

Working with the microphone

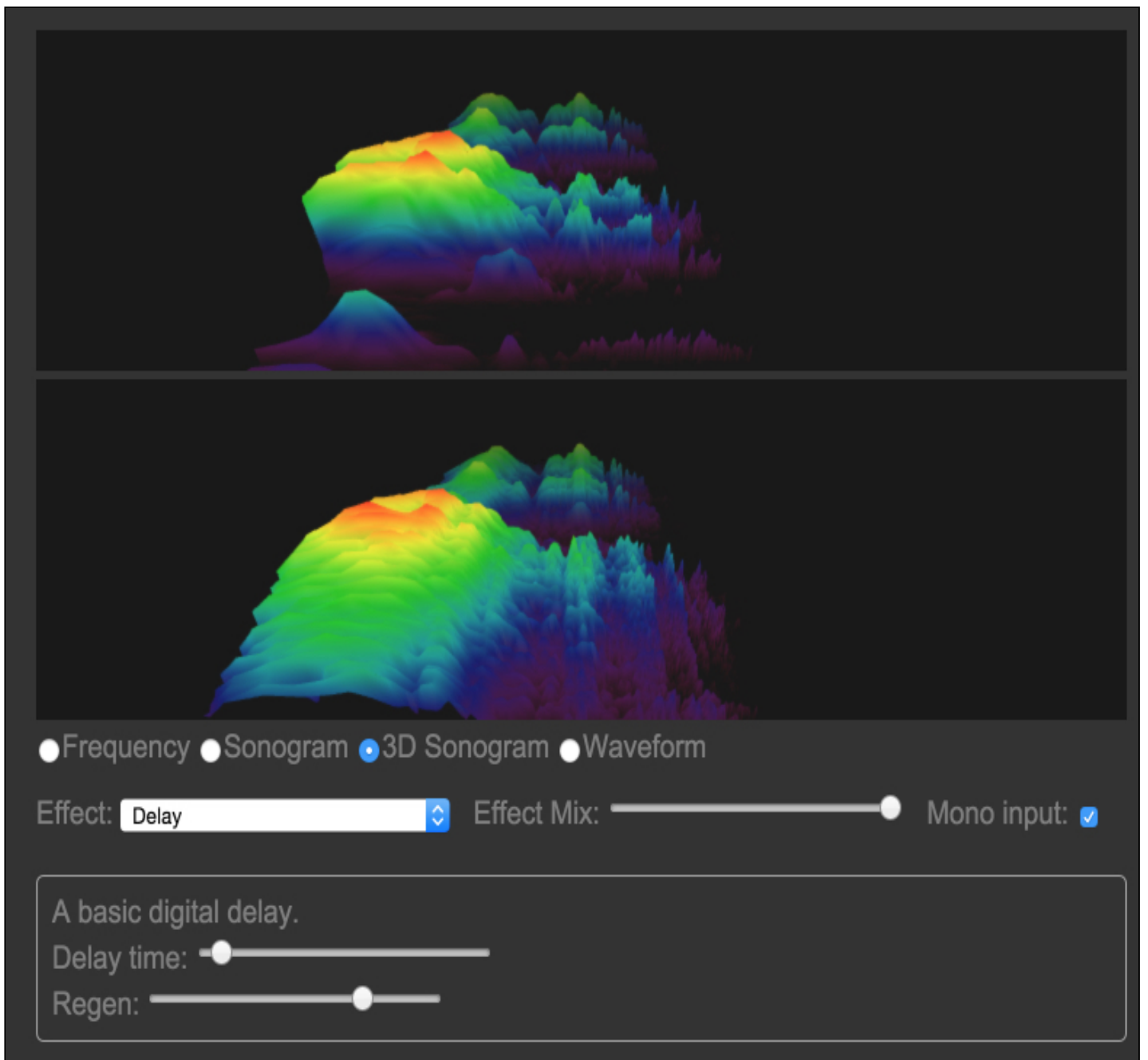
Instead of using the `getUserMedia` API

with: `navigator.getUserMedia({video:true}, onSuccess, onError)`, it is also possible to use `{audio:true}` for the first parameter. In this case, only the microphone input will be captured. Notice that `{video:true, audio:true}` is also accepted, if you write a video conferencing system and need to capture both the audio and the video (this is often the case when writing WebRTC applications). The [W3C WebRTC](#) is another W3C specification, under development, for P2P audio/video/data Real Time Communication.

Apart from videoconferencing, microphone input will be used for music Web apps, from the [WebAudio API](#). This API focuses on real time sound processing and music synthesis. This API will be covered in the advanced W3Cx HTML5 course.

Do try some nice WebRTC applications like [Appear.in audio and video conferencing tool](#). Also check out the [WebAudio demonstrations](#) written by Chris Wilson, in particular the one called "Input effects".

Below is an [example of real time audio processing of the microphone input](#) using `getUserMedia` and `WebAudio` APIs



appear.in: a free WebRTC video conferencing tool. It uses the getUserMedia API for video and audio.

Chrome Fichier Modifier Afficher Historique Favoris Fenêtre Personnes Aide

1. root@...
at listen (net.js:1064:10)
at HTTPServer.Server.listen
at Object.<anonymous> (/home
at Module._compile (module.
at Object.Module._extensions
at Module.load (module.js:35
at Function.Module._load (mc
at Function.Module.runMain (

JS Bin - Collaborative JavaScript
jsbin.com/gavezu/4/edit?js,output

HTML CSS JavaScript Console Output

```
break;
```

Output

Hello W3DevCa

This is livecoding, can you see the

```
canvas.addEventListener('mousedown', function(evt) {  
  var rect = canvas.getBoundingClientRect();  
  mouseX = evt.clientX - rect.left;  
  mouseY = evt.clientY - rect.top;  
  
  console.log("mouse down x=" + mouseX + " y=" +  
    mouseY);  
  
  // Update input states  
  inputStates.mousedown = true;  
  inputStates.button = evt.button;  
  inputStates.mouseX = mouseX;  
  inputStates.mouseY = mouseY;  
  
  canvas.addEventListener('mouseup', function(evt) {  
    inputStates.mousedown = false;  
  
    makeMonster();  
  });  
});
```

appear.in/w3devcampus

6 novembre
11 mars

Eplantine
playlist_3-2014

Vex
TimeWarp_files

test.html
CENTRE

Cla verte

Clem Playlist
2013-2014

Cours
JavaScript 2015

SoutenancesWeb
b2.ONTDP2015

Vex
TimeWarp.html

Progr Web - S-Course ...zip

Écrivez quelque chose de sympa!

Tout aff

