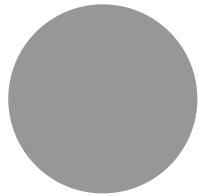




## Runs (Summary) 12/12/2025

Project: IoT Music Visualizer Testing  
By Osame Osayande, 12/12/2025 7:09 AM

### Run: Core Functionality



<span style="color: green;">■</span>	<b>0 Passed</b> 0% set to Passed	<span style="color: green;">■</span>	<b>0 Autom..ssed</b> 0% set to Autom..ssed
<span style="color: gray;">■</span>	<b>0 Blocked</b> 0% set to Blocked	<span style="color: red;">■</span>	<b>0 Autom..iled</b> 0% set to Autom..iled
<span style="color: yellow;">■</span>	<b>0 Skipped</b> 0% set to Skipped	<span style="color: gray;">■</span>	<b>0 Autom..rror</b> 0% set to Autom..rror
<span style="color: red;">■</span>	<b>0 Failed</b> 0% set to Failed		

**0%**  
passed

20 / 20 untested (100%).

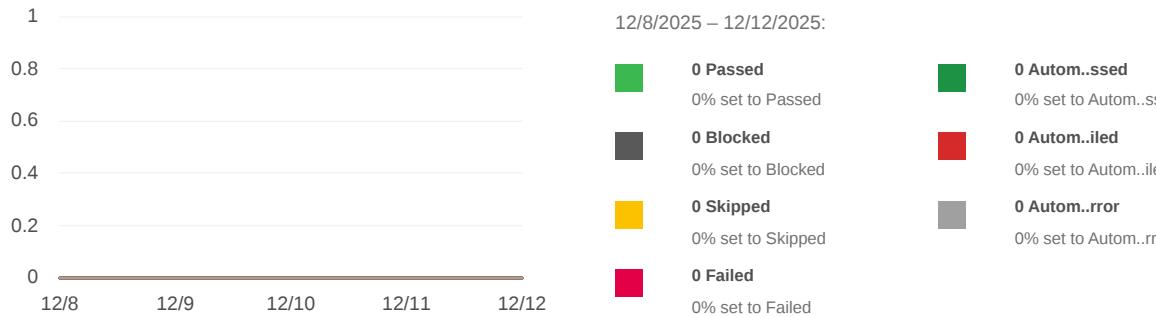
Created On

12/12/2025

Completed

No

## Activity

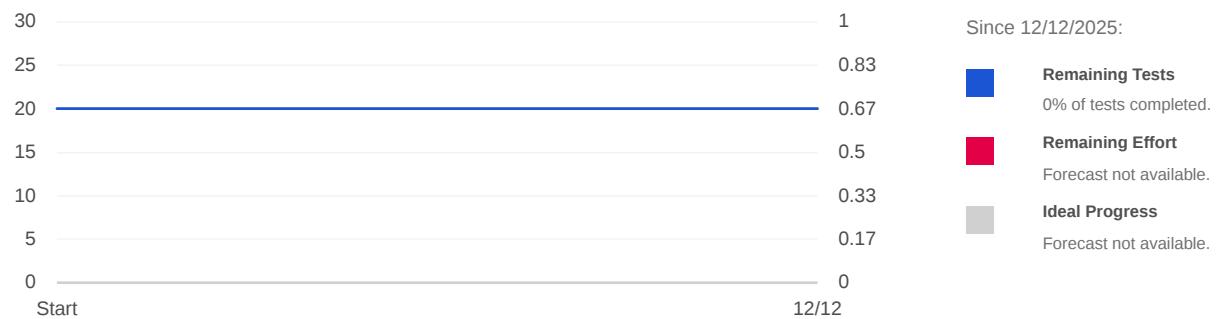


Friday, December 12, 2025

- Untested Rebuild occurs automatically after code changes (optional if using bind mounts)
- Untested Containers communicate over network
- Untested Docker-compose up runs without errors
- Untested Docker-compose builds all containers
- Untested Preset load endpoint returns valid preset
- Untested Preset save endpoint responds correctly
- Untested Backend server responds on startup
- Untested Saving preset with no name prompts error
- Untested Load saved preset
- Untested Save preset to backend
- Untested Settings panel opens
- Untested Load button appears and is clickable
- Untested Save button appears and is clickable
- Untested Visualizer UI loads correctly
- Untested FFT processing continues under silence
- Untested FFT analyzer produces frequency data

- 
- Untested [FFT analyzer initializes successfully](#)
- 
- Untested [Handle missing microphone](#)
- 
- Untested [Detect audio input signal](#)
- 
- Untested [Verify microphone permissions](#)
-

## Progress



## Forecasts & Estimates



Based on the current activity and forecasts, the projected completion date for the test run(s) is:

**Unknown**

*Forecast not possible*



The test run(s) were started **11 minutes ago** (12/12/2025).

Completed: 0% (0/20)

Elapsed: 0hr 0min

Tests / day: 0

Hours / day: n/a

Metric	By Estimate	By Forecast
Completed	0hr 0min	n/a
To-do	0hr 0min	n/a
Total	0hr 0min	n/a

## Tests & Results

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### 1. Audio Input (3)

ID	Title	Status
T161	Verify microphone permissions	Untested
T162	Detect audio input signal	Untested
T163	Handle missing microphone	Untested

### 2. FFT Analysis (3)

ID	Title	Status
T164	FFT analyzer initializes successfully	Untested
T165	FFT analyzer produces frequency data	Untested
T166	FFT processing continues under silence	Untested

### 3. UI (4)

ID	Title	Status
T167	Visualizer UI loads correctly	Untested
T168	Save button appears and is clickable	Untested
T169	Load button appears and is clickable	Untested
T170	Settings panel opens	Untested

### 4. Management (3)

ID	Title	Status
T171	Save preset to backend	Untested
T172	Load saved preset	Untested
T173	Saving preset with no name prompts error	Untested

### 5. Backend (3)

ID	Title	Status
T174	Backend server responds on startup	Untested

T175	Preset save endpoint responds correctly	Untested
T176	Preset load endpoint returns valid preset	Untested

## 6. Docker Environment (4)

ID	Title	Status
T177	Docker-compose builds all containers	Untested
T178	Docker-compose up runs without errors	Untested
T179	Containers communicate over network	Untested
T180	Rebuild occurs automatically after code changes (optional if using bind mounts)	Untested

Generated with TestRail [test management](#) software – 9.7.2.1003  
Report: Runs (Summary), by Gurock Software (Version 1)