCII speed data frame number accepting area:** A large empty rectangular box on the left side.
- Real-time speed information display area:** A rectangular box at the top right containing a horizontal dashed line.
- Optocoupler countdown area:** A small box labeled "光耦回零倒计时" (Optocoupler zeroing countdown) with a red arrow pointing to it.
- Configuration section:** A central area with various settings, including:
  - 光耦回零时间 (0-255s):** Set to 0.
  - 光耦回零触发速度值 (1-240km/h):** Set to 0.
  - 基本设置 (Basic Settings):**
    - 角度补偿 (0-60):** Set to 0.
    - 最低探测速度下限 (1-240km/h):** Set to 1.
    - 灵敏度 (1-15):** Set to 5.
    - 每秒测速帧数 (0-20):** Set to 0.
    - 显示方向:** Set to "来去向目标输出" (Output towards target).
    - 显示单位:** Set to "千米/小时" (km/h).
    - 抗干扰系数 (0-20):** Set to 0.
  - 定制协议 (Custom Protocol):** A dropdown menu currently set to "定制协议" (Custom Protocol), with a red arrow pointing to it and the text "This feature is prohibited".
- 自由命令发送区 (Free Command Sending Area):** A box at the bottom left with "NEXT" and "清空" (Clear) buttons.
- Buttons:** "发送" (Send), "串口设置" (Serial Port Settings), "读取参数" (Read Parameters), "恢复出厂设置" (Restore Factory Settings), and "退出" (Exit).



When using the host computer, please click here first, and the red box content as above will pop up.  
Please select the correct port and baud rate 9600, then click "Open" to open the host computer

ASCII  
Number of  
speed data frames  
receiving area  
  
V+ means  
detection  
coming velocity  
  
V- means  
detection  
Going velocity

ASCII 数据接收区

V+008.0  
V+008.0  
V+005.1  
V+005.1  
V+005.2  
V+005.9  
V+005.9  
V+005.9  
V+005.9  
V+005.9  
V+005.9  
V+005.6  
V+006.2  
V+006.9  
V+006.9  
V+006.9  
V+006.9  
V+005.0  
V+005.0  
V+005.0  
V+006.3  
V+007.6  
V+007.6  
V+007.6  
V+007.6  
V+007.6  
V+007.6

HEX 清空

自由命令发送区

发送

速度信息

来向7.6km/h

光电耦合器倒计时 --

光电耦合器功能设置 (使用高/低电平有效信号输出时设置)

光耦吸合时间(0-255s) 0 设置

光耦吸合触发速度值(1-240km/h) 0 设置

基本设置

角度补偿(0-60) 0 设置

最低探测速度下限(1-240KM/H) 1 设置

灵敏度(1-15) 5 设置

每秒测速帧数(0-20) 0 设置

显示方向 来去向目标输出 设置

显示单位 千米/小时 设置

抗干扰系数(0-20) 0 设置 定制协议 设置

串口设置 读取参数 恢复出厂设置 退出

Real-time speed information  
display area

After the host computer is correctly opened and the radar is successfully connected, you can start using the host computer for debugging and setting parameters.