
tinyDisplay

<https://github.com/dhrone>

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CONTENTS

1	Get started	3
2	How-to guides	5
3	Reference	7
4	Background	9
5	About the project	11

A Python project (in progress) that implements widgets and screen management for small displays.

GET STARTED

Documentation for new users (tutorials, step-by-step installation guides, etc)

HOW-TO GUIDES

Recipes for specific tasks

REFERENCE

APIs, classes, methods, etc

BACKGROUND

Underlying concepts, approaches, principles.

ABOUT THE PROJECT

Some general notes about the project.

5.1 How-to guides

5.1.1 How to install tinyDisplay

tinyDisplay uses [Poetry](#) to manage installation and dependencies.

Clone the tinyDisplay repository, and in the repository directory run:

```
poetry install
```

5.1.2 How to run tests

tinyDisplay's test suite can be found in `tests`. The test suite requires Pytest, which is installed by default.

Execute `pytest` to run all tests.

5.1.3 How to build the documentation

The documentation is all in the project's `docs` directory. The `Makefile` includes a number of useful commands that can be run in that directory.

Install documentation components locally in a virtualenv:

```
cd docs  
make install
```

Build HTML:

```
make html  
open _build/html/index.html
```

Or, run a documentation server:

```
make run
```

- the documentation will be served at <http://localhost:8901>

See also `documentation-standards`.

5.2 Background

tinyDisplay has evolved from functionality in [pydPiper](#), an application to display metadata from music players such as Volumio, MoodeAudio, and Max2Play on small screens.

tinyDisplay uses the [luma.core](#) library as a display driver - any display supported by luma will work with tinyDisplay.

5.2.1 Related projects in progress

pyAttention: data services to listen for music metadata (Volumio, MPD, LMS, etc). Will also support other interfaces including REST and RSS.

pydPiper: a wholly new version of pydPiper will make use of the functionality of tinyDisplay, luma and pyAttention in a single project.