

```
00000000|52 49 46 46 9A A0 E7 02 57 41 56 45 66 6D 74 20 10 00 00 00 01|RIFF....WAVEfmt ....
00000015|00 02 00 44 AC 00 00 10 B1 02 00 04 00 10 00 4C 49 53 54 6E 00|...D.....LISTn.
0000002a|00 00 49 4E 46 4F 49 41 52 54 0D 00 00 00 56 61 6E 20 4D 6F 72|..INFOIART....Van Mor
0000003f|72 69 73 6F 6E 00 00 49 43 52 44 05 00 00 00 31 39 37 30 00 00|rison..ICRD....1970..
00000054|49 4E 41 4D 0A 00 00 00 4D 6F 6F 6E 64 61 6E 63 65 00 49 50 52|INAM....Moondance.IPR
00000069|44 0A 00 00 00 4D 6F 6F 6E 64 61 6E 63 65 00 49 50 52 54 03 00|D....Moondance.IPRT..
0000007e|00 00 30 32 00 00 49 53 46 54 0E 00 00 00 4C 61 76 66 35 38 2E|..02..ISFT....Lavf58.
00000093|34 35 2E 31 30 30 00 64 61 74 61 00 A0 E7 02 00 00 00 00 00 00|45.100.data.....
```

```
% mplayer 02\ -\ Moondance.wav
Playing 02 - Moondance.wav.
libavformat version 58.45.100 (external)
Audio only file format detected.

=====
Opening audio decoder: [pcm] Uncompressed PCM audio decoder
AUDIO: 44100 Hz, 2 ch, s16le, 1411.2 kbit/100.00% (ratio: 176400->176400)
Selected audio codec: [pcm] afm: pcm (Uncompressed PCM)

=====
AO: [pulse] 44100Hz 2ch s16le (2 bytes per sample)
```

```
52 49 46 46 9A A0 E7 02 57 41 56 45 66 6D 74 20 10 00 00 00 01
00 02 00 44 AC 00 00 10 B1 02 00 04 00 10 00 4C 49 53 54 6E 00
00 00 49 4E 46 4F 49 41 52 54 0D 00 00 00 56 61 6E 20 4D 6F 72
72 69 73 6F 6E 00 00 49 43 52 44 05 00 00 00 31 39 37 30 00 00
49 4E 41 4D 0A 00 00 00 4D 6F 6F 6E 64 61 6E 63 65 00 49 50 52
44 0A 00 00 00 4D 6F 6F 6E 64 61 6E 63 65 00 49 50 52 54 03 00
00 00 30 32 00 00 49 53 46 54 0E 00 00 00 4C 61 76 66 35 38 2E
34 35 2E 31 30 30 00 64 61 74 61 00 A0 E7 02 00 00 00 00 00 00
```

Field	Length	Contents
ckID	4	Chunk ID: “RIFF”
cksize	4	Chunk size: 4+n
WAVEID	4	WAVE ID: “WAVE”
WAVE chunks	n	Wave chunks containing format information and sampled data
ckID	4	Chunk ID: “fmt “ (space)
cksize	4	Chunk size: 16, 18, or 40 (0x10, 0x18, or 0x28)
wFormatTag	2	Format code: 0x0001 WAVE_FORMAT_PCM 0x0003 WAVE_FORMAT_IEEE_FLOAT 0x0006 WAVE_FORMAT_ALAW 0x0007 WAVE_FORMAT_MULAW 0xFFFE WAEV_FORMAT_EXTENSIVE
nChannels	2	Number of interleaved channels
nSamplesPerSec	4	Sampling rate (blocks per second)
nAvgBytesPerSec	4	Data rate
nBlockAlign	2	Data block size (bytes)
wBitsPerSample	2	Bits per sample (=nBlockAlign / nChannels)
cbSize	2	Size of the extension (0 or 22)
wValidBitsPerSample	2	Number of valid bits
dwChannelMask	4	Speaker position mask
SubFormat	16	GUID, including the data format code
ckID	4	Chunk ID: “data”
cksize	4	Chunk size: n

It seems these fields (not highlighted) are only required for non-PCM WAVE files (as indicated by wFormatTag)