



1 Installation

Follow the instructions below for CDP Logger installation. When prompted in the “CUWB Applications Selection”, ensure that **CUWB Logger** is selected for installation. *Note, the CDP Player is bundled with the CDP Logger, both tools will be installed as a part of the CUWB Logger package.*

1. Follow best practices and review [the install.sh script](#).
2. Paste into an Ubuntu 16.04/18.04 terminal and press Enter:

```
bash <(wget -qO- https://cuwb.io/install.sh)
```

2 Launching CDP Logger

Once the CDP Logger has been installed, launch the application by typing the following into a terminal window:

```
cdp-logger
```

3 CDP Logger Command Line Options

The command line options supported by the system are as follows:

Option	Parameters	Arguments	Description
Debug	-d, --debug	none	Activates debug mode.
File	-f, --file	name_of_file	File where the CDP packets will be logged. If this option is not provided, it will default to cdp-log-<date>-.00
Help	-h, --help	none	Prints the help message.
Interface Address	-i, --iface	iface_addr	Log will be recorded on network interface with the specified IP address.
Split Hours	--splithours	number_of_hours	How often, in hours, to split and log to a new file. Value can be entered as decimal.
Rotating Files	-r, --rotate	number_of_files	The logger will rotate through the specified number of log files, moving to the next after each split.
UDP Stream	-u	udp_stream	Packets will be recorded from the specified UDP stream (ip:port). Default value is 239.255.76.67:7667.
Version	--version	none	Print the version.

4 Network Configuration

By default, the CDP logger will log all incoming CDP data on the following network settings:

IP	239.255.76.67
port	7667
interface	0.0.0.0

To change network settings, use the *UDP Stream* command line option (-u) to set the IP and port, and use the *Interface Address* command line option (-i) to set the network interface. For example, the following command will set up the CDP logger to log data on IP=239.255.76.66, port=7665, and interface=127.0.0.1 (localhost):

```
cdp-logger -u 239.255.76.66:7665 -i 127.0.0.1
```

Note, the CDP Player network configuration is the same as the CDP Logger. The above options applies to the CDP Player as well.

5 Log Playback

Once a log file has been captured using the CDP Logger, the CDP Player can be used to play the log back. The player will emit the logged CDP packets over the selected network settings with the same timing with which the data was logged. The CDP Player can be launched by typing the following into a terminal window:

```
cdp-player
```

6 CDP Player Command Line Options

The command line options supported by the system are as follows:



Option	Parameters	Arguments	Description
Debug	-d, -debug	none	Activates debug mode.
End Time	-end	end_time	cdp-player will end playback at end_time seconds.
File	-f, -file	name_of_file	Log file containing CDP data that will be played back. If this option is not provided, it will default to default.log
Help	-h, -help	none	Prints the help message.
Interface Address	-i, -iface	iface_addr	Log will be recorded on network interface with the specified IP address.
Loop	-l, -loop	none	replay continuously in a loop until the player is terminated.
Speed	-s, -speed	speed_multiplier	Speed to play back the log (default is 1x). Can be a decimal number.
Start Time	-start	start_time	The cdp-player will start playback at start_time seconds through the log.
UDP Stream	-u	udp_stream	Packets will be recorded from the specified UDP stream (ip:port) Default value is - 239.255.76.67:7667
Version	-version	none	Print the version.

7 CDP Logger Manual Manual Change Log

Version	Date	Change Description
1.0	2018-06-13	Initial Public Release