



How To: Make a DSP Trace

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1.0 Overview

This document provides instructions and information on how to create a DSP trace (required when troubleshooting media issues).

The following topics are presented in this document:

- Running the **Udp2file** utility
- Using the Web Server to create a DSP trace

NOTE: This document was written using v4.8 software.

2.0 Running the Udp2file Utility

A Udp2file utility is available for download from the AudioCodes' tech support Online Support system. When a trace file is activated on the board, the output is passed to a board's UDP port. This utility converts the output of the board's UDP port to a trace file (.dat file).

1. Download the Udp2file utility from the AudioCodes Online technical support system.
2. Run the utility.
3. Type the name of your trace file and use the "Browse" button to navigate to the folder.
4. Set the UDP port that the trace output is going to: **2428**.
5. DO NOT check the PSTN or Payload Only options.
6. Once you click the "Go" option, this trace utility begins capturing packets (it is important to configure the web server and click "Submit" on the Web server before starting this application).

3.0 Using the Web Server

To make a DSP trace using the Web Server, do the following:

Debug Recording Tool

Channel Numbers:

Record Points: ☐ DSPTx ☐ DSPRx ☐ RTPTx ☐ RTPRx ☐ Event

Trigger: ☐ CAS ☐ FAX ☐ MODEM ☐ SILENCE ☐ IBS ☐ STOP ☐ RTCP ☐ ERROR

Filter: ☐ CAS ☐ FAX ☐ MODEM ☐ VOICE ☐ IBS ☐ RTP ☐ RTCP

Headers Only: ☐ Headers Only

Use CID as DSP Handle: ☐ Use CID

Buffer Size:

Trigger Duration:

Port:



1. Access your board's web server: <http://xx.xx.xx.xx/FAE>
2. The default password and User Name are always: Admin.
3. Use the "Packet Recording" link to browse to the correct page.
4. Enter the channels that you want to record. 0-N or 3-N. Recording all 120 channels is not recommended as the board will become overloaded.
5. Select the Record Points by enabling all the options: DSPTx, DSPRx, RTPTx, RTPRx, Event.
4. Set the UDP port: **2428**.
5. Click "Record". (Make sure the Udp2file application is running before you click submit).
6. Send the .dat file to AudioCodes for evaluation.

NOTE: When making a recording while the voice/tone is playing, the channel must be configured for G.711.