



## **Impulse Response Pack Volume 1**

### **Introduction**

My wife has a practice room in an arts center, ADAO, located in Barreiro, south of Lisbon. It's a building with large rooms and long corridors where a pulsating creative community produces the most various forms of art. Over the days, normally around dinner time, I would share with others my intention to capture the sound of the building, its tone and reverberation, and it soon became obvious that I had to stop talking and start recording so I dared a couple of friends, José Bica and Vitor Pereira, to join me. I took a handful of mics, cables and stands, José brought his portable recorder and a 360° microphone, and Vitor brought his cameras to experiment with high framerate video shooting.

### **Recording Description**

We used a pair of large diaphragm and a pair of small diaphragm condenser microphones (in XY stereo configuration) along with a quad-capsule 360° microphone. Microphones were positioned on a location selected by ear between 150cm and 170cm above the ground. The spaces were excited by bursting inflated balloons less than 100cm in front of the microphones and around 100cm above the ground. Audio was captured to a portable recorder.

### **Audio Processing**

This pack only includes the stereo captures. Currently, we do not have a surround monitoring system so we're saving the 360° captures for the day we access one. Audio processing was minimal and limited to normalization between channels, a very short linear fade-in, just a few samples before transient attack, and a smooth s-curve fade-out.

### **File Info**

Location: ADAO - 1<sup>st</sup> Floor Corridor  
Reverb Type: 40m long corridor (average length: 2.456s)  
Recording Date: September 11<sup>th</sup> 2019  
File Format: 2ch WAV 96kHz 32Bit (float)  
File Size: 10.2Mb (4 files)

### **Credits**

Audio recording: José Bica  
Audio editing: Fernando Matias  
Video capture: Vitor Pereira

### **Legal**

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**We would like to thank ADAO for making this possible. Reach them at: [www.adao2830.org](http://www.adao2830.org)  
[www.thepentagonaudio.com](http://www.thepentagonaudio.com)**