



Wireless Console

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MWC Software

Quick Start

Introduction

In response to the need for integrated wireless system management, we have developed a new software management interface for the ACT-800 Series and ACT-700 Series, known as MWC (MIPRO Wireless Console). With the current hardware in place, there is no requirement for additional accessories, ensuring a more user-friendly operational experience and a more efficient workflow.

Notices:

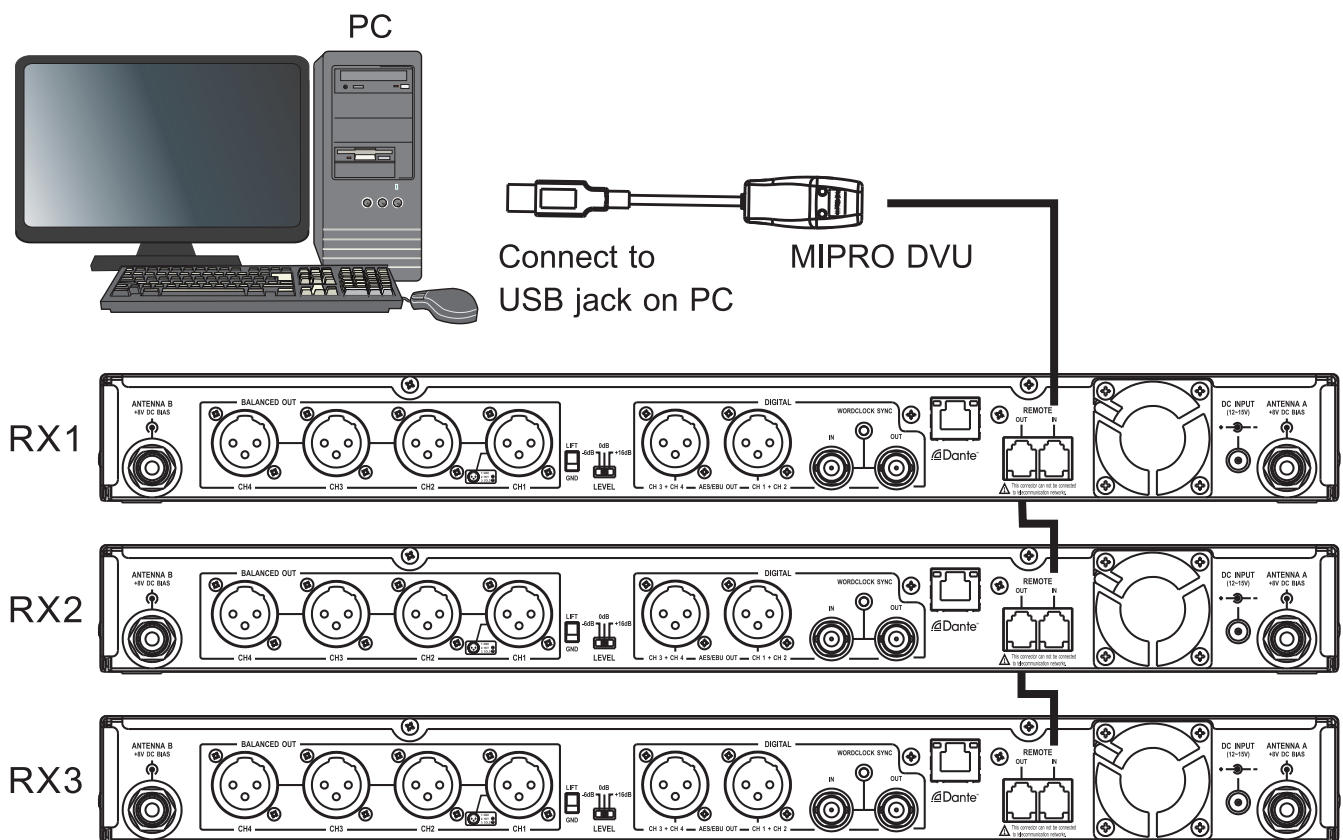
- Supported Products: ACT-800 Series, ACT-700 Series
- Hardware Requirements: MIPRO DVU
- Supported OS:
 - Windows: Win 11, Win 10, Win 8
 - macOS: 13.5.2, supporting the M1 system
- Maximum Capacity: 64 channels

Operational Instructions

Before you begin, follow these necessary steps:

1. Connection

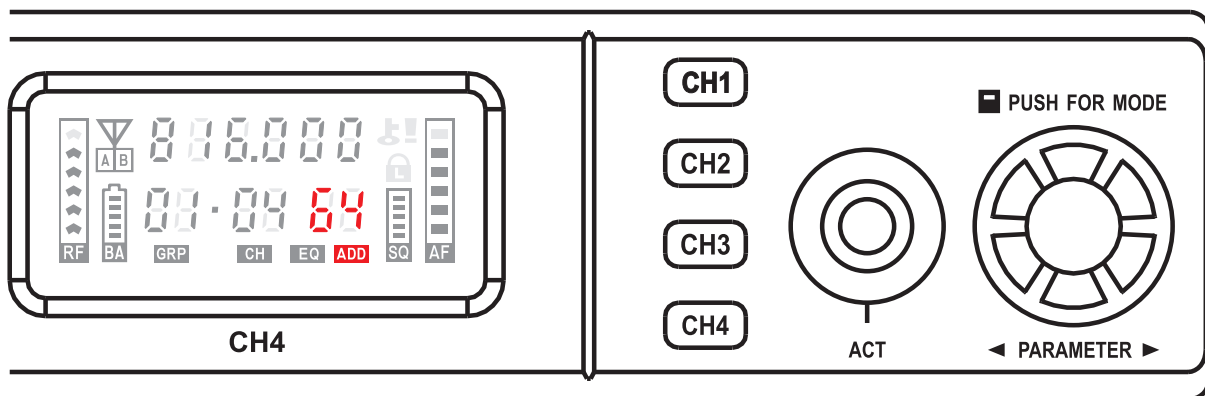
Connect the device to your laptop using the MIPRO DVU interface through an RJ-11 cable.



! Note: The Maximum Capacity: 64 channels

2. Setting ADD

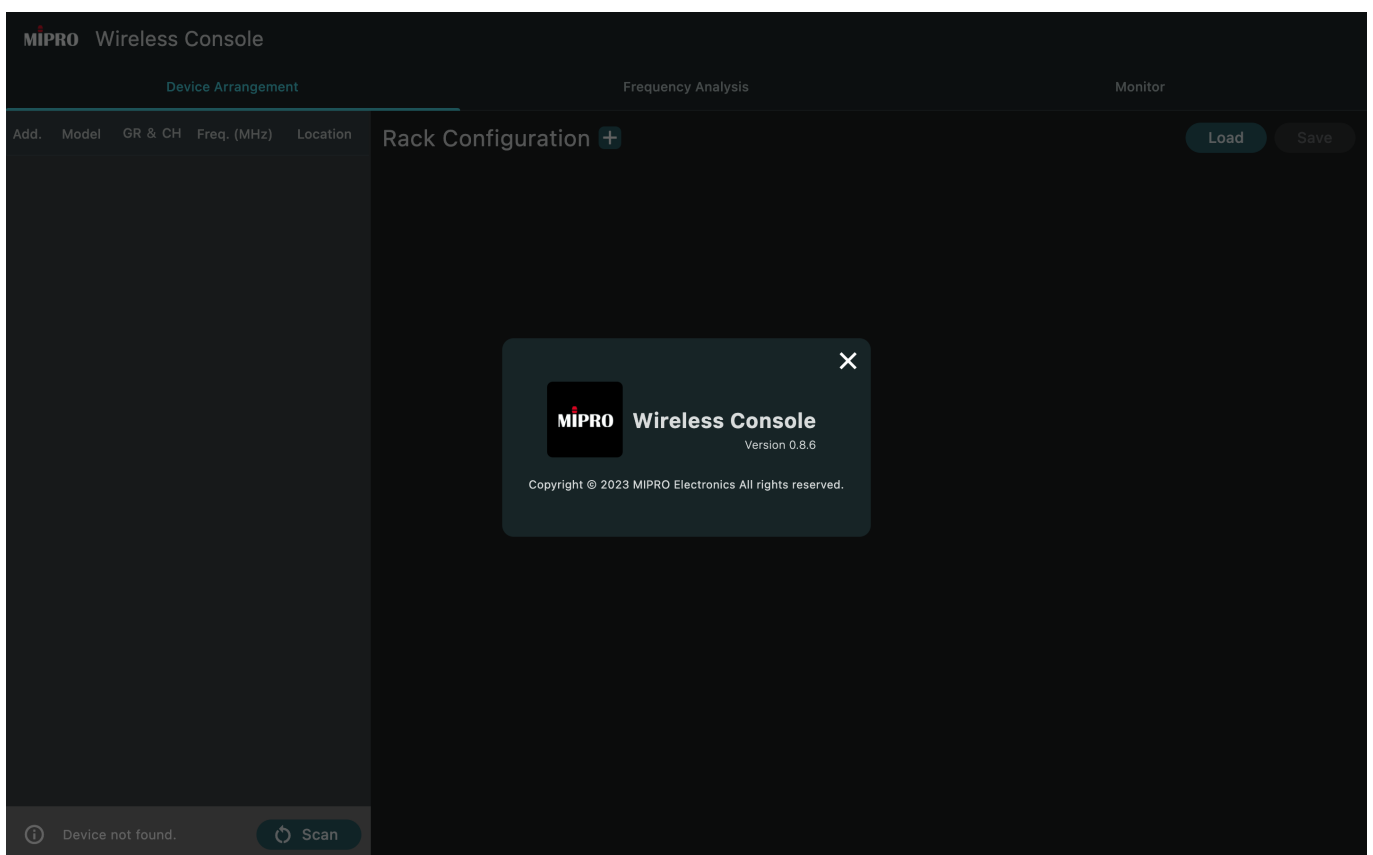
Set the ID-code for each channel and ensure each channel has a unique number.



! **Note:** The Maximum Capacity: 64 channels

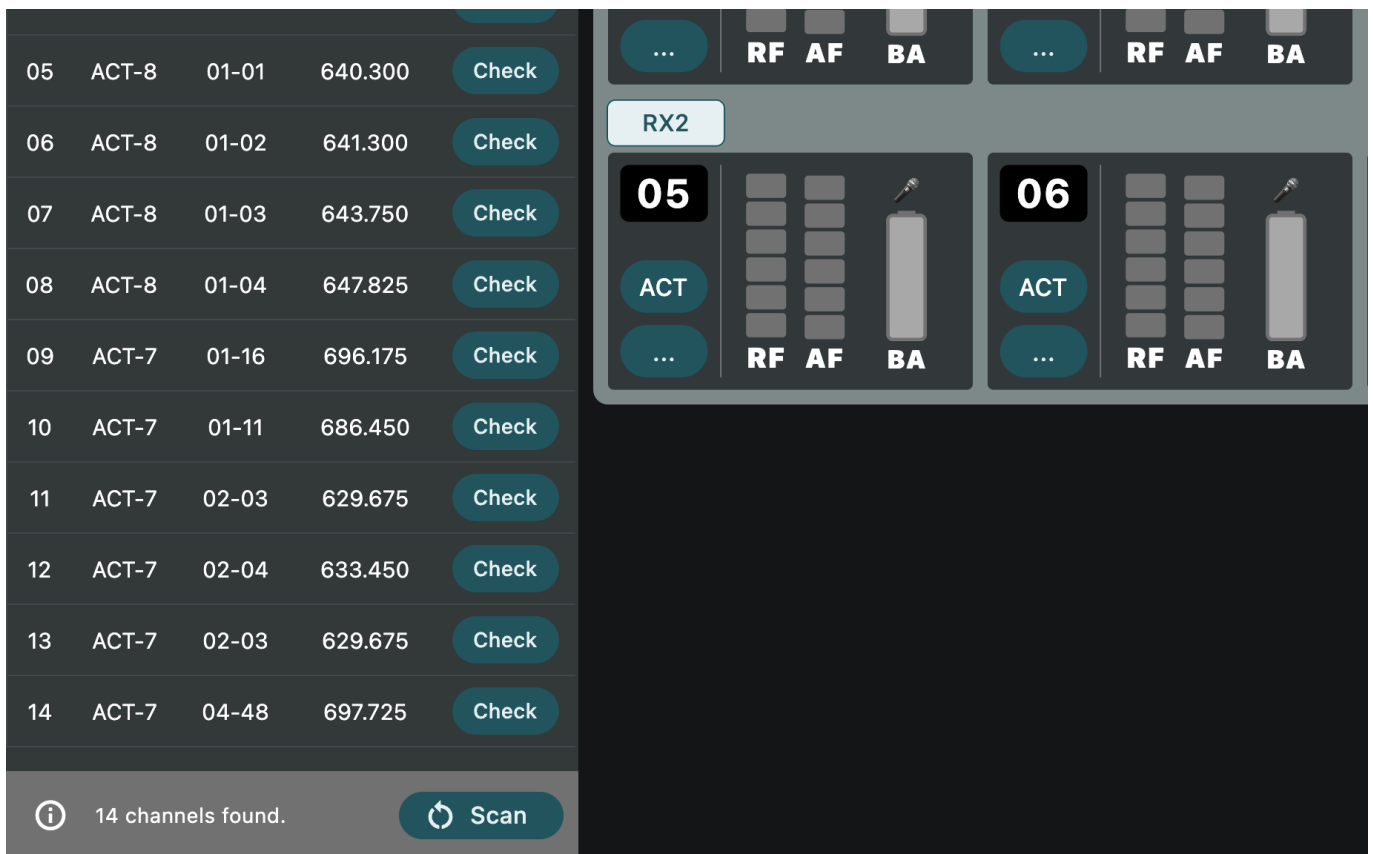
3. Check Your Firmware Version

Click on  at the top to check your firmware version.



4. Click on

Check all the devices online and prepare to manage your system.



05	ACT-8	01-01	640.300	Check
06	ACT-8	01-02	641.300	Check
07	ACT-8	01-03	643.750	Check
08	ACT-8	01-04	647.825	Check
09	ACT-7	01-16	696.175	Check
10	ACT-7	01-11	686.450	Check
11	ACT-7	02-03	629.675	Check
12	ACT-7	02-04	633.450	Check
13	ACT-7	02-03	629.675	Check
14	ACT-7	04-48	697.725	Check

14 channels found. 

 **Note:** When devices are online, all panel controls will be locked.

Features

MWC comprises three main parts. You can set up the MIPRO wireless system using the following simple steps:

1. Device Arrangement

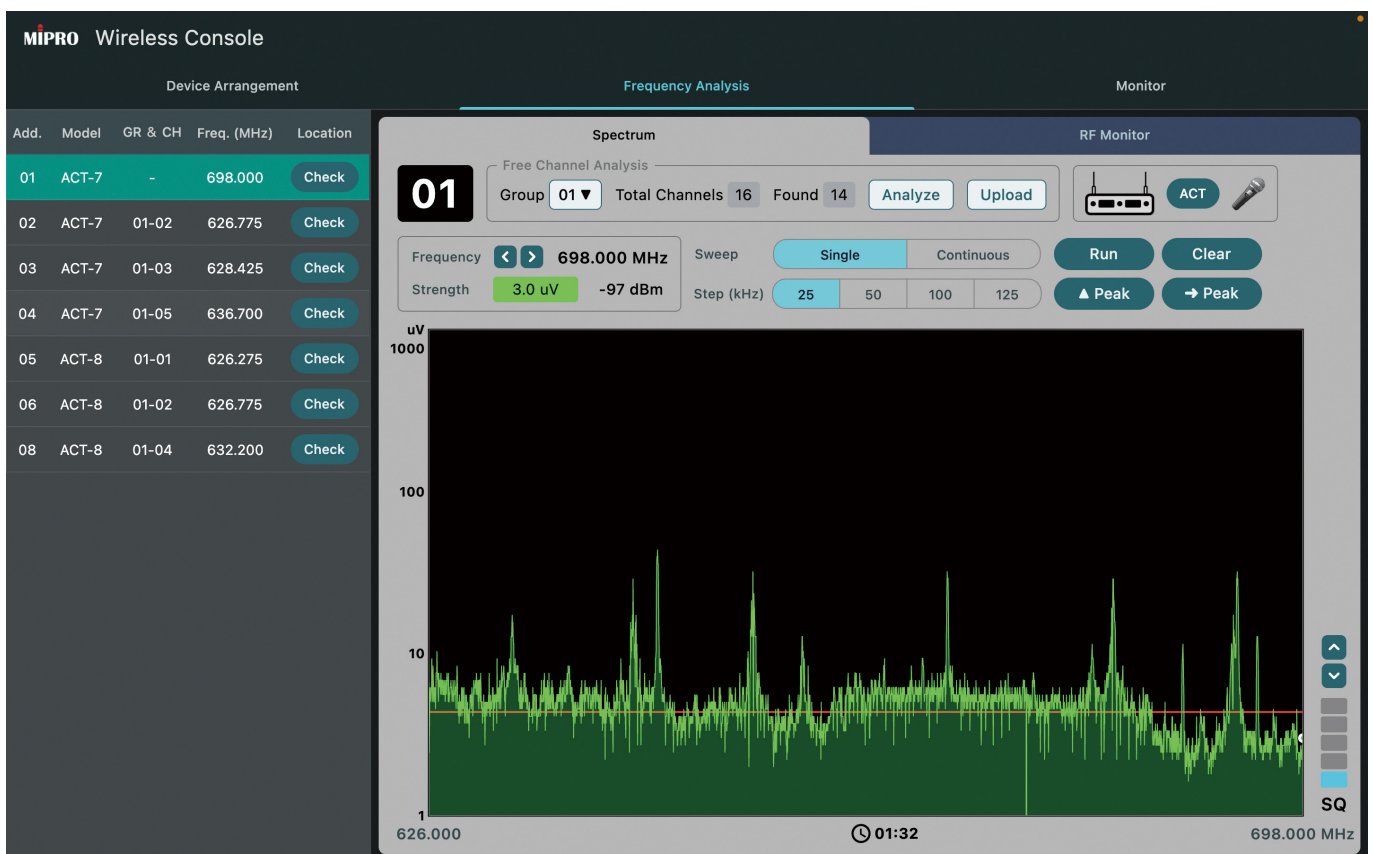
This interface is designed to simulate real-life setup scenarios, making it easier for you to identify each device.

The screenshot displays the MIPRO Wireless Console interface, divided into three main sections: Device Arrangement, Frequency Analysis, and Monitor. The Device Arrangement section on the left contains a table with 8 rows of device information. The main area on the right is titled 'Rack Configuration' and shows three racks (RACK1, RACK2, RACK3) with various device slots. Each slot contains a device icon with an 'ACT' button and a '...' menu. The bottom left corner shows '8 channels found.' and a 'Scan' button.

Add.	Model	GR & CH	Freq. (MHz)	Location
01	ACT-7	01-01	626.275	Check
02	ACT-7	01-02	626.775	Check
03	ACT-7	01-03	628.425	Check
04	ACT-7	01-05	636.700	Check
05	ACT-8	01-01	626.275	Check
06	ACT-8	01-02	626.775	Check
07	ACT-8	01-03	628.425	Check
08	ACT-8	01-04	632.200	Check

2. Frequency Analysis

This interface's most crucial feature allows you to check background RF noise to ensure the proper functioning of all devices.



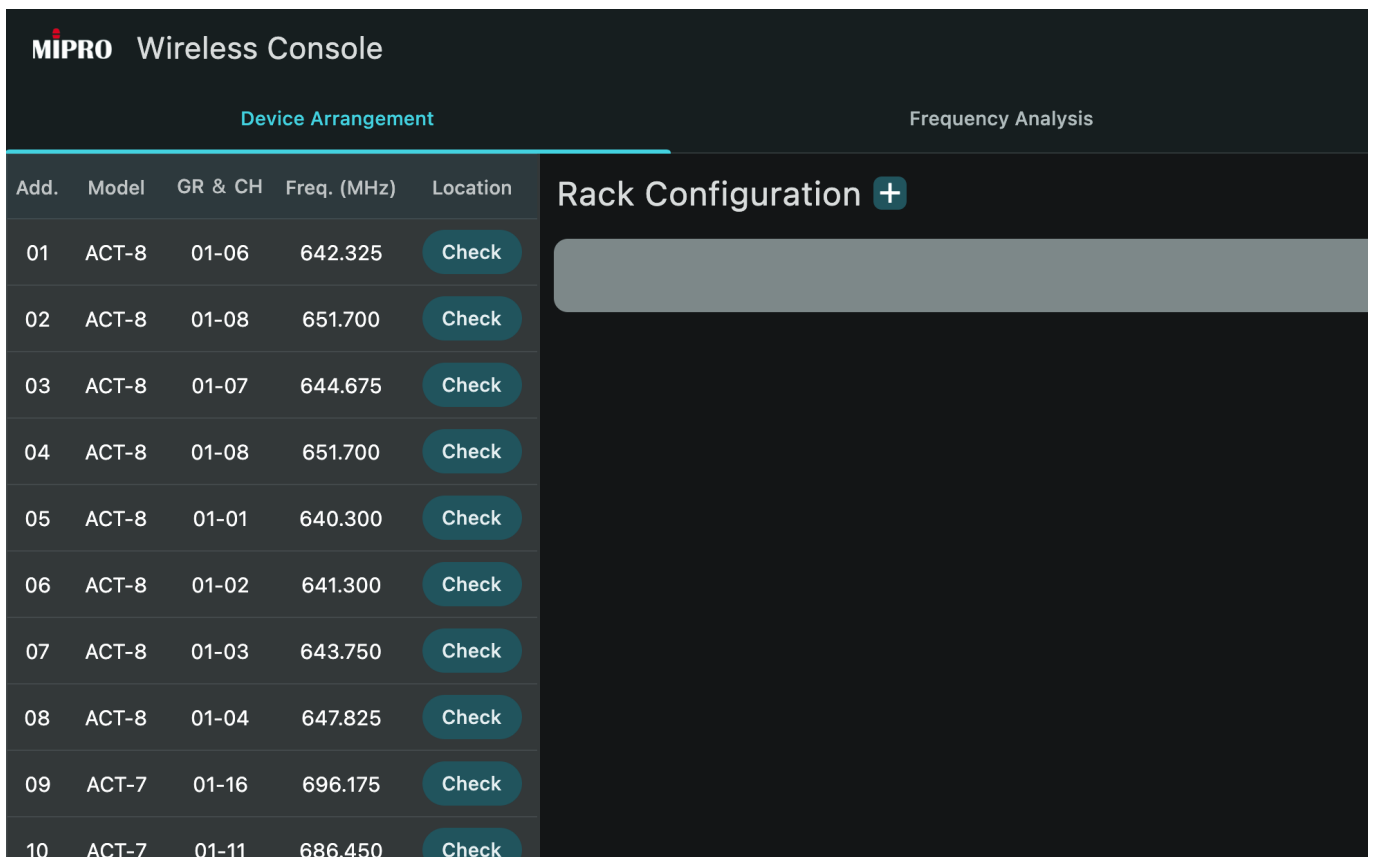
3. Monitor

You have the flexibility to monitor all your devices within this interface or focus on specific devices as needed.



Device Arrangement: Build Your Virtual System

1. Click on **+** to set up your RACK to match the actual configuration.



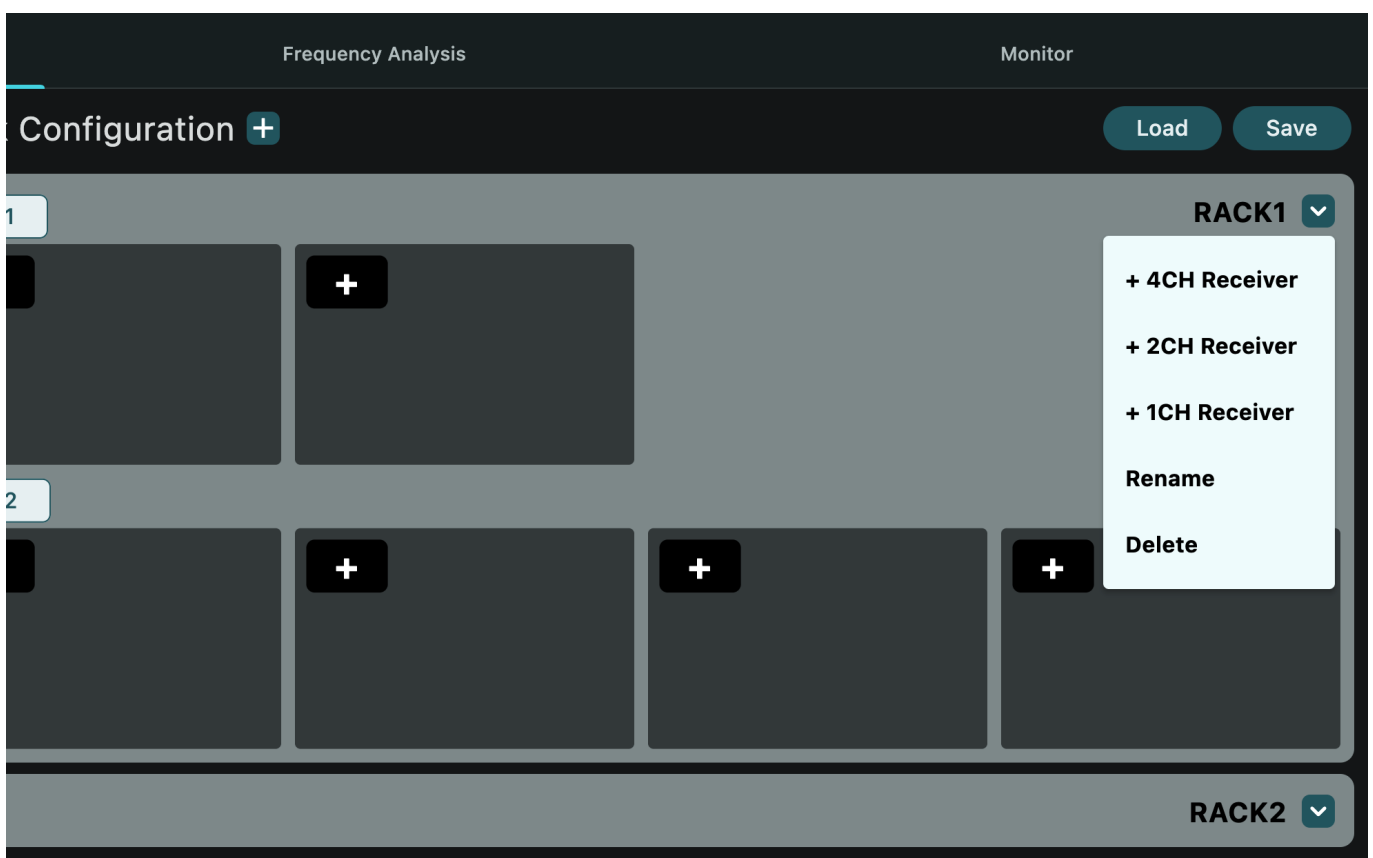
The screenshot displays the MIPRO Wireless Console interface. The top navigation bar includes the MIPRO logo and the text "Wireless Console". Below this, there are two tabs: "Device Arrangement" (which is active) and "Frequency Analysis".

The "Device Arrangement" tab contains a table with the following columns: "Add.", "Model", "GR & CH", "Freq. (MHz)", and "Location". Each row in the table includes a "Check" button in the "Location" column.

Add.	Model	GR & CH	Freq. (MHz)	Location
01	ACT-8	01-06	642.325	Check
02	ACT-8	01-08	651.700	Check
03	ACT-8	01-07	644.675	Check
04	ACT-8	01-08	651.700	Check
05	ACT-8	01-01	640.300	Check
06	ACT-8	01-02	641.300	Check
07	ACT-8	01-03	643.750	Check
08	ACT-8	01-04	647.825	Check
09	ACT-7	01-16	696.175	Check
10	ACT-7	01-11	686.450	Check

To the right of the table is a panel titled "Rack Configuration" with a plus sign icon (+). The panel content is currently blank.

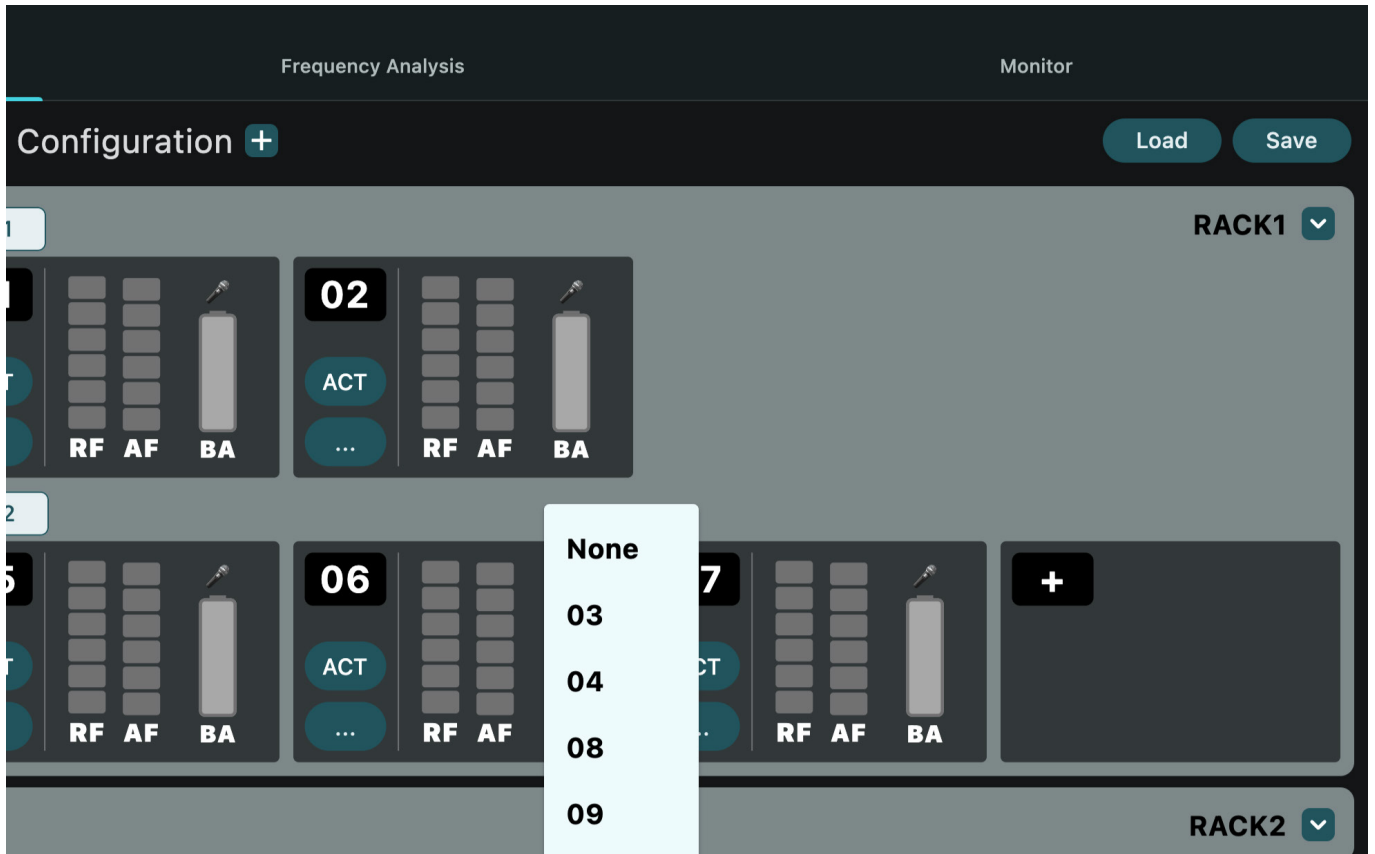
2. Click on  to add a device to your Racks to match the actual configuration and rename each rack.



Tips

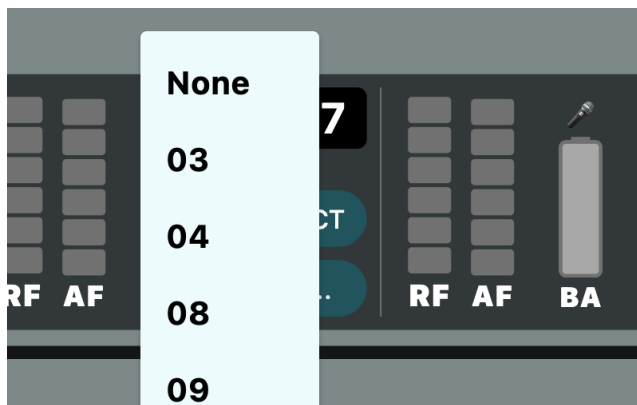
- 4CH Receiver is for ACT-848 and ACT-747.
- 2CH Receiver is for ACT-828 and ACT-727.
- 1CH Receiver is for ACT-818.

3. Click on **+** to add the corresponding ADD into the appointed channel.



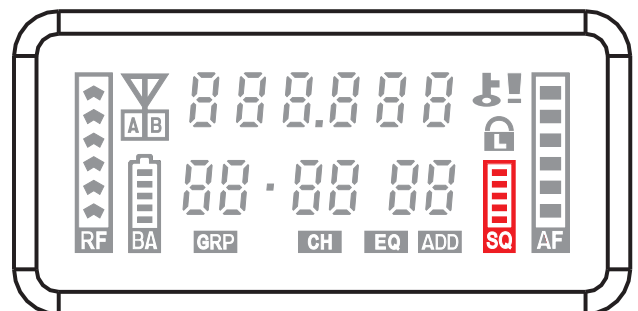
Tip 1:

Only unassigned ADD can be selected. Click on "None" to release the assigned ADD.



Tip 2:

Click on **Check** to locate the appointed channel. The SQ bar of the appointed channel will be flashing.



4. Click on Name Tag icon to rename or delete your devices.

The screenshot shows the MIPRO Wireless Console interface. On the left, there is a table titled "Device Arrangement" with the following data:

Addr.	Model	GR & CH	Freq. (MHz)	Location
01	ACT-8	01-06	642.325	Check
02	ACT-8	01-08	651.700	Check
03	ACT-8	01-07	644.675	Check
04	ACT-8	01-08	651.700	Check
05	ACT-8	01-01	640.300	Check
06	ACT-8	01-02	641.300	Check
07	ACT-8	01-03	643.750	Check
08	ACT-8	01-04	647.825	Check
09	ACT-7	01-16	696.175	Check
10	ACT-7	01-11	686.450	Check

On the right, the "Rack Configuration" view shows a grid of device slots. A context menu is open over slot 03, displaying "Rename" and "Delete" options. Other slots are labeled "01", "02", "04", and "05".



Tip 1:

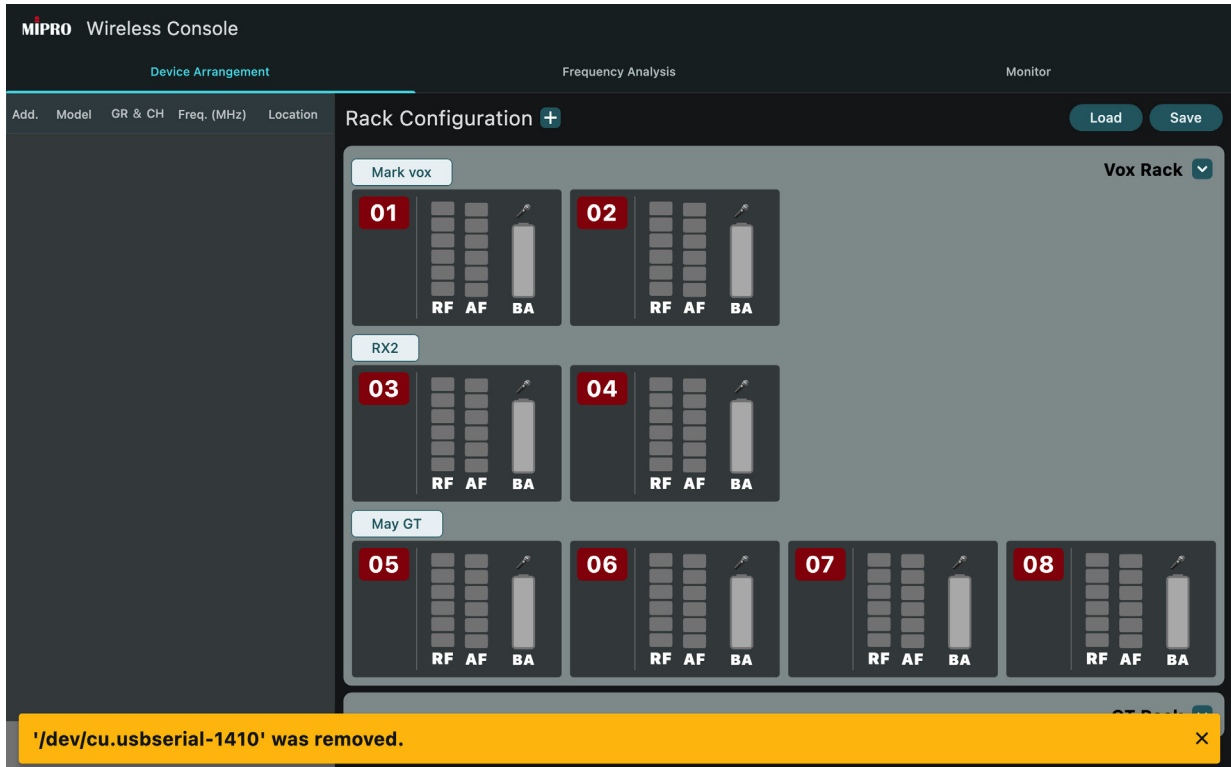
Click on  for detailed information.

This screenshot shows a detailed configuration window for device 03, titled "Bass". The window includes the following fields and controls:

- Name:** Bass
- Group:** 01
- Channel:** 07
- Frequency (MHz):** 644.675 (range: 626.000 ~ 698.000)
- TV:** 45
- Firmware:** 3.4A
- Antenna:** Diversity (A/B)
- Encryption:** Toggle switch (off)
- EQ:** 02
- RF Level:** 1000 (range: 1000, 100, 10, 1)
- RF:** (uV) indicator
- SQ:** Signal Quality indicator
- AF:** Audio Frequency indicator
- BA:** Bass Audio indicator

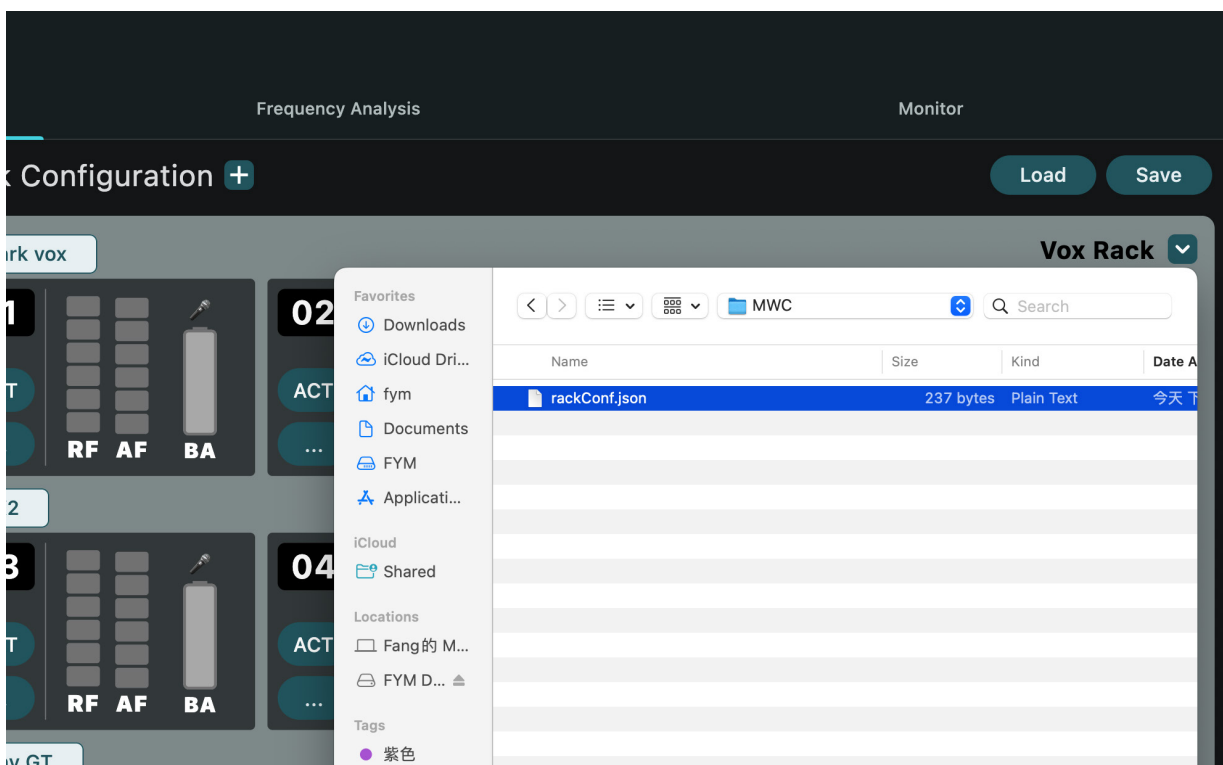
Tip 2:

The ADD number icons turn into red indicate the device is offline.



Tip 3:

Click on **Load** or **Save** to load / save your configuration.



Frequency Analysis: Manage Your RF System

1. Utilize your device as an RF analyzer to analyze your RF system.

■ Sweep Mode

- Single Mode: Sweep scan the bandwidth once to help identify obvious interference in the environment.
- Continuous Mode: Real-time scan and calculation, providing detailed information.

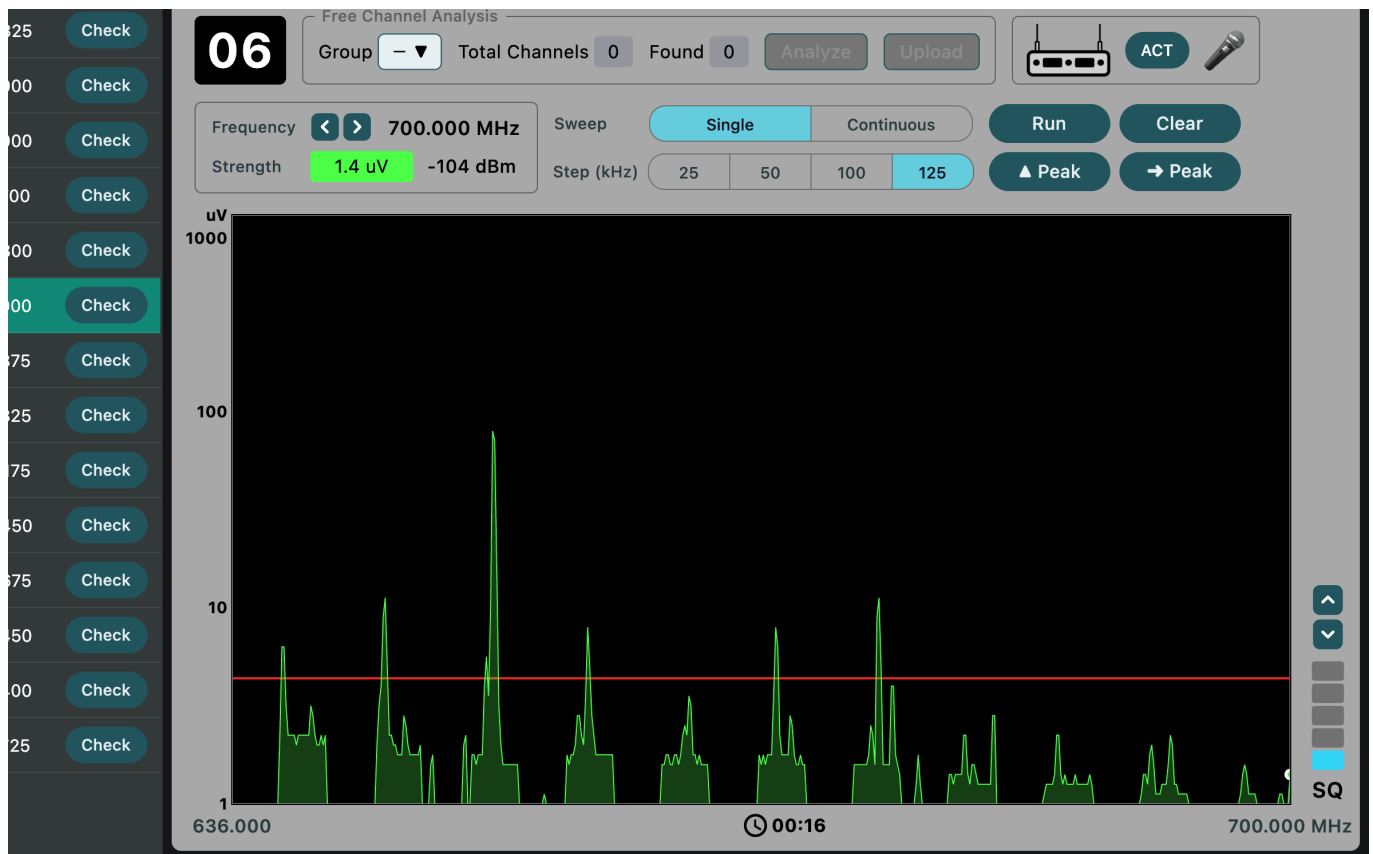
■ Sweep Step

- Narrow Grid (25kHz): Time-consuming but provides more information.
- Wide Grid (125kHz): Quick scan and provides an overview.



- ⚠ Notes:**
- Quick scan with Single Mode/Narrow Grid for fast background noise check.
 - Detailed scan with Narrow Grid for multi-channel arrangement.

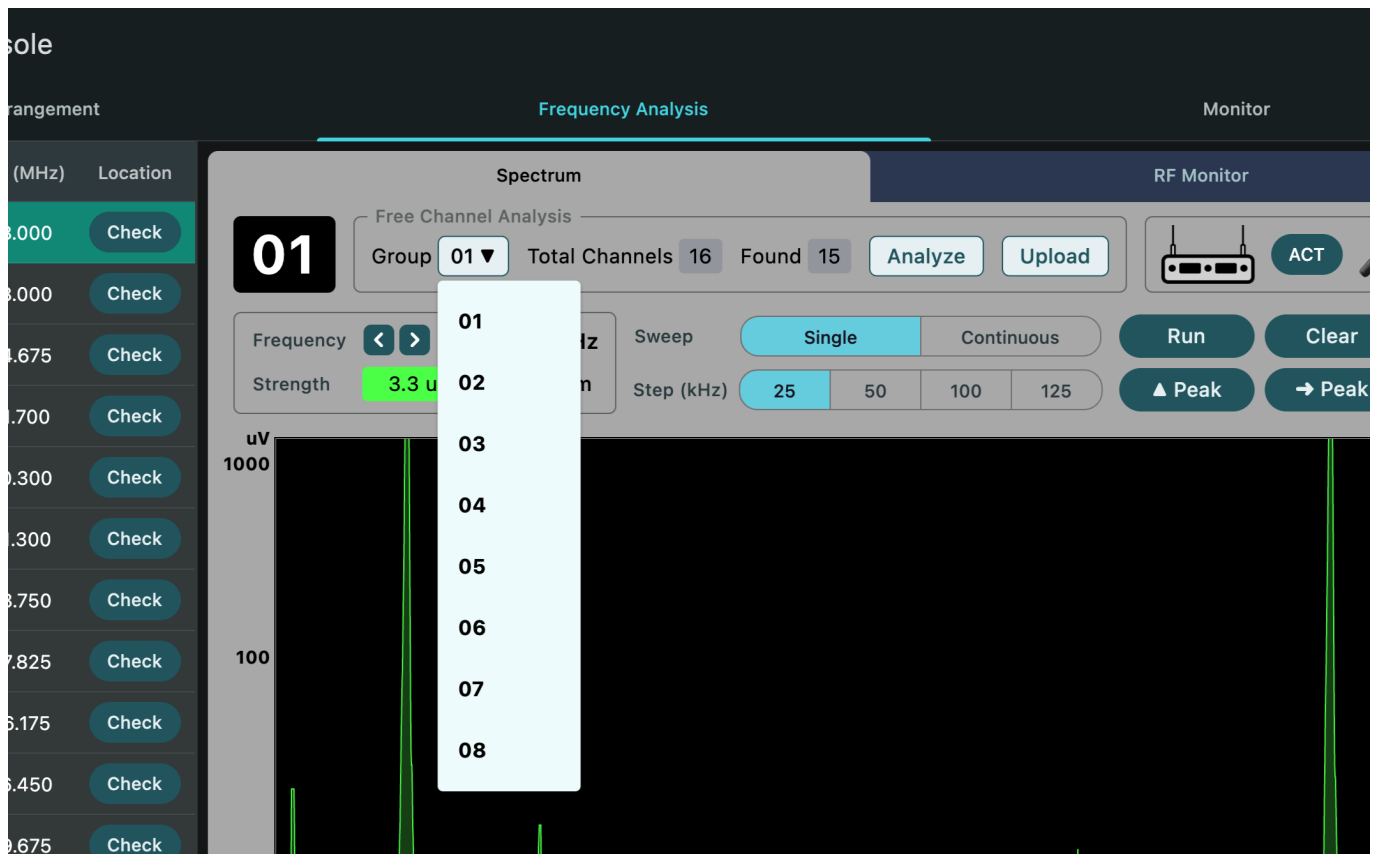
2. Set SQ Level (Red line) higher than RF background noise.



⚠ Notes:

- The data of background noise in the environment will be shown in the spectrum after scanning. Signals below the SQ red bar will be excluded from the analysis.
- Higher SQ level reduces surrounding interference, but the reception range will be limited accordingly.

3. Click on **Group 01** and select the favored group. Click on **Analyze** to scan the free channels in the selected group.

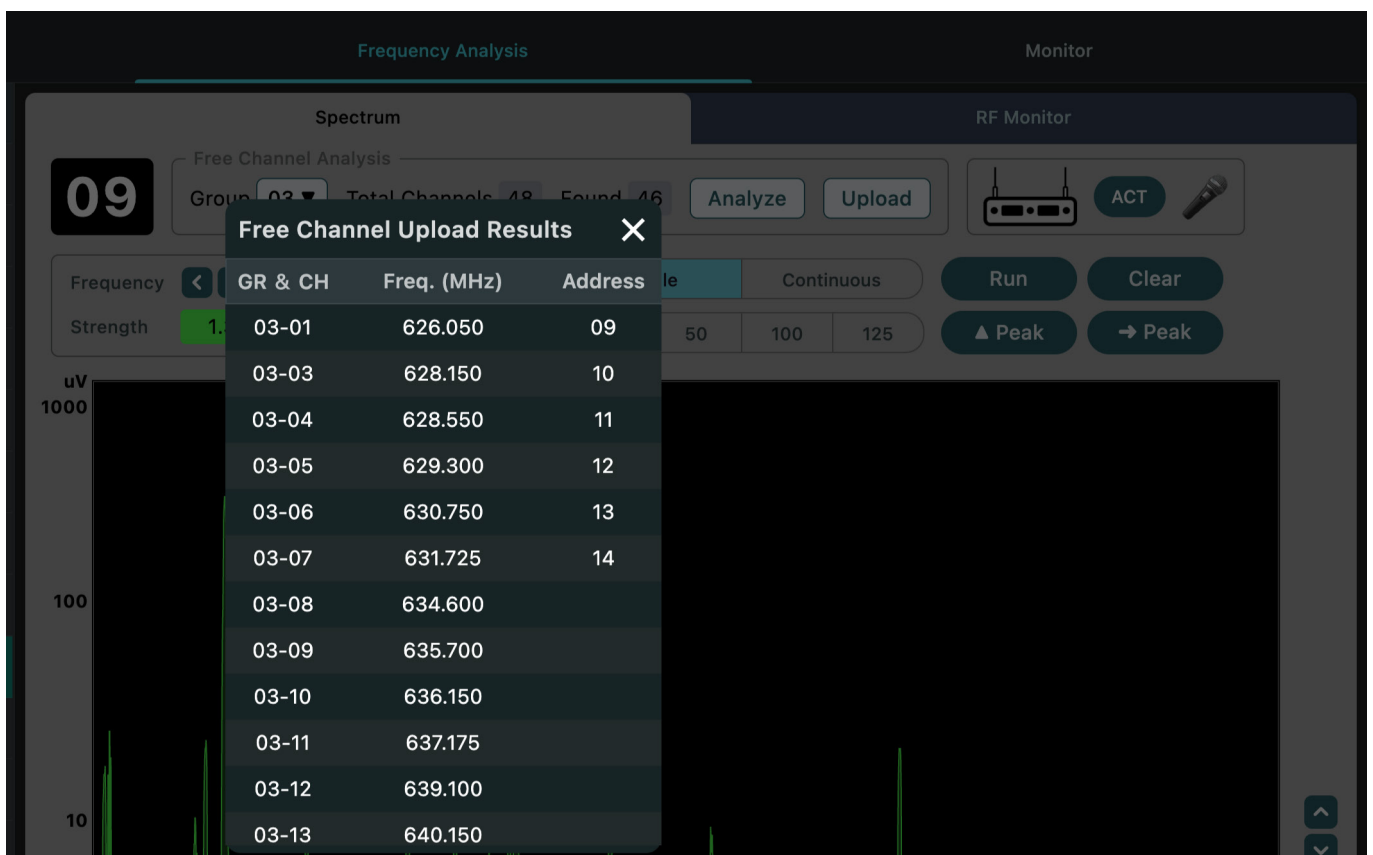


- **Total Channels** shows the maximum available channels.
- **Found** shows available channels at the moment.

⚠ Notes:

- The devices with the same frequency band are required to be set in the same group. All preset frequencies in the groups are carefully calculated to be least interfered with by each other.
- Additional interference is expected with different groups under the same frequency band.

4. Click on **Upload** to upload scanning results to your selected device.



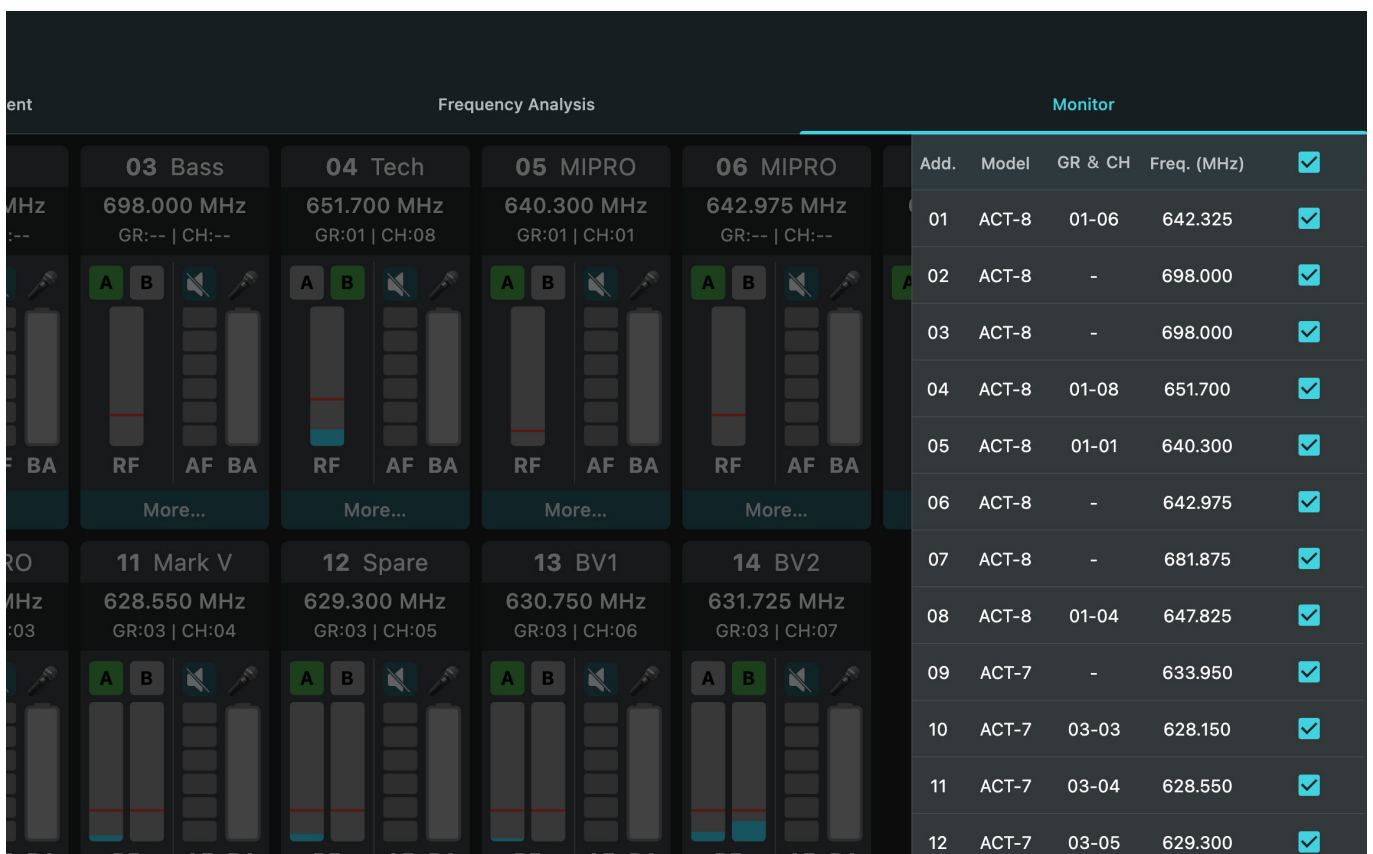
⚠ Note: The scanning result can only be uploaded to devices of the same series under the same frequency band.

5. RF Monitor page provides real-time signal strength monitoring.

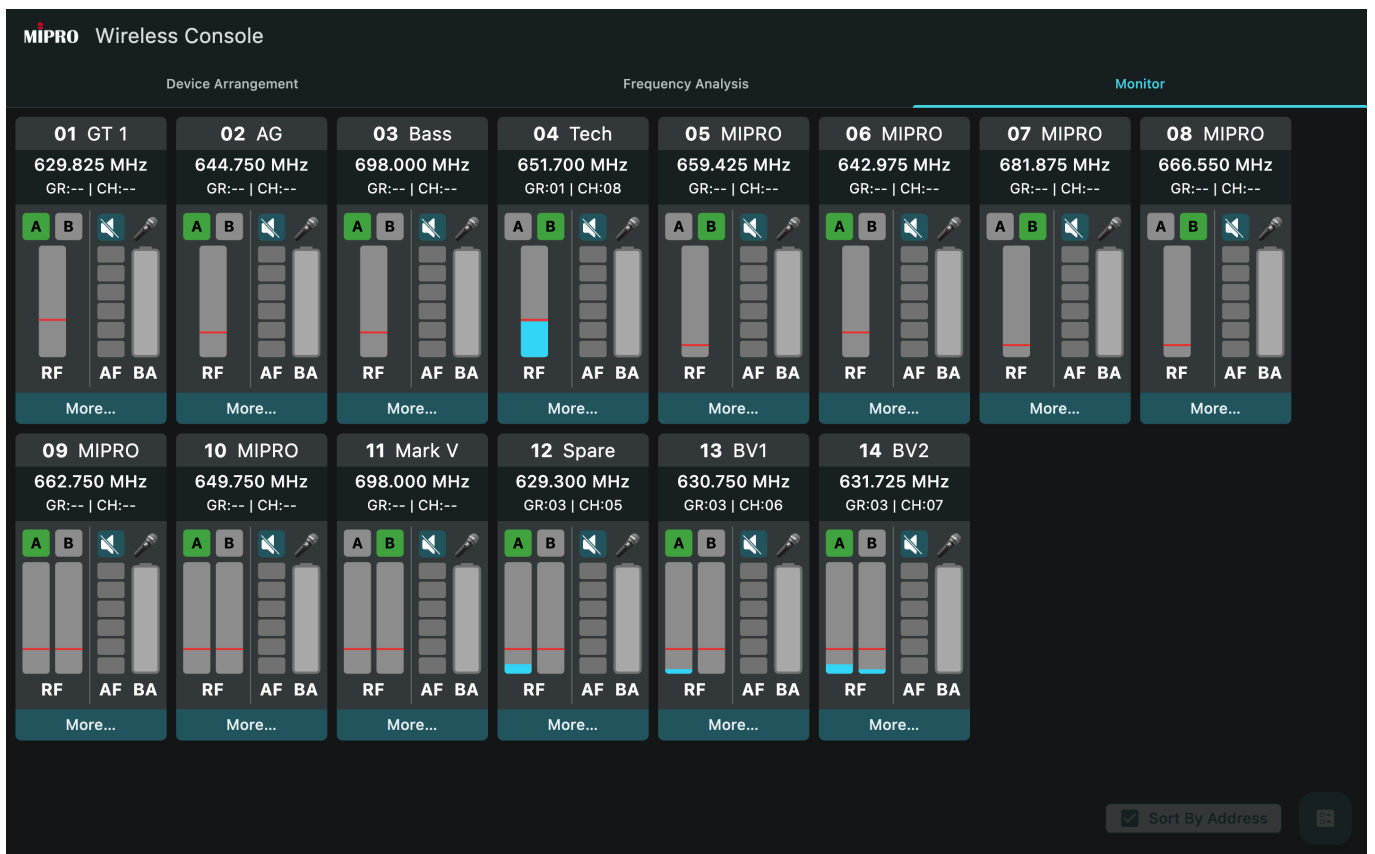


Monitor: Customize Your Workspace

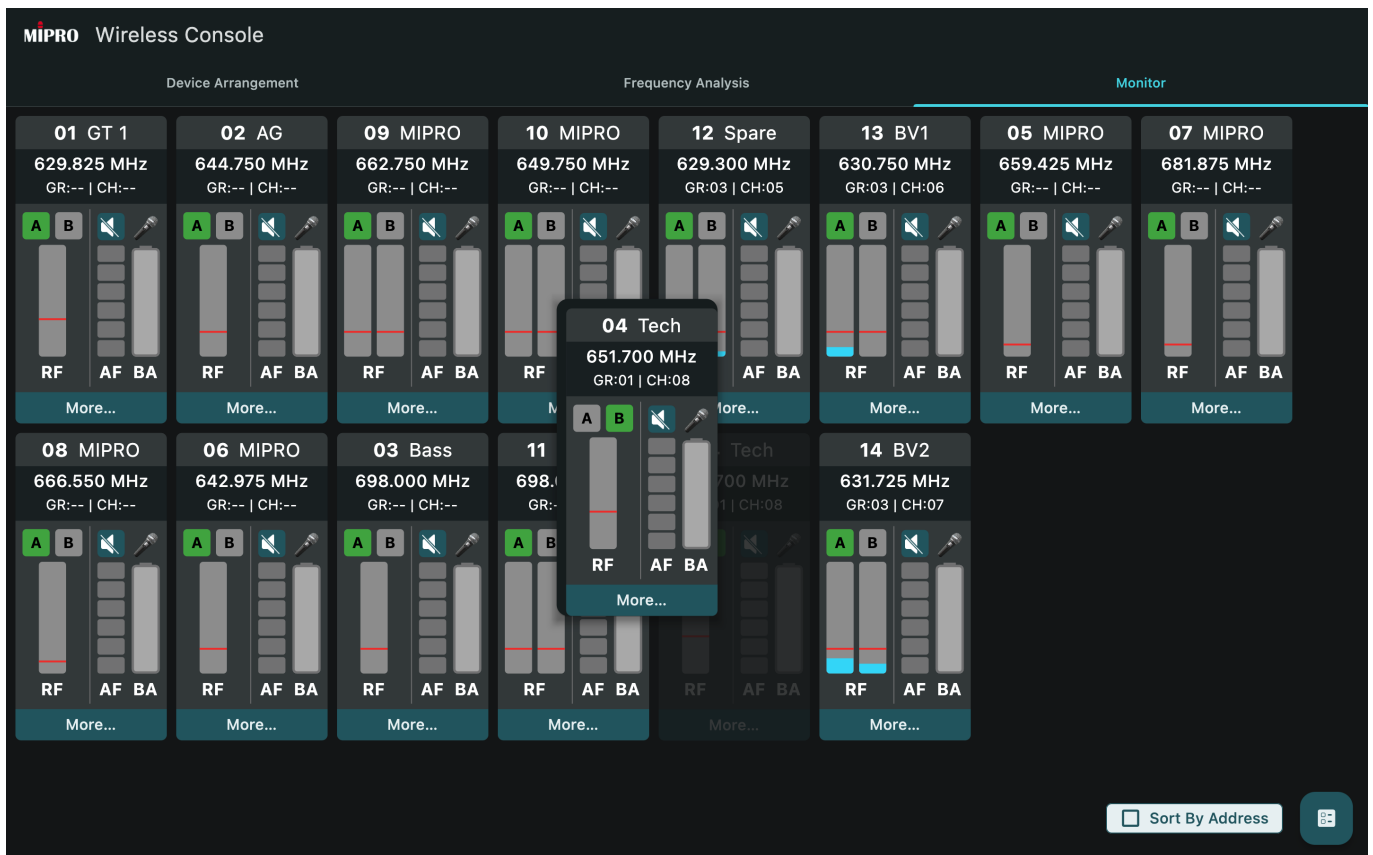
- The device will appear in the working area.
 - The device will be removed from the working area.



2. Overview page



3. Manually arrange your devices.



Tip:

Click on **Sort By Address**, and the working space will reset to the default arrangement.

4. Click on **More...** for fast adjustment of the group/channel, name tag, etc., of your selected device.

