



Automatic Camera Tracking Station

CAMTRACK-3C / CAMTRACK-6C / CAMTRACK-8C

Camera Tracking Station

User Operation Manual

VERSION: V1.0.1

IMPORTANT SAFETY INSTRUCTIONS

1. READ these instructions.
2. KEEP these instructions.
3. HEED all warnings.
4. FOLLOW all instructions.
5. DO NOT use this apparatus near water.
6. CLEAN ONLY with dry cloth.
7. DO NOT block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. DO NOT install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. DO NOT defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wider blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. PROTECT the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. ONLY USE attachments/accessories specified by the manufacturer.
12. USE ONLY with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. UNPLUG this apparatus during lightning storms or when unused for long periods of time.
14. REFER all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. DO NOT expose this apparatus to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the apparatus.
16. To completely disconnect this apparatus from the AC Mains, disconnect the power supply cord plug from the AC receptacle.
17. Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
18. DO NOT overload wall outlets or extension cords beyond their rated capacity as this can cause electric shock or fire.



The exclamation point, within an equilateral triangle, is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electrical shock to persons.



ESD Warning: The icon to the left indicates text regarding potential danger associated with the discharge of static electricity from an outside source (such as human hands) into an integrated circuit, often resulting in damage to the circuit.

WARNING: To reduce the risk of fire or electrical shock, do not expose this apparatus to rain or moisture.

WARNING: No naked flame sources - such as candles - should be placed on the product.

WARNING: Equipment shall be connected to a MAINS socket outlet with a protective earthing connection.

WARNING: To reduce the risk of electric shock, grounding of the center pin of this plug must be maintained.

Reproduction or disassembly of embodied computer programs or algorithms is expressly prohibited.

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1. Introduction

What is the Camera Tracking System?

The Camera Tracking System is a smart device that acts as a bridge between your conference microphones and your cameras. You do not need a complex computer or extra software to run it.

How does it work?

Imagine a virtual director. When a person in the conference room presses their microphone button to speak, this system instantly tells the camera to zoom in on that specific seat.

Key Features:

- **Automatic Tracking:** Cameras automatically focus on active speakers.
- **Live Monitoring:** View a digital map of your room to see who is speaking.
- **Web-Based:** Control everything from a web browser (Chrome, Edge, Safari) without installing apps.

2. Getting Started

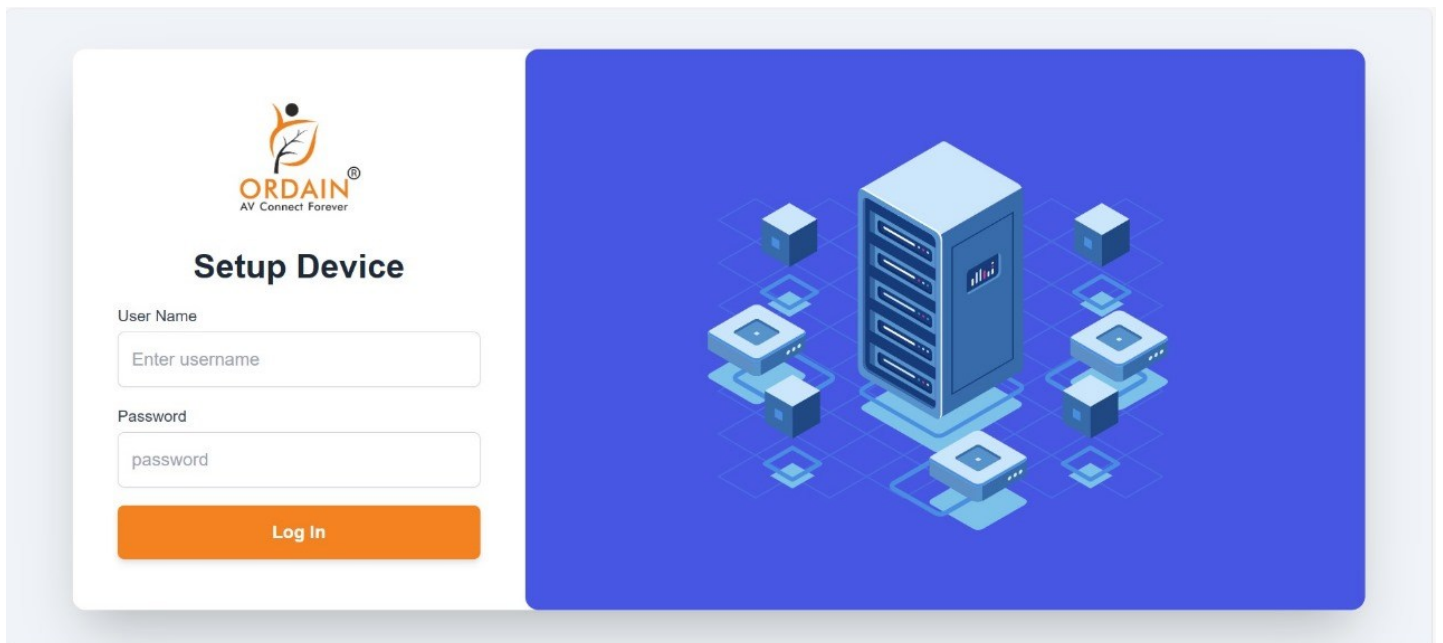
Before you begin, ensure the Camera Tracking Device is powered on and connected to the same network as your Conference Controller and Cameras.

System Requirements

- A device (Laptop/Tablet) connected to the network.
- A web browser (Google Chrome, Microsoft Edge, Firefox, or Safari).
- The IP address of the Ordain Device (Default is usually provided on the device label, e.g., 192.168.1.18 or 192.168.1.50).

How to Login

- ⇒ Open your web browser.
- ⇒ Type the Device IP address in the address bar and press Enter.
- ⇒ You will see the **Setup Device** login screen.
- ⇒ Enter your credentials:
 - **User Name:** admin (Default)
 - **Password:** admin (Default)
 - Click the orange **Log In** button.



Description: Login screen showing the Ordain logo, User Name field, Password field, and Orange "Log In" button.

- **Important:** For security, please change your password immediately after your first login (see Page 10).

3. The Dashboard

Once logged in, you will see the **Dashboard**. This is your "Home Base." It gives you a quick health check of the entire system.

What to look for:

- **Conference Controller:** Shows if your microphone system is connected. Look for the green text "CONNECTED."
- **Camera Configuration:** Shows how many cameras are set up and if they are ready.
- **System IP:** Displays the current network address of this device.

The screenshot shows the 'Camera Tracking Station' dashboard. At the top, there is a navigation bar with the ORDAIN logo, the title 'Camera Tracking Station', and a user profile for 'admin'. A dark sidebar on the left contains navigation icons for Home, Setup, Mapping, and Monitor. The main content area is divided into two sections. The left section features the ORDAIN logo and a 'Welcome, Administrator' message with the current IP address '192.168.1.18'. The right section contains two status panels. The first panel, '1 CONFERENCE CONTROLLER', displays the model 'D-CERNO AE', host IP '192.168.1.7', and a 'CONNECTED' status. The second panel, '2 CAMERA CONFIGURATION', displays '3' total cameras, 'SOLVISION, LUMENS' brands detected, and a 'READY' tracking engine status.

Description: Dashboard showing "Welcome Administrator," "Conference Controller" status on the right, and "Camera Configuration" status below it.

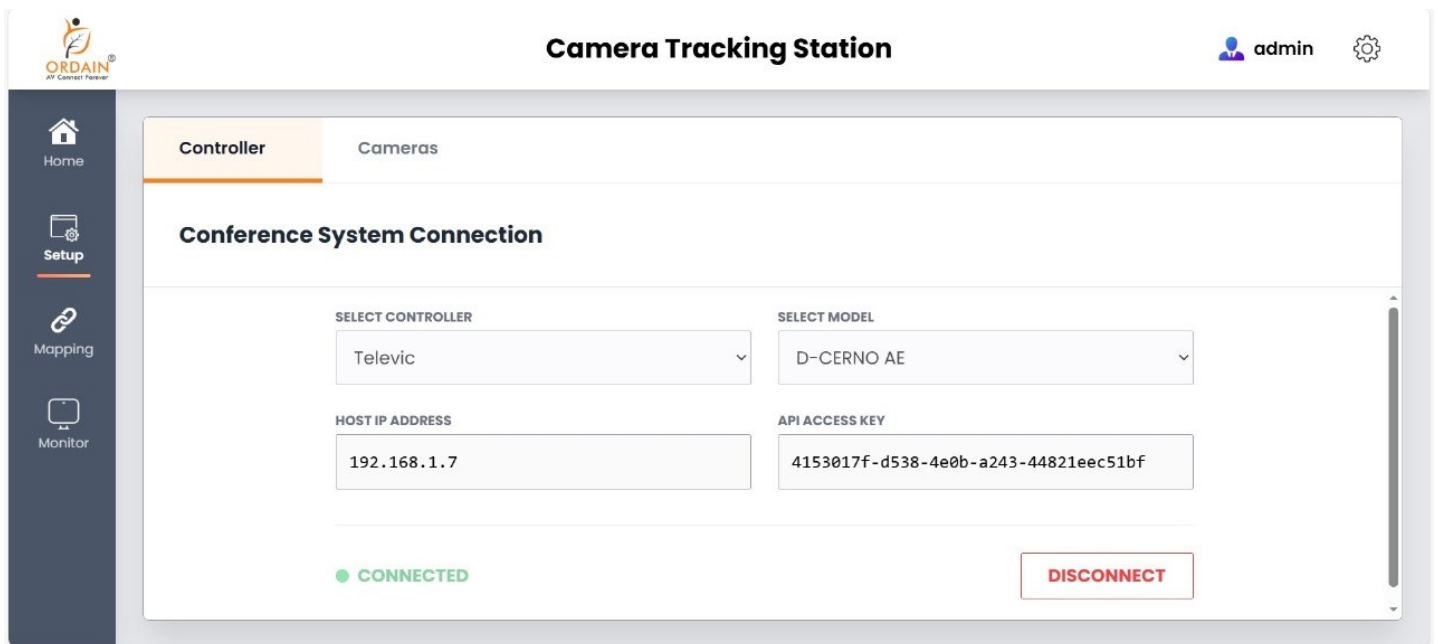
Navigation Sidebar (Left):

- **Home:** Returns to this dashboard.
- **Setup:** Where you connect hardware (Controllers and Cameras).
- **Mapping:** Where you link specific mics to specific camera angles.
- **Monitor:** A visual floor plan view of the live meeting.

4. Step 1: Connecting the Conference System

To make the cameras move, the system first needs to "talk" to your microphones.

1. Click the **Setup** tab on the left sidebar.
2. Ensure you are on the **Controller** tab (top left of the white window).
3. **Select Controller:** Choose your brand (e.g., Televic).
4. **Select Model:** Choose your specific hardware model (e.g., D-CERNO AE, PLIXUS).
5. **Host IP Address:** Type in the IP address of your conference main unit.
6. **API Access Key:**
 - *Note:* Some models (like D-CERNO CUR) do not need this.
 - If required, enter the security key provided by your conference system administrator.
 - Click the **CONNECT** button.



The screenshot displays the 'Camera Tracking Station' web interface. At the top, the title 'Camera Tracking Station' is centered, with a user profile 'admin' and a settings gear icon on the right. The left sidebar contains navigation icons for Home, Setup, Mapping, and Monitor. The main content area is titled 'Conference System Connection' and features two tabs: 'Controller' (active) and 'Cameras'. Below the tabs, there are four input fields: 'SELECT CONTROLLER' (dropdown menu with 'Televic' selected), 'SELECT MODEL' (dropdown menu with 'D-CERNO AE' selected), 'HOST IP ADDRESS' (text input with '192.168.1.7'), and 'API ACCESS KEY' (text input with '4153017f-d538-4e0b-a243-44821eec51bf'). At the bottom left, a green dot and the word 'CONNECTED' indicate the system status. At the bottom right, there is a red 'DISCONNECT' button.

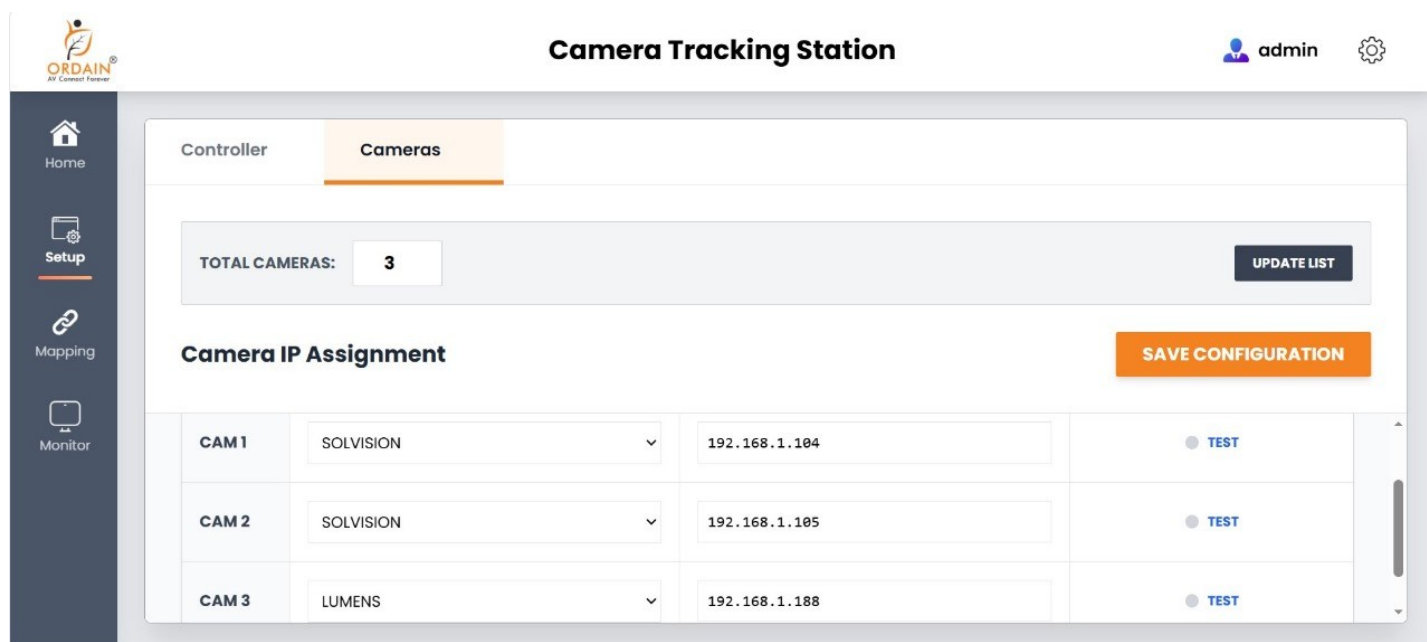
Description: Setup screen showing dropdowns for "Select Controller" and "Select Model," along with IP fields and a "Disconnect/Connect" button.

- **Success Check:** Look for the green dot and the word **CONNECTED**

5. Step 2: Configuring Cameras

Now that the microphones are connected, tell the system about your cameras.

1. Stay in the **Setup** menu, but click the **Cameras** tab at the top.
2. **Total Cameras:** Enter the number of PTZ cameras you are using (1 to 3). Click **Update List**.
3. **Enter Camera Details:**
 - **Brand:** Select your camera brand (e.g., Lumens, Sony, Panasonic).
 - **IP Address:** Type the IP address for that specific camera.
 - **Test the Connection:** Click the small **TEST** button next to each camera row.
 - **Green Dot:** Success! The system can see the camera.
 - **Red Dot:** Connection failed. Check the IP address and network cables.
 - Click the orange **SAVE CONFIGURATION** button.



The screenshot shows the 'Camera Tracking Station' web interface. At the top, there is a navigation bar with the 'ORDAIN' logo on the left, the title 'Camera Tracking Station' in the center, and a user profile 'admin' with a settings gear icon on the right. A dark sidebar on the left contains navigation icons for 'Home', 'Setup', 'Mapping', and 'Monitor'. The main content area has two tabs: 'Controller' and 'Cameras', with 'Cameras' being the active tab. Below the tabs, there is a summary section showing 'TOTAL CAMERAS: 3' and an 'UPDATE LIST' button. Underneath is the 'Camera IP Assignment' section, which includes a 'SAVE CONFIGURATION' button and a table with three rows of camera data.

Camera ID	Brand	IP Address	Action
CAM 1	SOLVISION	192.168.1.104	TEST
CAM 2	SOLVISION	192.168.1.105	TEST
CAM 3	LUMENS	192.168.1.188	TEST

Description: Screen showing a list of cameras (CAM 1, CAM 2, CAM 3) with brand dropdowns, IP address fields, and "Test" buttons.

6. Step 3: Microphone Mapping (The Logic)

This is the most important step. This is where you tell the system: "When Seat 1 speaks, Camera 1 should move to Preset 0."

- ⇒ Click the **Mapping** tab on the left sidebar.
- ⇒ The system will list all microphones found. If the list is empty, look for a **Refresh** button.
- ⇒ **Identify the Seat:**
- ⇒ Click the **Seat Number** button on the screen.

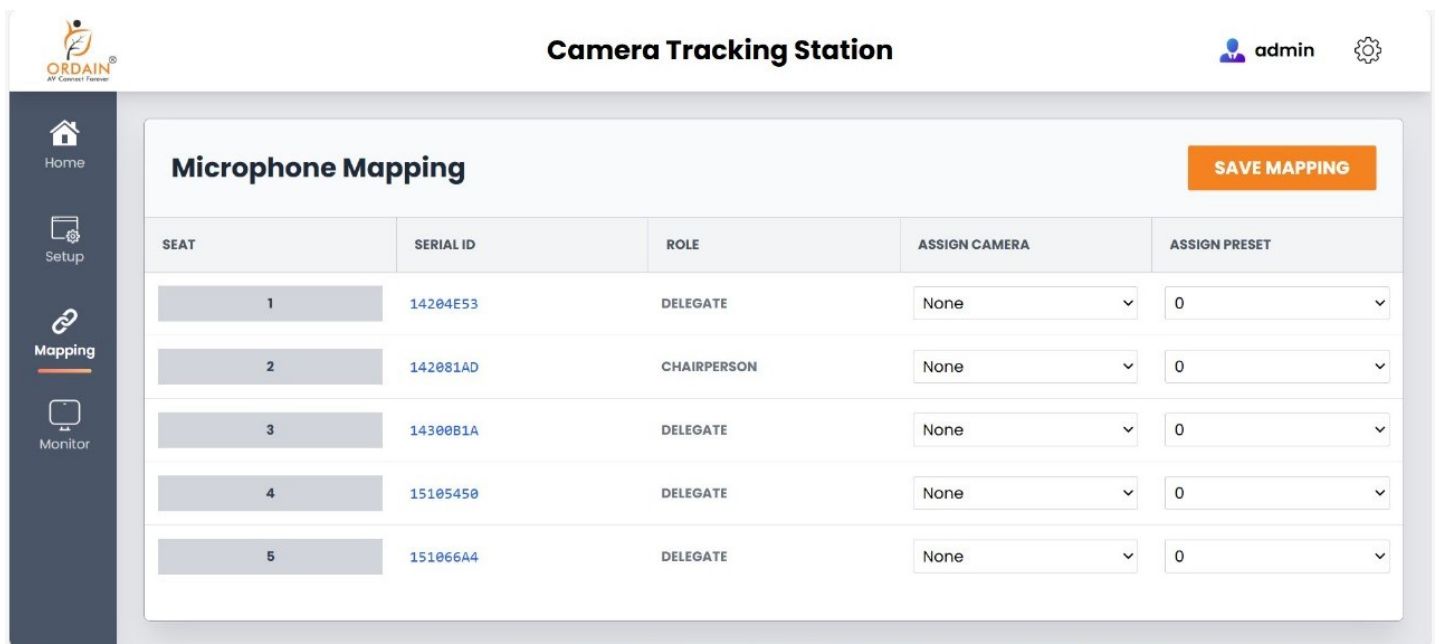
Pro Tip: Watch the physical microphones in the room. The light on the microphone unit will toggle/blink so you know which serial number belongs to which physical seat

- ⇒ **Assign Camera:** Use the dropdown to pick which camera should film this seat (e.g., Camera 1).
- ⇒ **Assign Preset:** Select the Preset Number (0-100) you saved on the camera for this person.

Note: You must set these presets on the camera itself beforehand using the camera's remote or software.

Repeat this for every microphone in the list.

- ⇒ Click **SAVE MAPPING**.



The screenshot shows the 'Camera Tracking Station' interface. At the top, there is a logo for 'ORDAIN' and the title 'Camera Tracking Station'. On the right, there is a user profile 'admin' and a settings gear icon. A sidebar on the left contains navigation options: 'Home', 'Setup', 'Mapping' (which is highlighted), and 'Monitor'. The main content area is titled 'Microphone Mapping' and features a table with five rows of microphone data. Each row has columns for 'SEAT', 'SERIAL ID', 'ROLE', 'ASSIGN CAMERA', and 'ASSIGN PRESET'. The 'ASSIGN CAMERA' and 'ASSIGN PRESET' columns contain dropdown menus, all currently set to 'None' and '0' respectively. An orange 'SAVE MAPPING' button is located in the top right corner of the table area.

SEAT	SERIAL ID	ROLE	ASSIGN CAMERA	ASSIGN PRESET
1	14204E53	DELEGATE	None	0
2	142081AD	CHAIRPERSON	None	0
3	14300B1A	DELEGATE	None	0
4	15105450	DELEGATE	None	0
5	151066A4	DELEGATE	None	0

Description: A table showing Seat numbers, Serial IDs, Roles (Delegate/Chairperson), and dropdowns for Assign Camera and Assign Preset.

7. Live Visual Monitoring (Floor Plan)

The **Monitor** tab allows you to upload a picture of your room layout and see active speakers on a map.

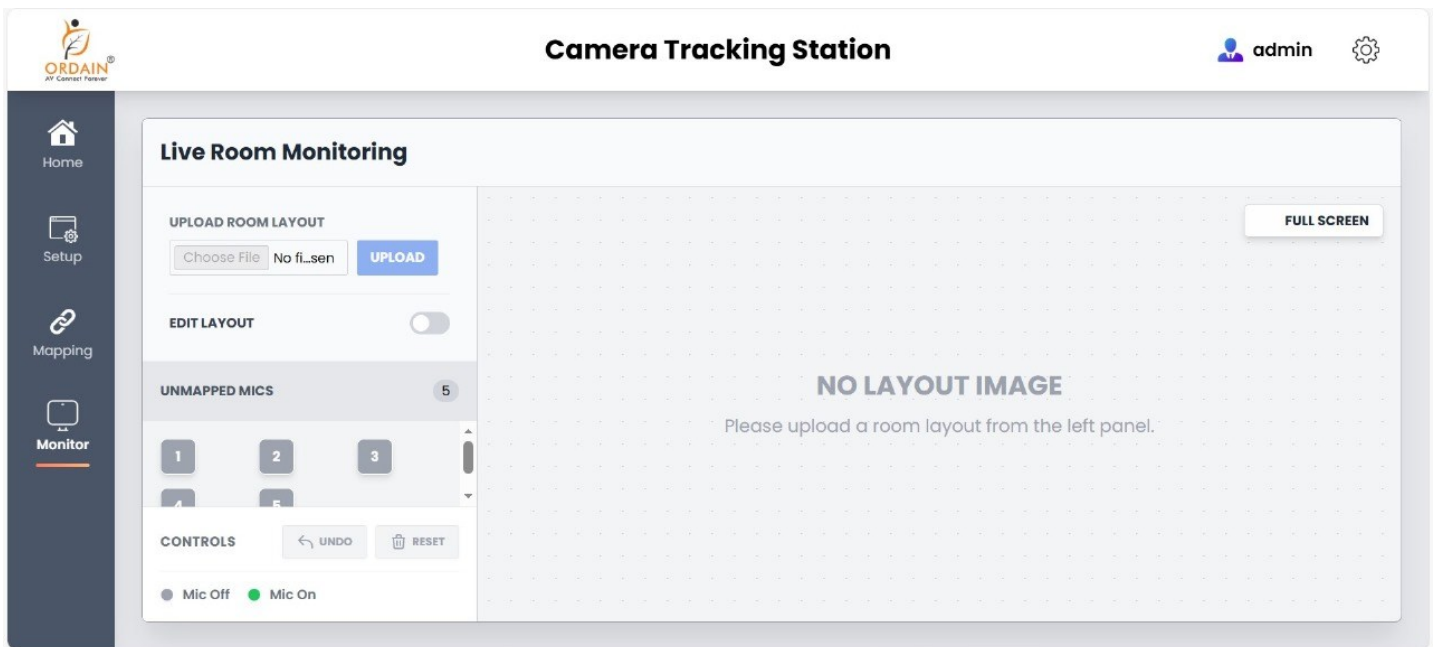
How to Set it Up:

- ⇒ Go to the **Monitor** tab.
- ⇒ **Upload Layout:** Click "Upload Room Layout" and select a floor plan image (JPG or PNG) from your computer.
- ⇒ **Enable Edit Mode:** Toggle the switch to **ON**.
- ⇒ **Drag & Drop:**
- ⇒ You will see a list of "Unmapped Mics" on the left.
- ⇒ Drag the numbered squares onto your floor plan image, placing them exactly where the seats are in the room.
- ⇒ **Finish:** Toggle Edit Mode to **OFF**. The icons are now locked in place.

How to Use it Live:

- **Grey Seat:** Microphone is Muted/Off.
- **Green Seat:** Microphone is Active (The camera is currently looking here).

Description: A visual interface with a "Mic Palette" on the left and a large area to the right for the floor



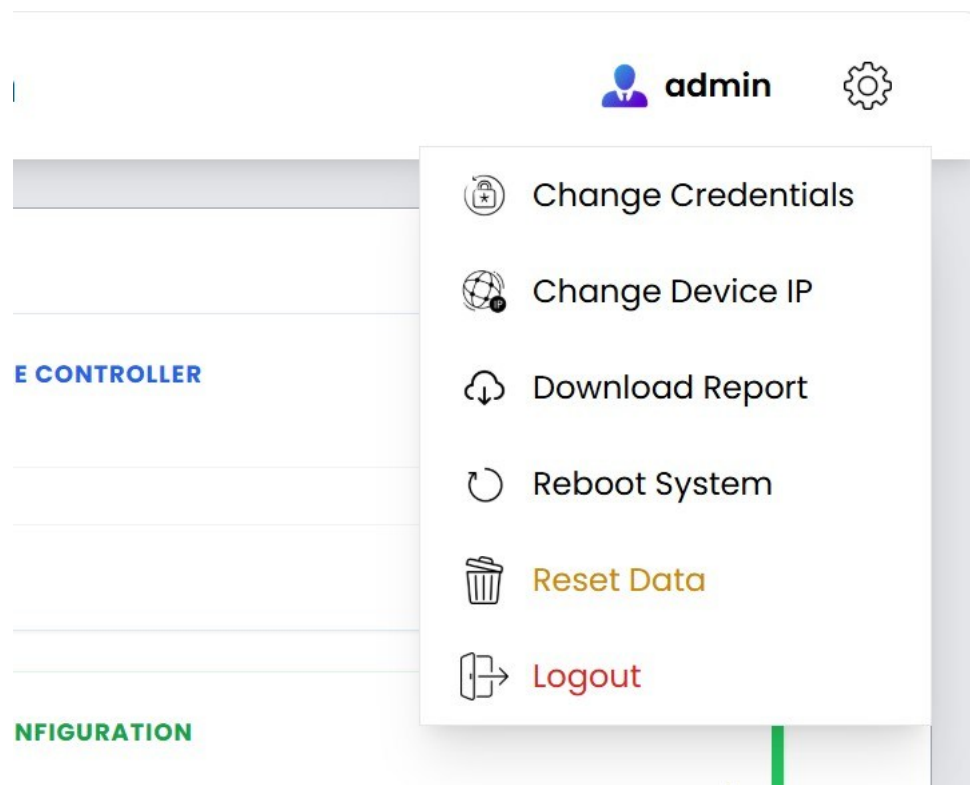
plan image.

8. System Settings & Administration

To access advanced settings, click the **Gear Icon** in the top right corner of the screen.

Available Options:

- ⇒ **Change Credentials:** Use this to update your Admin username and password. *Highly recommended for security.*
- ⇒ **Change Device IP:** Modify the Network IP, Subnet Mask, and Gateway.
- ⇒ *Warning:* Changing this will reboot the system, and you will need the new IP to log in again.
- ⇒ **Download Report:** Saves a CSV (Excel) file of your current configuration and mappings. *Good for backups.*
- ⇒ **Reboot System:** Safely restarts the device.
- ⇒ **Reset Data:**
 - **DANGER:** This acts as a Factory Reset. It will delete all your mappings, camera setups, and floor plans. Only use this if you want to start over completely.



Description: A dropdown menu showing options for Change Credentials, Change Device IP, Download Report, Reboot System, Reset Data, and Logout.

9. Troubleshooting & Best Practices

Troubleshooting Guide

Issue	Possible Cause	Solution
Controller Status is Red	Network Error	Check that the IP address is correct. Ensure the Ordain device and Controller are on the same network range.
Camera Test Fails (Red Dot)	Wrong Camera IP	Verify the camera IP in the Setup tab matches the actual camera settings.
Camera Doesn't Move	Wrong Preset ID	Ensure the preset number (e.g., 1) entered in the Mapping tab matches the preset saved on the physical camera.
No Image in Monitor Tab	No Upload	You must upload a .JPG or .PNG floor plan image in "Edit Mode" first.

Best Practices

- ⇒ **Regular Backups:** Before making major changes, use "Download Report" to save your current settings.
- ⇒ **Documentation:** Keep a written record of your Camera IPs and Conference Controller IP.
- ⇒ **Security:** Change the default 'admin' password immediately to prevent unauthorized access.
- ⇒ **Testing:** After mapping, test a few microphones by pressing their buttons to ensure the camera moves correctly.