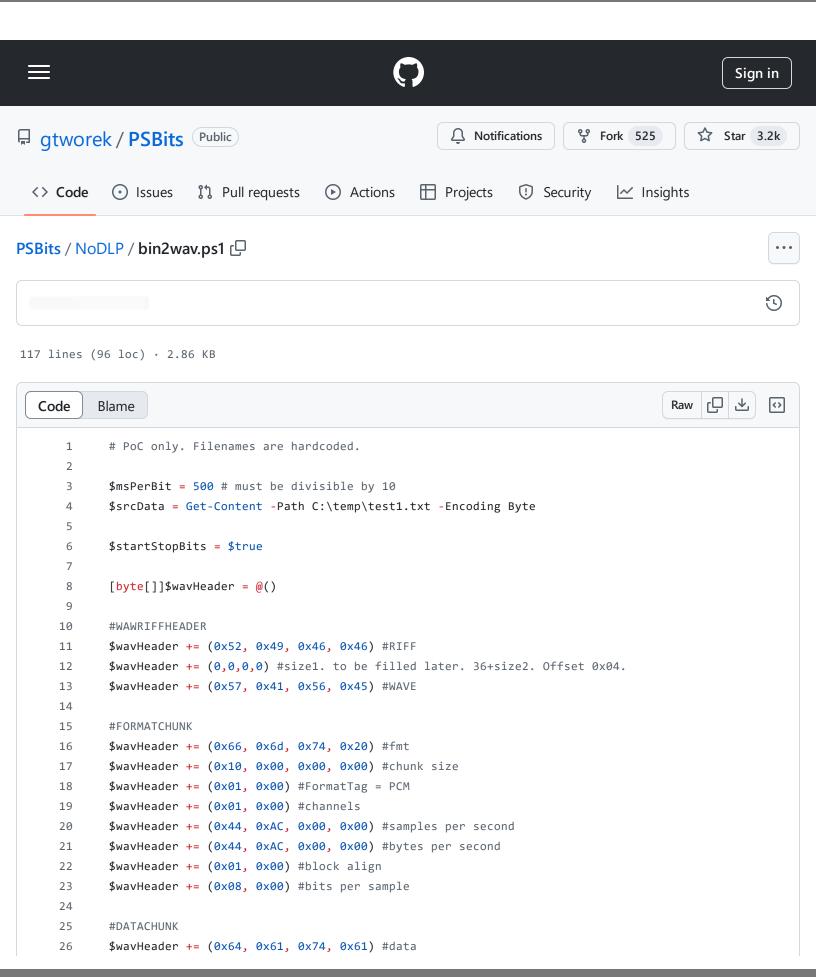
https://github.com/gtworek/PSBits/blob/e97cbbb173b31cbc4d37244d3412de0a114dacfb/NoDLP/bin2wav.ps1



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```
27
       $wavHeader += (0x00, 0x00, 0x00, 0x00) # size2. Number of samples Offset 0x28
28
       #size2
29
       $samplesCount = 44.100 * $srcData.Count * $msPerBit * 8
30
31
32
       if ($startStopBits)
33
       {
34
           $samplesCount += (44.100 * 2 * $msPerBit)
35
       }
36
37
       $wavHeader[0x28] = $samplesCount -band 0xFF
       $wavHeader[0x29] = ($samplesCount -band 0xFF00) -shr 8
38
39
       $wavHeader[0x2A] = ($samplesCount -band 0xFF0000) -shr 16
       $wavHeader[0x2B] = ($samplesCount -band 0xFF000000) -shr 24
40
41
       #totalsize
42
       wavHeader[0x04] = (samplesCount + 36) -band 0xFF
43
       wavHeader[0x05] = ((samplesCount + 36) - band 0xFF00) - shr 8
44
       wavHeader[0x06] = ((samplesCount + 36) - band 0xFF0000) - shr 16
45
46
       wavHeader[0x07] = ((samplesCount + 36) - band 0xFF000000) - shr 24
47
48
49
       $filename = 'C:\temp\test1.wav'
50
       del $filename # for PoC
51
       $fsw = new-object IO.FileStream($filename, [IO.FileMode]::CreateNew)
       $writer = new-object IO.BinaryWriter($fsw)
52
53
       $writer.Write($wavHeader)
54
55
       10Freq = 300
56
57
       hiFreq = 2000
58
       $samplesPerBit = 44.1 * $msPerBit
59
60
       $body = New-Object byte[] $samplesPerBit
61
       # a bit of data for a start.
62
63
       if ($startStopBits)
64
           for ($k=0; $k -lt ($samplesPerBit); $k++)
65
               body[k] = 0
67
               if ((($k+1) % 4410) -eq 0)
68
69
               {
70
                   body[k] = 255
71
               }
72
           }
```

```
73
            $writer.Write($body)
 74
        }
 75
 76
        for ($i = 0; $i -lt $srcData.Count; $i++)
 77
 78
            $srcByte = $srcData[$i]
 79
            for (\$j = 0; \$j - 1t \ 8; \$j++)
 80
 81
                 if (($srcByte -band (1 -shl (7 - $j))) -ne 0)
 82
 83
                     $freq = $hiFreq
 84
                 }
 85
                else
 86
                 {
 87
                     $freq = $loFreq
 88
 89
                for ($k=0; $k -lt ($samplesPerBit); $k++)
 90
                 {
91
                     $body[$k] = [byte](([System.Math]::Sin((2 * $k * [System.Math]::PI * $freq) / 44100) *
92
 93
                 $writer.Write($body)
94
            }
95
        }
 96
97
        # a bit of data for a stop.
98
        if ($startStopBits)
99
100
            for ($k=0; $k -lt ($samplesPerBit); $k++)
101
            {
102
                body[k] = 0
103
                if ((($k+1) % 4410) -eq 0)
104
105
                     body[k] = 255
106
                 }
107
108
            $writer.Write($body)
109
        }
110
111
112
        $fsw.Close()
113
114
        # and now play it
115
        # $PlayWav = New-Object System.Media.SoundPlayer
116
        # $PlayWav.SoundLocation = $filename
117
        # $PlayWav.PlaySync()
```

 $PSBits/NoDLP/bin2wav.ps1\ at\ e97cbbb173b31cbc4d37244d3412de0a114dacfb\cdot gtworek/PSBits\cdot GitHub-31/10/2024\ 17:06$

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