

FAQ

Q: Failed to connect to the host computer / No ACK when reading version.

A:

- Set the baud rate back to 115200 and confirm 8N1.
- Check the wiring: OT1 → TTL RX, RX → TTL TX. A common ground is required.
- Close sscom, then reconnect the host computer tool.
- If the log shows ASCII text (such as `distance / error`) rather than `FD FC FB FA`, the module is in reporting mode and the command did not enter a configuration frame. Confirm HEX transmission is enabled and contains no unintended spaces.

Q: The host computer tool shows “Ver”, but the real-time chart does not refresh.

A:

- Switch to “Realtime Data”; do not click “Pause”.
- Make sure no other application is using the COM port.

Q: The maximum range / delay reverts after power-off.

A:

- The serial port path omitted the `0x00FD` save command. After clicking “Write Config” in the host computer tool, it is recommended to read the values back for verification.

Q: OT2 stays high or stays low.

A:

- First shorten the disappearance delay (e.g., to 5s), then wait through one full detection cycle — a person enters (area occupied) and then leaves (area empty).
- Make sure you are monitoring OT2, not OT1. (OT1 is UART_TX and will continuously toggle.)

Q: The firmware-configured maximum range is 10.5m, but the measured range is only 6m.

A:

- This is normal. Even under wall-mounted, normal-direction-motion, indoor open-space conditions, the maximum range is about 6m. The firmware-configured maximum range of 10.5m exceeds the actual coverage — it is an upper limit of the parameter, not a guaranteed detection range.