
presets Documentation

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Contents

1	Example	3
2	API Reference	5
2.1	Object reference	5
2.2	Changes	6
2.2.1	v0.1.3	6
2.2.2	v0.1.2	6
2.2.3	v0.1.1	6
2.2.4	v0.1.0	6
3	Contribute	7
	Python Module Index	9

Presets provides an object interface that can override common default parameter settings for all functions within a target module or package.

It's simple to use. Simply construct a `Preset` object with the target module as an argument, then set the default parameters via a dict-like interface. After that, your new object will act just as the target module, but it replaces the default arguments of any functions with values that you set.

CHAPTER 1

Example

```
>>> import librosa as _librosa
>>> from presets import Preset
>>> librosa = Preset(_librosa)
>>> librosa['sr'] = 44100
>>> librosa['n_fft'] = 4096
>>> librosa['hop_length'] = 1024
>>> y, sr = librosa.load(librosa.util.example_audio_file())
>>> sr
44100
>>> stft = librosa.stft(y)
```


2.1 Object reference

class `presets.Preset` (*module*, *dispatch=None*, *defaults=None*)

The `Preset` class overrides the default parameters of functions within a module.

If the given module contains submodules, these are also encapsulated by `Preset` objects that share the same default parameter dictionary.

Submodules are detected by examining common prefixes of the module source paths.

Attributes

module [Python module] The module to encapsulate

dispatch [None or dictionary] A dictionary mapping modules to existing `Preset` objects. This should be left as *None* for most situations.

defaults [None or dictionary] An existing dictionary object used to collect default parameters.
Note: this will be passed by reference.

Methods

<code>keys()</code>	Returns a list of currently set parameter defaults
<code>update(D)</code>	Updates the default parameter set by a dictionary <i>D</i>

keys ()

Returns a list of currently set parameter defaults

update (*D*)

Updates the default parameter set by a dictionary *D*

2.2 Changes

2.2.1 v0.1.3

- Fixed a bug in handling built-in modules
- Added transparency of wrapped function docstrings and call signatures

2.2.2 v0.1.2

- Fixed a bug in overriding anonymous keyword arguments
- Updated inspect usage for python 3.5

2.2.3 v0.1.1

- Fixed an error in PyPI-based installation

2.2.4 v0.1.0

- Initial public release

CHAPTER 3

Contribute

- [Issue Tracker](#)
- [Source Code](#)

p

presets, 5

K

`keys()` (`presets.Preset` method), [5](#)

P

`Preset` (class in `presets`), [5](#)

`presets` (module), [5](#)

U

`update()` (`presets.Preset` method), [5](#)