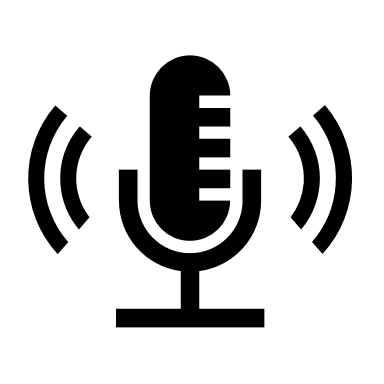
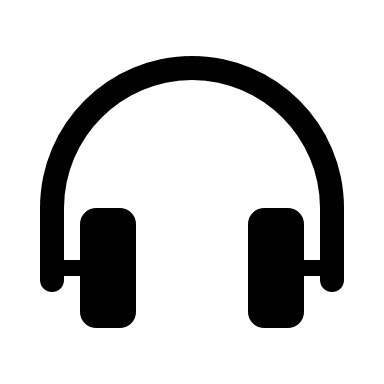
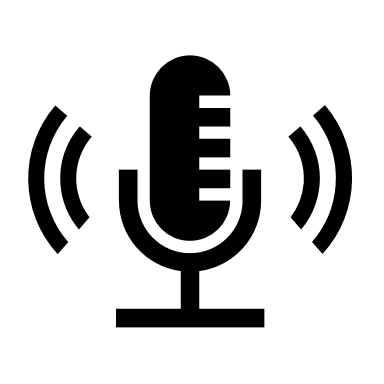
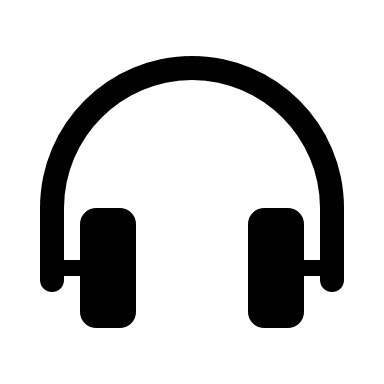
# **Design with RTSP Server Client**



**RPI#2**

RTSP Server#2

RTSP Client#2

**Linux**

**RPI#1**

RTSP Server#1

RTSP Client#1

**Command and Control for Communication**

RPI#1 Linux Box RPI#2

192.168.0.101 192.168.0.102

|  |  |  |
| --- | --- | --- |
| IP - 192.168.0.101:1234 | 1. Stream 192.168.0.101:1234 192.168.0.102:1234   **Main Thread** | IP - 192.168.0.102:1234 |
| 1. Receive CMD -   Stream 192.168.0.101:1234 192.168.0.102:1234   1. Parse the command  * Start RTSP Server#1 with Microphone Input #1 * Send RTSP Server Started to Linux BOX, with RTSP Link  1. Receive CMD - Start RTSP Client#1  * Join RTSP\_SERVER#2 | * Receive CMD – RTSP Server#1 Started. RTSP LINK * Receive CMD – RTSP Server#2 Started. RTSP LINK * Send CMD – Start RTSP Client#1 to RPI#1, sending RTSP Server#2 Link to join * Send CMD – Start RTSP Client#1 to RPI#1, sending RTSP Server#2 Link to join | 1. Receive CMD -   Stream 192.168.0.101:1234 192.168.0.102:1234   1. Parse the command  * Start RTSP Server#2 with Microphone Input #2 * Send RTSP Server Started to Linux BOX, with RTSP Link  1. Receive CMD - Start RTSP Client#2  * Join RTSP\_SERVER#1 |

RPI#1 Linux Box Linux Box

192.168.0.101 local local

|  |  |  |
| --- | --- | --- |
| IP - 192.168.0.101:1234 | 1. Stream 192.168.0.101:1234 local   **Main Thread** | Local – **Second Thread** |
| 1. Receive CMD -   Stream 192.168.0.101:1234 192.168.0.102:1234   1. Parse the command  * Start RTSP Server#1 with Microphone Input #1 * Send RTSP Server Started to Linux BOX, with RTSP Link  1. Receive CMD - Start RTSP Client#1  * Join RTSP\_SERVER#2 | * Receive CMD – RTSP Server#1 Started. RTSP LINK * Receive CMD – RTSP Server#2 Started. RTSP LINK * Send CMD – Start RTSP Client#1 to RPI#1, sending RTSP Server#2 Link to join * Send CMD – Start RTSP Client#1 to RPI#1, sending RTSP Server#2 Link to join | 1. Receive CMD -   Stream 192.168.0.101:1234 192.168.0.102:1234   1. Parse the command  * Start RTSP Server#2 with Microphone Input #2 * Send RTSP Server Started to Linux BOX, with RTSP Link  1. Receive CMD - Start RTSP Client#2  * Join RTSP\_SERVER#1 |