

HOW TO...

USE THE D-LAB TESTING TOOL

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SUMMARY [WHEN TO USE THIS MANUAL]

This manual explains the use of the D-Lab Testing Tool, a set of small applications that allow you to try out some of the D-Labs network features. This includes: Datastream, Data Relay, Network Tasks and AOI State Streaming. The Tool lets you test your experiment setup and helps with troubleshooting faulty configuration or issues in connectivity. Additionally it provides a log viewer to access logging files outside of D-Lab.

EQUIPMENT

Hardware Requirements

PC with D-Lab installed (3.70.9208 or newer)

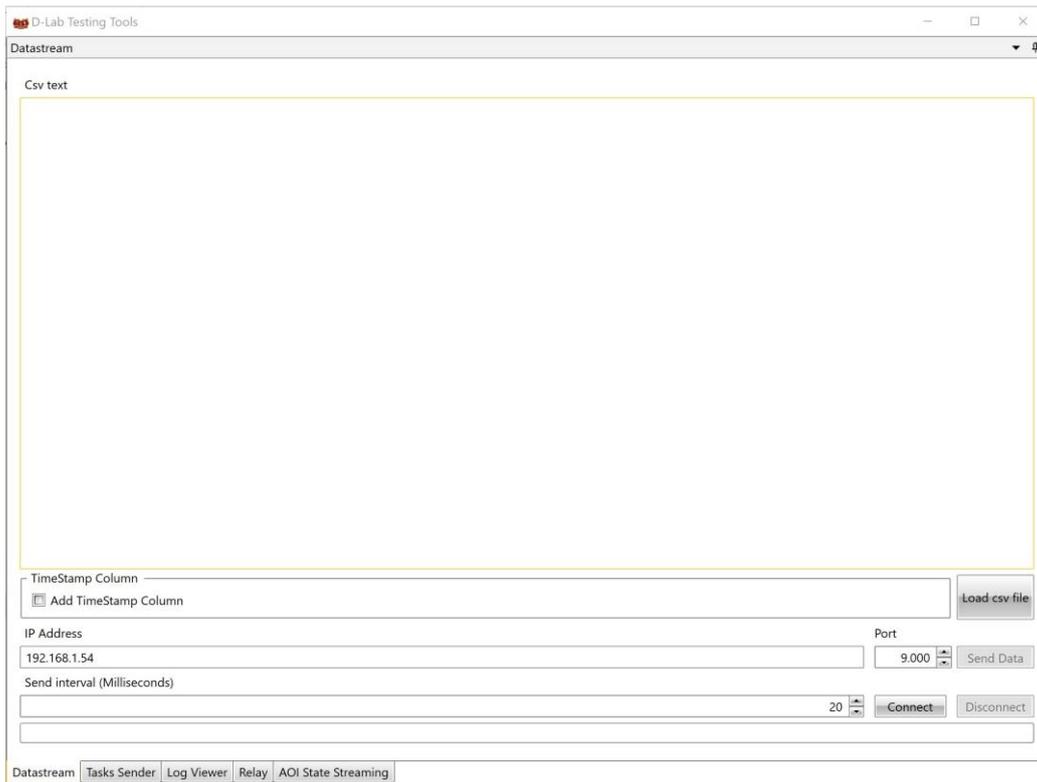
Software Requirements

D-Lab 3.70.9208 or newer, any License Level

“GET THE FUNCTION TO WORK”/CONFIGURATIONS

You can find the Testing Tool via the Windows Start Menu under the D-Lab folder.

”USE THE FUNCTION” /USE



Datastream

This tool helps you to test the connection and configuration of a D-Lab Datastream. For this will need a .csv or .txt file with contents in a Datastream-supported formatting. (There is a file with sample data available in the same sub folder as the Testing Tool itself.)

- Make sure to configure a D-Lab Datastream in a way that matches the data in the .csv file. (for further information refer to “How to create a data stream connection to D-Lab” on the Ergoneers FAQ page: <http://www.ergoneers.com/faq/>)
- Next, in the Testing Tool, press “Load” and choose the mentioned .csv (or .txt) file.
- Enter the IP Address of the D-Lab PC and the port that is defined in the Datastream configuration. Then press “Connect”.
- On pressing “Send Data” the Testing Tool reads the .csv file line by line and attempts to send them over the Datastream.
- You can choose to send a live timestamp generated by the Testing Tool in addition to the data via the checkbox “Add TimeStamp Column”
- You can also change the time interval between two sent lines by writing the number of milliseconds in the text box “Send interval (Milliseconds)”
- If you receive the correct data on the D-Lab side, you can be sure the configuration is correct and the connection to the D-Lab PC works as intended.

Tasks Sender

In this tab you are able to load .txt files with Task Triggers and send them to D-Lab.

- First of all, set up the Network Tasks on the D-Lab side. (compare “How to configure network task triggers” on the Ergoneers FAQ page: <http://www.ergoneers.com/faq/>)
- Then press “Load” in the Testing Tool and choose a .txt file with contained Task Triggers. Alternatively press “Import Tasks” to read the Triggers from a .xml file.
- Enter the IP Address of the D-Lab PC and the port that is defined in the Network Task configuration. Afterwards press “Connect”.
- On pressing “Send Data” the Testing Tool reads the Triggers from the .txt file and sends them to D-Lab.
- You can change the time interval between two sent Triggers by writing the number of milliseconds in the text box “Send interval (Milliseconds)”

Log Viewer

This tool allows you to open and read a D-Lab log file without the need to start D-Lab.

- Press “Load” and open a suitable D-Lab log.txt file from your hard drive to open it in the Testing Tool.

Relay

With this tool you can test the Data Relay and receive data from your D-Lab machine.

- Enter the IP Address of the D-Lab PC as well as the port that matches the D-Lab Relay.
- Press “Start” to engage the receiver and “Stop” to end receiving

AOI State Streaming

This tab provides a Listener Application that receives D-Labs AOI State Streaming messages.

- Set IP Address of the D-Lab machine and the port as specified in the file D-Lab/Resources/AoiGlanceStreamerConfig.txt (the port is the entry in the second line)
- Press “Start” to engage the listener and “Stop” to end receiving

TROUBLE SHOOTING

The Testing Tool does not correctly send or receive data from D-Lab?

In this case there is something going wrong with either the configurations or with the connection between the machine that runs the Testing Tool and the D-Lab PC. First make sure you correctly entered IP Addresses and Ports within the Testing Tool. Next check the connection between the machines and take a closer look whether the specific D-Lab functionality is configured correctly. Double check with the manual or the associated How To whether everything is correctly set up.

GET HELP

You can find answers to your questions, as well as instructions and troubleshooting information, in Ergoneers FAQ (<http://www.ergoneers.com/faq>).

In case of other questions or hardware problems contact support@ergoneers.com.

Reference to contact/support of partners/related companies.

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