

Introduction

"Lost Echoes" is an interactive art installation that pays tribute to satellite dishes, symbols of connection and cultural communication from past decades. With the advent of the Internet and new technologies, these dishes are gradually disappearing from our landscape. This work aims to evoke nostalgia and encourage reflection on the evolution of communication methods and our connection to others.

Concept

The installation consists of a dish mounted on a rotating base. Visitors can turn the dish to capture "echoes" from the past: audio recordings of family conversations and TV shows from the era when these dishes were ubiquitous. The orientation of the dish determines which audio file is played, creating an immersive and nostalgic interaction.

Artistic and Educational Objectives

1. **Reflection on Technological Evolution:** Show how communication methods have evolved and the impact of this evolution on our daily lives.
2. **Nostalgia and Memory:** Evoke memories associated with satellite dishes and moments shared with family in front of the television.
3. **Interactivity and Engagement:** Invite visitors to physically interact with the work to discover audio fragments from the past.

Materials Used

- **Satellite Dish:** Mounted on a rotating base to capture specific orientations.
- **Raspberry Pi:** Mini-computer responsible for managing sensors and playing audio files.
- **MPU-6050 Sensor:** Gyroscope and accelerometer to detect the orientation of the dish.
- **Speakers:** Play the audio recordings based on the dish's orientation.

- **Cabling and Connectors:** To connect the sensor and speakers to the Raspberry Pi.

Implementation Procedure

Installation of the Dish

1. Securely mount the dish on the rotating base.
2. Install the MPU-6050 sensor on the dish to detect movements.

Configuration of the Raspberry Pi

1. Connect the MPU-6050 sensor to the Raspberry Pi.
2. Place the Raspberry Pi in a secure enclosure behind the dish.

Configuration of the Audio System

1. Connect the speakers to the Raspberry Pi.
2. Test the audio playback to ensure proper functioning.

Operation of the Work

Interactivity with the Dish

1. Visitors turn the dish to explore different audio recordings.
2. Each specific orientation triggers a different audio file, creating a "radio tuning" effect.

Immersive Experience

1. The audio recordings evoke conversations and TV shows from the past, recreating a nostalgic atmosphere.

Usage Instructions for Mediators

Introduction to the Work

1. Briefly explain the concept of the installation to visitors: the dish captures "echoes" from the past based on its orientation.

Demonstration

1. Show how to turn the dish to change the audio recordings.
2. Encourage visitors to explore different orientations to discover various recordings.

Interaction with Visitors

1. Invite visitors to share their own memories or reflections on the evolution of communication methods.
2. Ask questions to stimulate discussion, such as "What memories do you have of satellite dishes?"

Precautions and Maintenance

1. **Handling the Dish:** Ensure the dish is handled gently to avoid damaging the sensor.
2. **Checking Connections:** Regularly check that all cables are properly connected and that the Raspberry Pi is functioning correctly.
3. **System Reset:** In case of malfunction, restart the Raspberry Pi and ensure all components are properly connected.

Conclusion

"Lost Echoes" is an interactive work that invites visitors to reflect on how communication technologies have evolved and the impact of these changes on our daily lives and relationships. By manipulating the dish, visitors can discover fragments of the past and connect with shared memories, creating a rich and immersive experience.

Croquis and Illustrations

Overview of the Installation

1. **Title:** "Lost Echoes"
2. **Idea:** Create an interactive installation using a dish to play nostalgic audio recordings.
3. **Objective:** Evoke memories and reflect on the evolution of communication methods.

Necessary Materials

1. **Satellite Dish:** Symbolizes connection and past communication.
2. **Raspberry Pi:** Manages sensors and audio playback.
3. **MPU-6050 Sensor:** Detects the orientation of the dish.
4. **Speakers:** Play the audio recordings.

Physical Installation

1. **Rotating Base:** Allows visitors to turn the dish.
2. **Enclosure for the Raspberry Pi:** Protects and hides the mini-computer behind the dish.
3. **Long Cabling:** Connects the sensor and speakers to the Raspberry Pi.
4. **Positioning:** The dish is placed in the center of the space, inviting interaction.

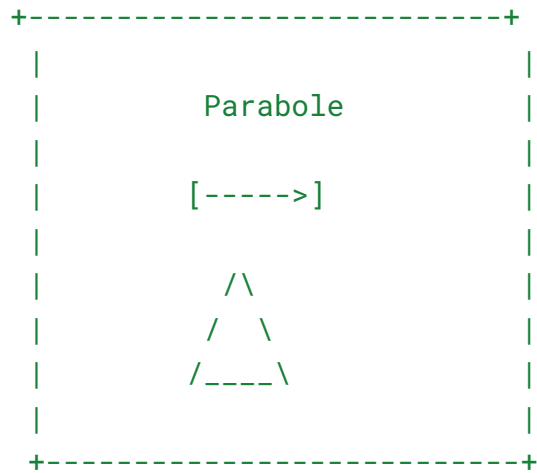
Operation of the Work

1. **Interactivity:** Visitors turn the dish to capture "echoes" from the past.
 2. **Audio Playback:** Each dish orientation triggers a specific audio file.
 3. **Nostalgic Atmosphere:** The recordings evoke family conversations and TV shows from the dish era.
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Sketches and Diagrams

Sketch 1: Overview of the Installation

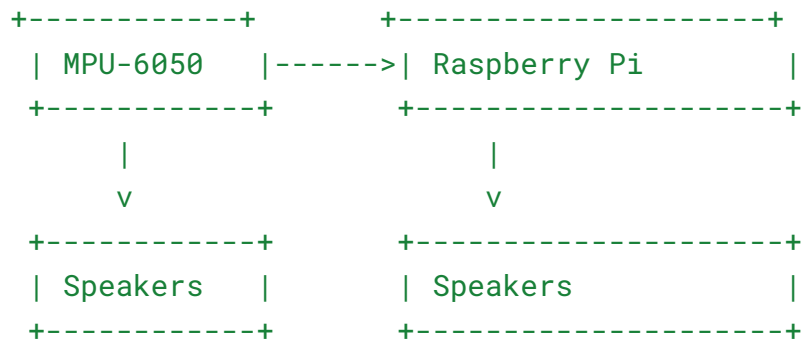
plaintext



- **Legend:** Dish mounted on a rotating base. Arrows indicate rotation possibilities. Raspberry Pi and cables hidden behind.

Sketch 2: Connection Diagram

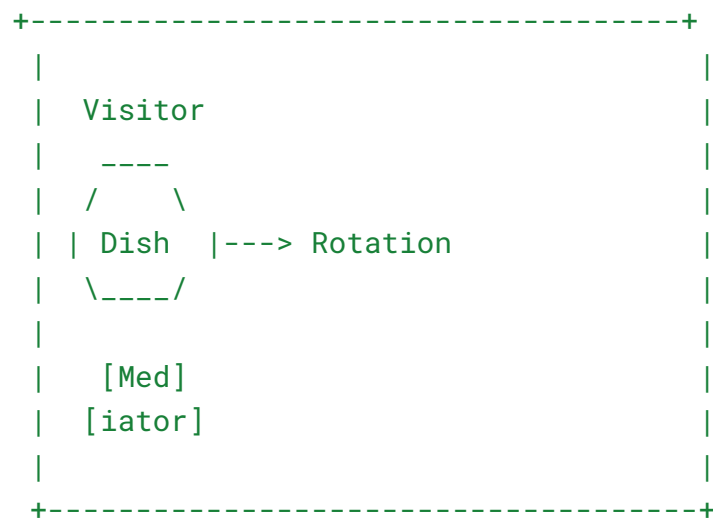
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- **Legend:** Connections between the MPU-6050 sensor and the Raspberry Pi. Connections of the speakers to the Raspberry Pi.

Sketch 3: Interaction with Visitors

plaintext

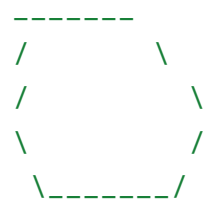


- **Legend:** Visitor turning the dish. Mediator explaining the work.
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Symbols for the Project

Symbol for the Dish

plaintext



- **Legend:** Dish - indicates the placement of the dish.

Symbol for Rotation

plaintext

```
<---0--->
```

- **Legend:** Rotation – indicates the possibility of turning the dish.

Symbol for Listening

plaintext

Copier le code

```
\ o o o /  
\ o o /  
 \ o /  
  \_ /
```

- **Legend:** Listening – shows that the dish allows listening to audio recordings.

Symbol for the Mediator

plaintext

```
[Med]  
[iator]
```

- **Legend:** Mediator – contact point for explanations and help.

Symbol for Audio Recordings

plaintext

```
/----\  
|Play |  
| > |  
\----/
```

- **Legend:** Recordings – indicates that audio recordings are played.

Symbol for Interaction

plaintext

```
[Press]
 [here]
```

- **Legend:** Interaction - invites visitors to interact with the dish.

Symbol for Directions

plaintext

```
^
< 0 >
v
```

- **Legend:** Directions - indicates the directions in which the dish can be turned.

Symbol for Instructions

plaintext

```
[Read]
 [this]
```

- **Legend:** Instructions - encourages visitors to read the provided instructions.
-

Layout of the Symbols

Here's a suggestion for placing these symbols around the installation:

plaintext

```
[Read]
  [this]
    ^
    |
<---0---Dish---0--->
    |
    v
  \ o o o /
   \ o o /
    \ o /
     \_ /
```

Instructions for Mediators

1. **Placing the Symbols:** Place the symbols visibly around the installation to guide young visitors.
2. **Using Bright Colors:** Use bright colors to attract children's attention.
3. **Simplifying Explanations:** Use simple language and short sentences to explain the interaction with the installation.

This document should help mediators understand and explain the "Lost Echoes" project, ensuring an immersive and educational experience for visitors. If you need further assistance or modifications, please let me know.