

## :mod:`sndhdr` --- Determine type of sound file

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library]sndhdr.rst, line 1); [backlink](#)

Unknown interpreted text role "mod".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library]sndhdr.rst, line 4)

Unknown directive type "module".

```
.. module:: sndhdr
   :synopsis: Determine type of a sound file.
   :deprecated:
```

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library]sndhdr.rst, line 8)

Unknown directive type "sectionauthor".

```
.. sectionauthor:: Fred L. Drake, Jr. <fdrake@acm.org>
```

**Source code:** :source:`Lib/sndhdr.py`

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library]sndhdr.rst, line 11); [backlink](#)

Unknown interpreted text role "source".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library]sndhdr.rst, line 13)

Unknown directive type "index".

```
.. index::
   single: A-LAW
   single: u-LAW
```

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library]sndhdr.rst, line 17)

Unknown directive type "deprecated".

```
.. deprecated:: 3.11
   The :mod:`sndhdr` module is deprecated (see :pep:`594` for details).
```

---

The `:mod:`sndhdr`` provides utility functions which attempt to determine the type of sound data which is in a file. When these functions are able to determine what type of sound data is stored in a file, they return a `:func:`~collections.namedtuple``, containing five attributes: (filetype, framerate, nchannels, nframes, sampwidth). The value for *type* indicates the data type and will be one of the strings 'aifc', 'aiff', 'au', 'hcom', 'sndr', 'sndt', 'voc', 'wav', '8svx', 'sb', 'ub', or 'ul'. The *sampling\_rate* will be either the actual value or 0 if unknown or difficult to decode. Similarly, *channels* will be either the number of channels or 0 if it cannot be determined or if the value is difficult to decode. The value for *frames* will be either the number of frames or -1. The last item in the tuple, *bits\_per\_sample*, will either be the sample size in bits or 'A' for A-LAW or 'U' for u-LAW.

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library]sndhdr.rst, line 22); [backlink](#)

Unknown interpreted text role "mod".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library]sndhdr.rst, line 22); [backlink](#)

Unknown interpreted text role "func".

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library]sndhdr.rst, line 37)**

Unknown directive type "function".

```
.. function:: what(filename)
```

Determines the type of sound data stored in the file \*filename\* using :func:`whathdr`. If it succeeds, returns a namedtuple as described above, otherwise ``None`` is returned.

```
.. versionchanged:: 3.5
   Result changed from a tuple to a namedtuple.
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main] [Doc] [library]sndhdr.rst, line 47)**

Unknown directive type "function".

```
.. function:: whathdr(filename)
```

Determines the type of sound data stored in a file based on the file header. The name of the file is given by \*filename\*. This function returns a namedtuple as described above on success, or ``None``.

```
.. versionchanged:: 3.5
   Result changed from a tuple to a namedtuple.
```