WARN & ERROR Reference

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# Notes

* The following provides a list of warns and errors potentially display by the high-level control software.
* This list is meant as a reference and a tool to help future users identify the source of unwanted behaviors and keep track of potential changes in the error management system.

# ROS\_WARN\_STREAM

*Warning # | Definition | File where this error is define | Suggested action*

1 | “No match for wheel\_id” | teleop/src/*ex1\_teleop.cpp*  | Wheel node ID parameter does not correspond to any of the switch cases. Check *teleop.launch* file.

2 | “No rocker\_id found” | teleop/src/*ex1\_teleop.cpp* | Rocker ID parameter has not been defined. Check *teleop.launch* file.

3 | “Unsuccessful packet: Packet size larger than MAX\_PACKET\_SIZE” | ex1\_serial/src/*detect\_pkt.cpp* | Check MAX\_PACKET\_SIZE definition in config file *internal\_comms.xml*.

4 | “Unsuccessful packet: Previous packet ended prematurely.” | ex1\_serial/src/*detect\_pkt.cpp* | n.a.

5 | “Unsuccessful packet: Packet size is smaller than MIN\_PACKET\_SIZE” | ex1\_serial/src/*detect\_pkt.cpp*  | Check MIN\_PACKET\_SIZE definition in config file *internal\_comms.xml*.

6 | “Unsuccessful packet: CMD is not in the list of commands” | ex1\_serial/src/*pkt\_validation.cpp* | Check teleop/config/*cmd\_map.yaml* file.

7 | “Unsuccessful packet: LEN doesn't match with the corresponding CMD id value.” | ex1\_serial/src/*pkt\_validation.cpp* | Check teleop/config/*cmd\_map.yaml* file.

8 | “Unsuccessful packet: LEN doesn't match with the packet size.” | ex1\_serial/src/*pkt\_validation.cpp* | Check teleop/config/*cmd\_map.yaml* file.

9 | “Unsuccessful packet: CRC validation doesn't match with the corresponding CRC value. | ex1\_serial/src/*pkt\_validation.cpp* | Check teleop/config/*cmd\_map.yaml* file.

# ROS\_ERROR\_STREAM

*Error # | Definition | File where this error is define | potential solution*

1 | “Unable to open port” | ex1\_serial/src/*serial\_Tx\_Rx.cpp*  | USB ports for Motor Controllers are not correctly defined in config file *internal\_comms.xml*.