



## RM Series

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# RM Device Finder User Guide

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# Introduction

This document describes how to use the "RM Device Finder" software application (V2.5.0 and later) compatible with all RM Series products.

## What is "RM Device Finder"?

"RM Device Finder" is an application that detects RM Series devices on the network and displays the device's "Device Manager" web GUI in a browser. You can check to see that the Divide/Combine Room setup feature (preset settings to partition multiple rooms) and preset switching are functioning.

## Conventions Used in This Guide

### Trademarks

- Dante is a registered trademark of Audinate.
- Windows is a registered trademark of Microsoft Corporation USA in the USA and other countries.
- Other company names and products in this document are trademarks or registered trademarks of their respective corporate owners.

### Guide Content

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- This software and user guide should not be modified in whole or in part without permission.
- We assume no responsibility whatsoever for any consequences or subsequent impacts resulting from the use of this software or user guide.
- This software and user guide may be modified for improvement without prior notice.
- This software does not guarantee compatibility with Windows touchscreens.
- All illustrations and screens included in this user guide are for the purpose of explaining operation.
- This user guide uses Windows 10 operation and screens as examples.

## Software Operating Environment

This software runs on Windows.

OS	Windows 10, Windows 11
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Must be able to run .NET Framework 4.5.2 or later



#### NOTE

Some computers may have further requirements beyond the recommended environment. Please refer to the Yamaha website for up-to-date information on the latest software versions and operating conditions.

U.S.A. and Canada:  
<https://uc.yamaha.com/support/>

Other Countries:  
<https://download.yamaha.com/>

## Target Models

In order to take full advantage of the features of "RM Device Finder" version 2.0.0.0 and onward, the firmware version of your device must meet the following requirements. Please update the firmware to the latest version using "RM Device Finder".

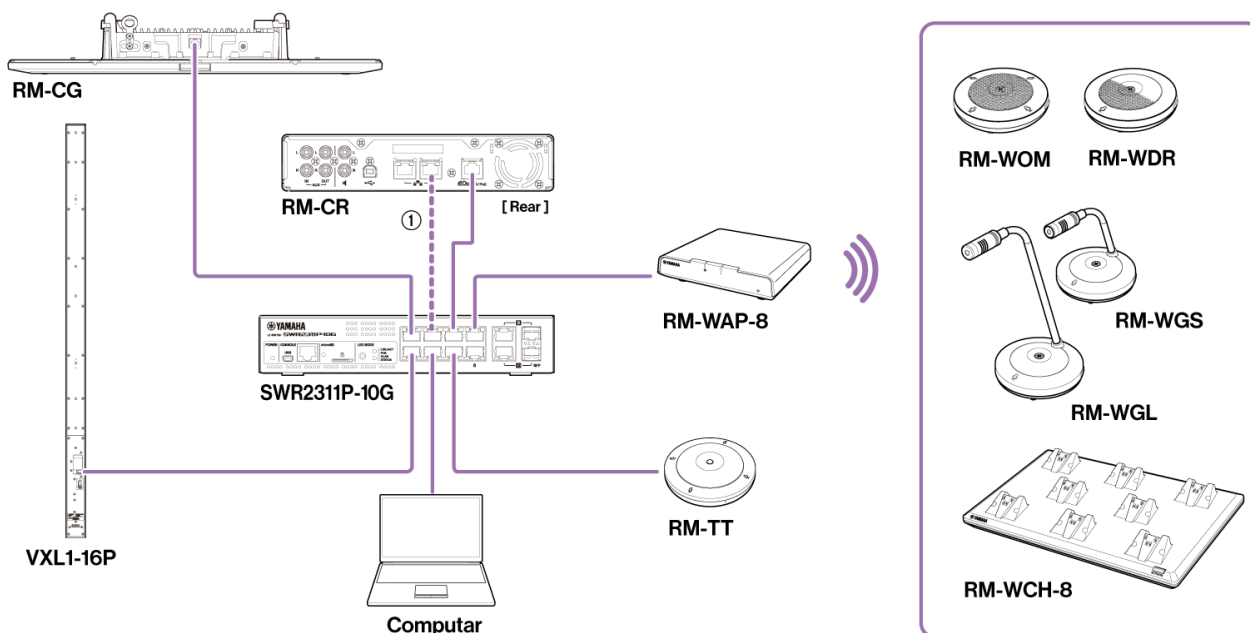
Model	Version
RM-CR	1.0.1 or later
RM-CG	1.0.1 or later
RM-TT	1.1.0 or later
RM-WAP16	1.8.3 or later
RM-WAP8	1.8.0 or later
VXL1-16P	1.1.0 or later

**NOTE**

- Using the Divide/Combine Rooms feature requires firmware for ADECIA version 2.0.0 or later.
- To update the VXL1-16P Dante module, you will need to update to firmware for ADECIA version 2.5.0 or later.

## Connection Diagram and Features

This section shows an example of how to connect devices and describes the features supported by "RM Device Finder."



\*Regarding connection ①:

The connection marked by ① is required if the following conditions are met at the same time:

- The "ETHERNET SWITCH SETTINGS" in the "RM-CR Device Manager" web GUI are in "Separated" mode
- The RM-CR [Dante] and [Corporate] terminals are set to the same IP segment

Function	RM-CR	RM-CG	RM-TT	RM-WAP	RM-WCH	RM-WOM*1	VXI1-16P
Device detection	✓	✓	✓	✓	—	—	✓
Web GUI launch	✓	✓	✓	✓	—	—	—
Firmware updates	✓	✓	✓	✓	*2	*2	✓
Set up Divide/Combine Room	✓	✓	✓	✓	*3	*3	✓
Confirm Preset switching	✓	✓	✓	✓	*3	*3	✓

\*1: Four models: RM-WOM/WDR/WGL/WGS

\*2: Run from the "RM-WAP Device Manager" web GUI launched via "RM Device Finder"

\*3: Corresponds to the RM-WAP settings.

## Computer Network Settings

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The RM Series network is automatically configured by DHCP by default. If your network does not have a DHCP server, the AutoIP feature automatically assigns an IP address.

If you want to manually configure the network or set the RM Series network to coexist with an existing network that you want to connect to, configure the settings to match the LAN that you want to connect to. Consult your LAN administrator for details.

### Computer TCP/IP Settings

If you want to manually configure the network or set the RM Series network to coexist with an existing network that you want to connect to, configure your computer's TCP/IP settings. Follow the steps below to adjust the settings.

1. **Open the "Control Panel" and click [Network and Sharing Center] or [View network status and tasks].**

The "Network and Sharing Center" will appear.

2. **In the "Network and Sharing Center", click [Change adapter settings], then double-click [Local Area Connection].**

The "Local Area Connection Status" dialog box will appear.

If the "Local Area Connection Properties" dialog box appears, go to step 4.

3. **Click [Properties].**

The "Local Area Connection Properties" dialog box will appear.

4. **Select [Internet Protocol Version 4 (TCP/IPv4)] and click [Properties].**

The "Internet Protocol Version 4 (TCP/IPv4) Properties" dialog box will appear.

5. **Select [Use the following IP address (S)].**

6. **Type the IP address of your computer next to [IP address], the subnet mask for the subnet you want to connect to next to [Subnet mask], and the IP address of the gateway next to [Default gateway].**

If you want to set the RM series network to coexist with an existing network, ask your LAN administrator for details.

7. **Click [OK].**
8. **Restart your computer.**

# Installing and Launching "RM Device Finder"

## Installing "RM Device Finder"

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Download and install the "RM Device Finder" installation file to your PC.

### 1. Download the latest version of the installation software from the Yamaha website.

U.S.A. and Canada:

<https://uc.yamaha.com/support/>

Other Countries:

<https://download.yamaha.com/>

### 2. Extract the compressed file and install the application software.

- ① Extract the zip file and open it in the desired location.
- ② Double click the file "RMDeviceFinderInstaller.exe" in the folder.
- ③ Install the application by following the instructions in the Installer.

## Launching "RM Device Finder"

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Launch "RM Device Finder" using one of the methods below.

- Double click the "RM Device Finder" shortcut icon  
(if you checked the [Create a desktop shortcut] option on the Install screen)
- Select the program from your Windows Start icon

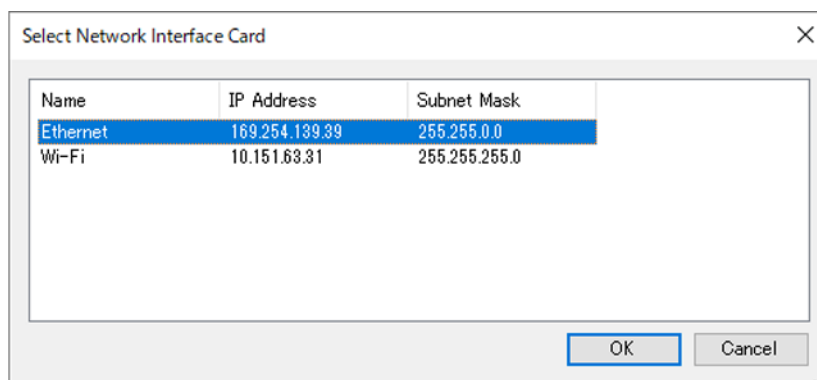
The "[Select Network Interface Card](#)" screen appears when "RM Device Finder" is launched.

# "RM Device Finder" Screen

## "Select Network Interface Card" Screen

This screen allows you to select a network interface card. It appears when "RM Device Finder" is launched.

Select one of the network interface cards in the RM Series from the list and click the [OK] button.



Click the [OK] button to display the "RM Device Finder" main screen.

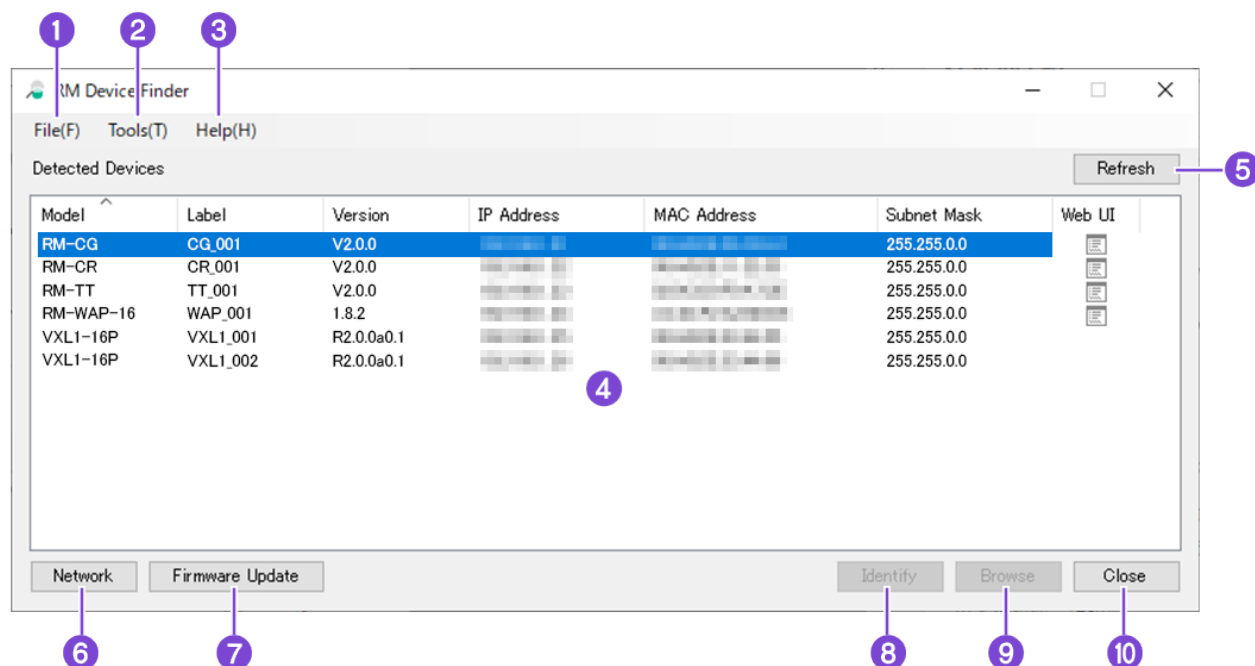


NOTE

You can also display the "Select Network Interface Card" screen by clicking the ⑥ [Network] button on the "RM Device Finder" main screen.



## "RM Device Finder" Main Screen



### 1 [File] menu

#### [Firmware Update]

Displays the "Firmware Update" screen for updating the device's firmware.

For more information, see ["Firmware Update" screen](#).

You can also display the "Firmware Update" screen via the following method:

- 7 Click the [Firmware Update] button

#### [Exit]

Exits the application.

You can also exit the application via the following methods:

- Click the [x] button in the corner of the window.
- 10 Click the [Close] button

### 2 [Tools] menu

#### [Preset Recall]

Displays the "Preset Recall" screen for recalling presets.

#### [Divide/Combine Room Wizard]

Displays the "Divide / Combine Room Wizard" screen, where you can configure partitioning settings for multiple rooms.

For more information on [Preset Recall] and the [Divide / Combine Rooms Wizard] see [Using the Divide/Combine Rooms Feature](#).

### 3 [Help] menu

#### [About]

Displays the application name and version number.


#### [Legal]

Displays the license information for the open source software used in this software.

### 4 "Detected Devices" list

Lists information on detected devices.

 Select a device displaying the [Web UI] icon and click the [Browse] button to launch the "Device

Manager" web GUI in a browser.  Double-clicking a row of devices displaying the [Web UI] icon will also launch the "Device Manager" web GUI.



#### NOTE

- The browser that displays the "Device Manager" web GUI is determined by your computer's settings.
- Models that do not support the "Device Manager" web GUI will not display the [Web UI] icon.
- Only RM Series devices with network support are displayed.

### 5 [Refresh] button

Clears the list and re-detects the devices.

If no valid network interface card is selected, the [Refresh] button will be grayed out and cannot be clicked.

(When clicked, the button cannot be clicked again for 5 seconds.)

### 6 [Network] button

Displays the "Select Network Interface Card" screen for selecting a network interface card.

The "Select Network Interface Card" screen also opens when the application is launched.

For more information, see ["Select Network Interface Card" screen](#).

### 7 [Firmware Update] button

Displays the "Firmware Update" screen for updating the device's firmware.

For more information, see ["Firmware Update" screen](#).

### 8 [Identify] button

Causes the LED of a device selected from the list to flash for 5 seconds. Used to identify equipment.

### 9 [Browse] button

Displays the "Device Manager" web GUI of a device selected from the list in a browser.

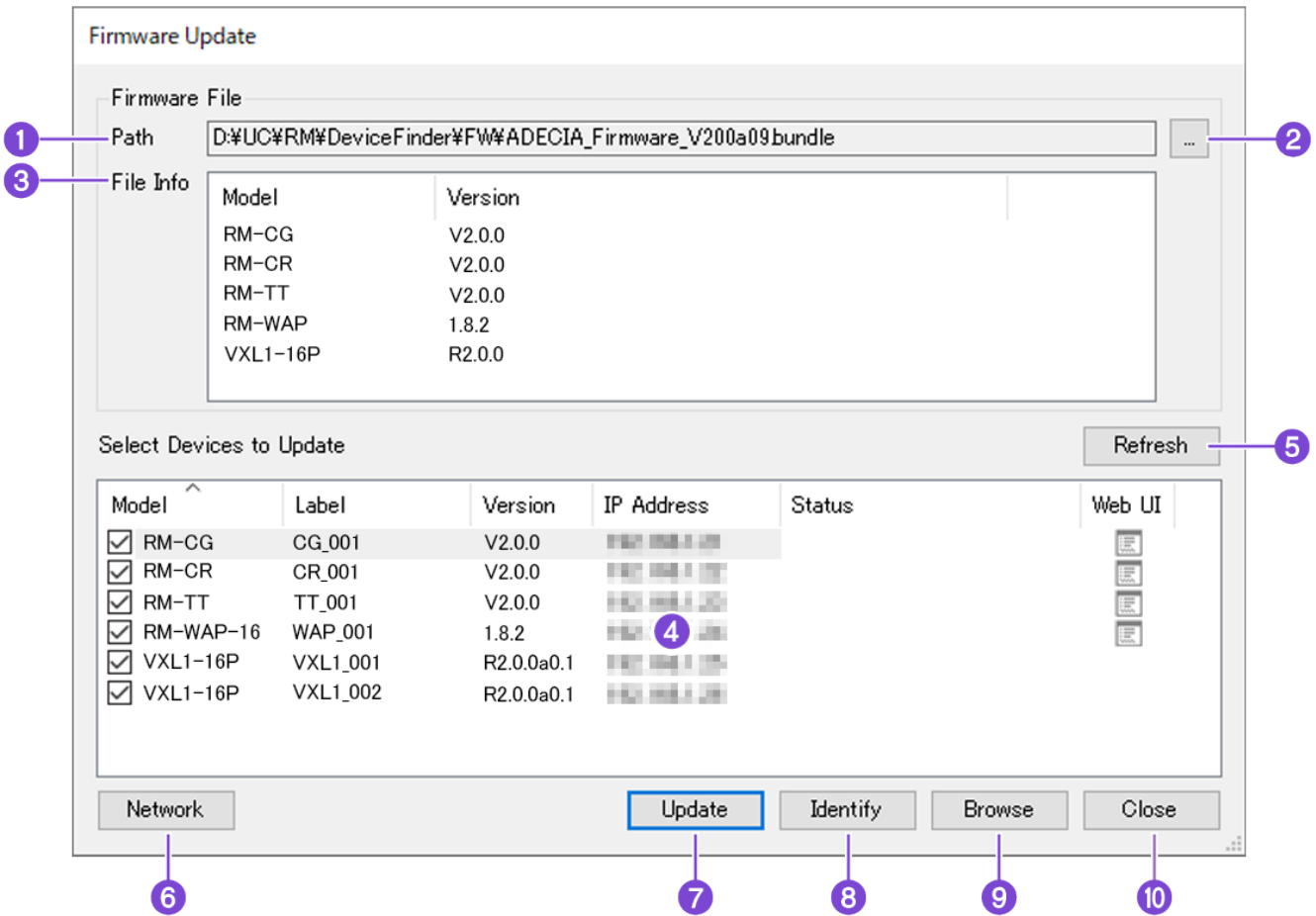
### 10 [Close] button

Exits the application.

You can also exit the application via the following methods:

- ① Click [File] then [Exit]
- Click the [x] button in the corner of the window.

## "Firmware Update" Screen



**1 "Path"**

Displays the path of the selected firmware file.

**2 [...] button**

Lets you select the firmware file.

**3 "File Info" list**

Displays models compatible with the firmware file and their version numbers.

**4 "Select Devices to Update" list**

Displays a list of devices and the progress of their firmware updates.

Status	Progress
Updating...	"Updating..." flashes on screen while the firmware file is being transferred. The progress of the update is indicated by a progress bar.
Success	Indicates that the firmware file transfer is complete and the update was successful.
Failed	Indicates that the firmware file transfer is complete but the update failed.
Skip	Indicates that the device did not respond to the firmware update instruction or that the firmware file transfer is complete but the update was skipped for some reason.
Error	Indicates that an error occurred while transferring the file or that the device did not respond after the file was sent.

**5 [Refresh] button**

Clears the "Select Devices to Update" list and re-detects the devices.

**6 [Network] button**

Opens the ["Select Network Interface Card" screen](#) so you can select the network interface card.

**7 [Update] button**

Starts the firmware update.

**8 [Identify] button**

Causes the LED of a device selected from the list to flash for 5 seconds. Used to identify equipment.

**9 [Browse] button**

Displays the "Device Manager" web GUI of a device selected from the list in a browser.

**10 [Close] button**

Closes the ["Firmware Update" screen](#).

**NOTE**

- You cannot click any of the buttons while the firmware is being updated.
- Firmware updates for RM-WCH-8, RM-WDR, RM-WOM, RM-WGS, and RM-WGL cannot be performed via the "RM Device Finder". Please update these devices via the "RM-WAP Device Manager" web GUI.
- For more information, refer to the RM Series Wireless Microphone Reference Manual.

# Updating the Firmware

You can update the device's firmware from the "Firmware Update" screen.

**Firmware Update**

**Firmware File**

Path: D:\UC\RM#DeviceFinder\FW#ADECIA\_Firmware\_V200a09bundle

**File Info**

Model	Version
RM-CG	V2.0.0
RM-CR	V2.0.0
RM-TT	V2.0.0
RM-WAP	1.8.2
VXL1-16P	R2.0.0

**Select Devices to Update** Refresh

Model	Label	Version	IP Address	Status	Web UI
<input checked="" type="checkbox"/> RM-CG	CG_001	V2.0.0			
<input checked="" type="checkbox"/> RM-CR	CR_001	V2.0.0			
<input checked="" type="checkbox"/> RM-TT	TT_001	V2.0.0			
<input checked="" type="checkbox"/> RM-WAP-16	WAP_001	1.8.2			
<input checked="" type="checkbox"/> VXL1-16P	VXL1_001	R2.0.0a0.1			
<input checked="" type="checkbox"/> VXL1-16P	VXL1_002	R2.0.0a0.1			

Network Update Identify Browse Close

Follow the steps below to update the firmware:

1. **Select the firmware file from the file selection screen that appears when you click the [...] button.**

The firmware file can be downloaded from the Yamaha website.

U.S.A. and Canada:

<https://uc.yamaha.com/support/>

Other Countries:

<https://download.yamaha.com/>

2. **In the "Model" column of the "Select Devices to Update" list, check the boxes next to the devices you want to update.**
3. **Then click the [Update] button.**
4. **Follow the on-screen instructions to perform the firmware update.**

A dialog box confirming completion will appear when the update is complete.

# Using the Divide/Combine Room Feature

If you want to variably partition a room or share ADECIA devices or audio signals in multiple rooms, the "RM Device Finder" Divide / Combine Room feature allows you to switch between the divide/combine configurations and the presets required to verify that the features are working in the room.

Follow the following steps to use the Divide/Combine Room feature.

1. In [Tools], go to [Divide / Combine Room Wizard] to change room division/combination settings, and set used devices and presets.
2. In [Tools], go to [Preset Recall] to recall the presets set in 1.

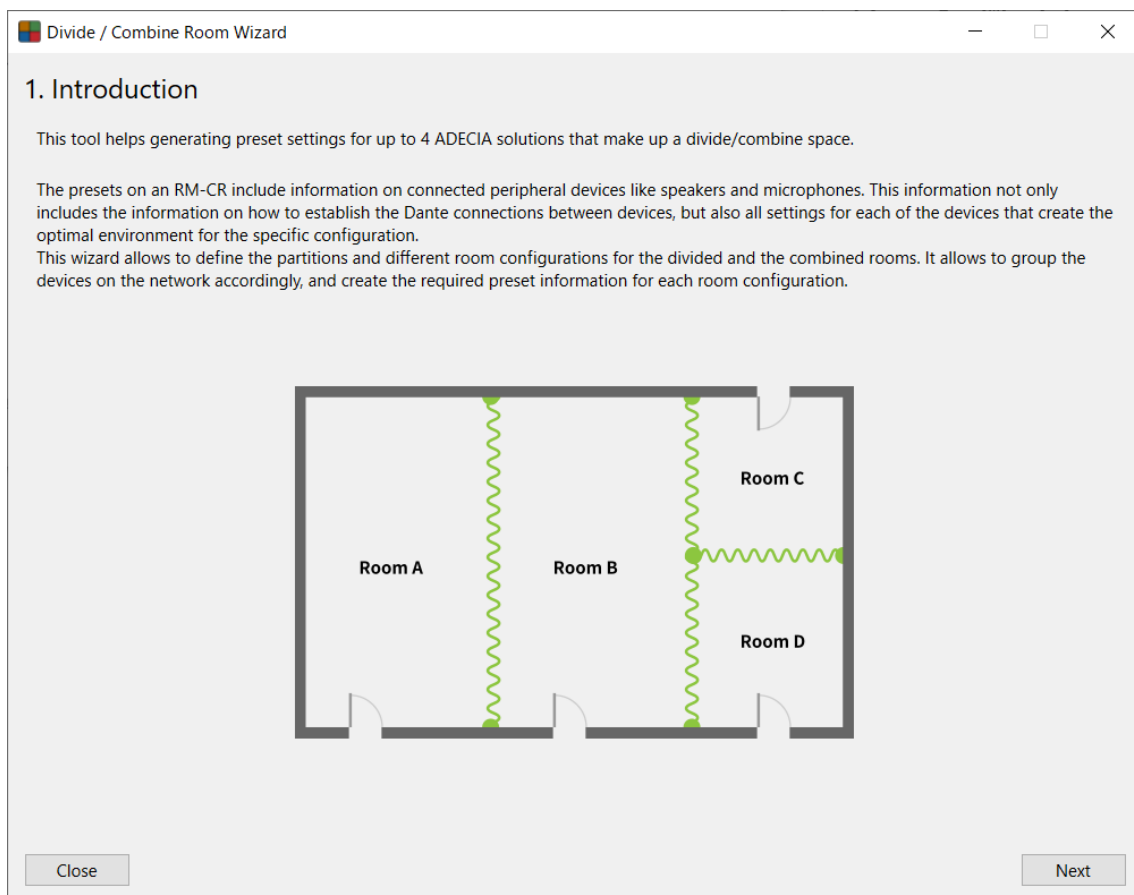
## "Divide / Combine Room Wizard"

Follow the instructions displayed on the Wizard Screen to make settings.

### "Introduction" Screen

This is a feature description screen for the "Divide / Combine Room Wizard". It explains the following:

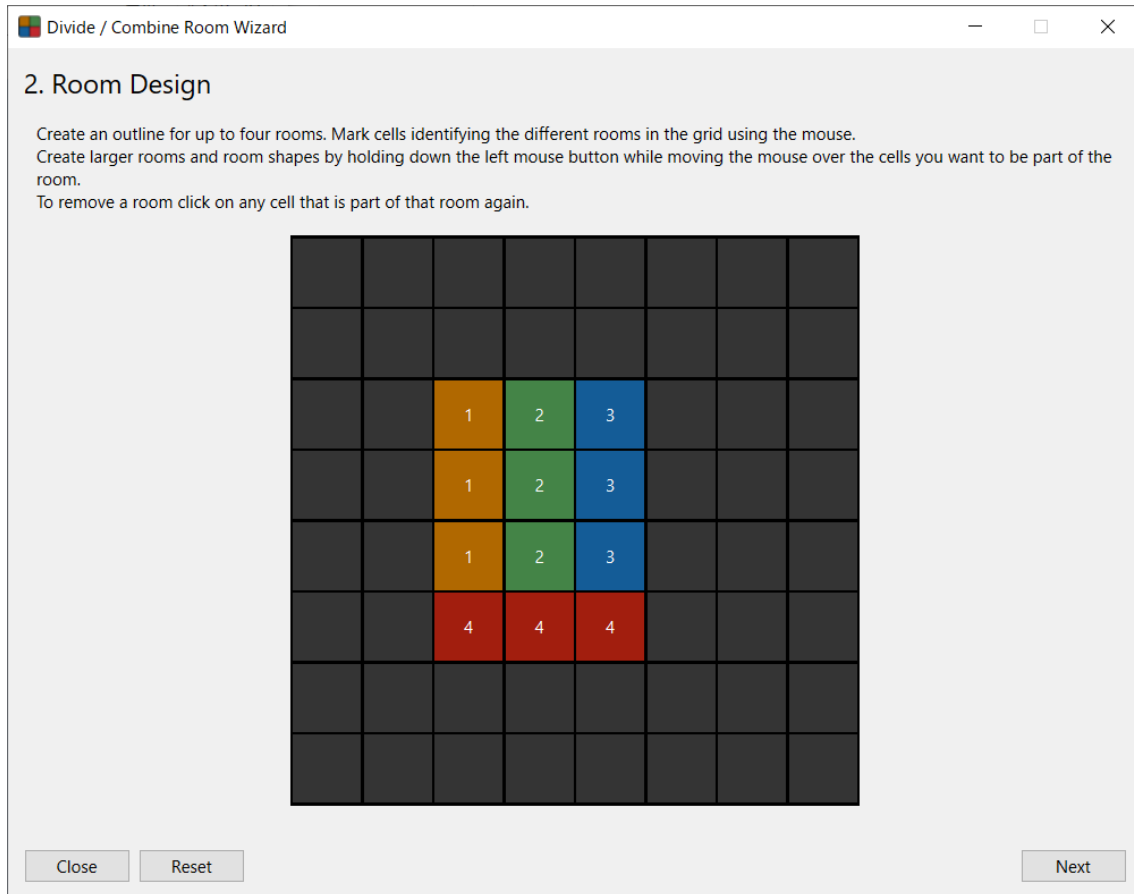
- These settings can be used to divide or merge up to four adjacent rooms.
- Presets can be saved using this feature to match the settings of rooms and used devices to usage scenarios.
- This Wizard allows you to configure rooms, group devices on the network around RM-CR, and then create multiple presets with different device configurations.



Click the [Nex] button to continue to the next screen. Click the [Close] button to close the Wizard Screen.

## "Room Design" Screen

Drag the cell to create a "Room". You can create up to four "Rooms".



Click the [Reset] button to delete all of the "Rooms" you have created.

Click the [Next] button to continue to the next screen.

Click the [Close] button to close the Wizard Screen. You can also save the all the settings you have configured in the Wizard up to this point.



### NOTE

- Click the "Room" you created again to delete it.
- Dragging the "Room" lets you expand it.

## "Assign Devices to the rooms" Screen

Any RM-CRs and peripheral devices (such as microphones and speakers) detected on the network will be displayed in a list. You can designate the "Rooms" in which each device can be used.

**Divide / Combine Room Wizard**

### 3. Assign Devices to the rooms

Specify the room in which each device found on the network is located.  
In each room you can have a maximum of one RM-CR, up to 16 microphones, and up to 15 speakers.  
The total number of microphones and speakers combined cannot exceed 16.

Room	RM-CR	Microphone	Speaker
1	1	0	0
2	0	1	0
3	0	0	0
4	0	0	1

**RM-CR**

Hostname	Model	IP Address	Room
Y001-Yamaha-RM-CR-000099-A	RM-CR	169.254.45.165	1
Y001-Yamaha-RM-CR-6F0881-B	RM-CR	169.254.7.29	No Assign

**Peripheral**

Hostname	Model	IP Address	Room
Y001-Yamaha-RM-TT-101004	RM-TT	169.254.102.14	2
Y001-Yamaha-RM-TT-258831	RM-TT	169.254.109.129	No Assign
Y001-Yamaha-RM-TT-333333	RM-TT	169.254.129.133	No Assign
Y001-Yamaha-RM-TT-000000-B	RM-TT	169.254.144.151	No Assign

Back
Reset
Next

Click the Edit button to change the Hostname of the selected device.

Click the LED Indicator button to cause the LED of the selected device to blink.

Click the [Reset] button to clear the numbers of all designated "Rooms".

Click the [Next] button to continue to the next screen.

Click the [Back] button to return to the previous screen.

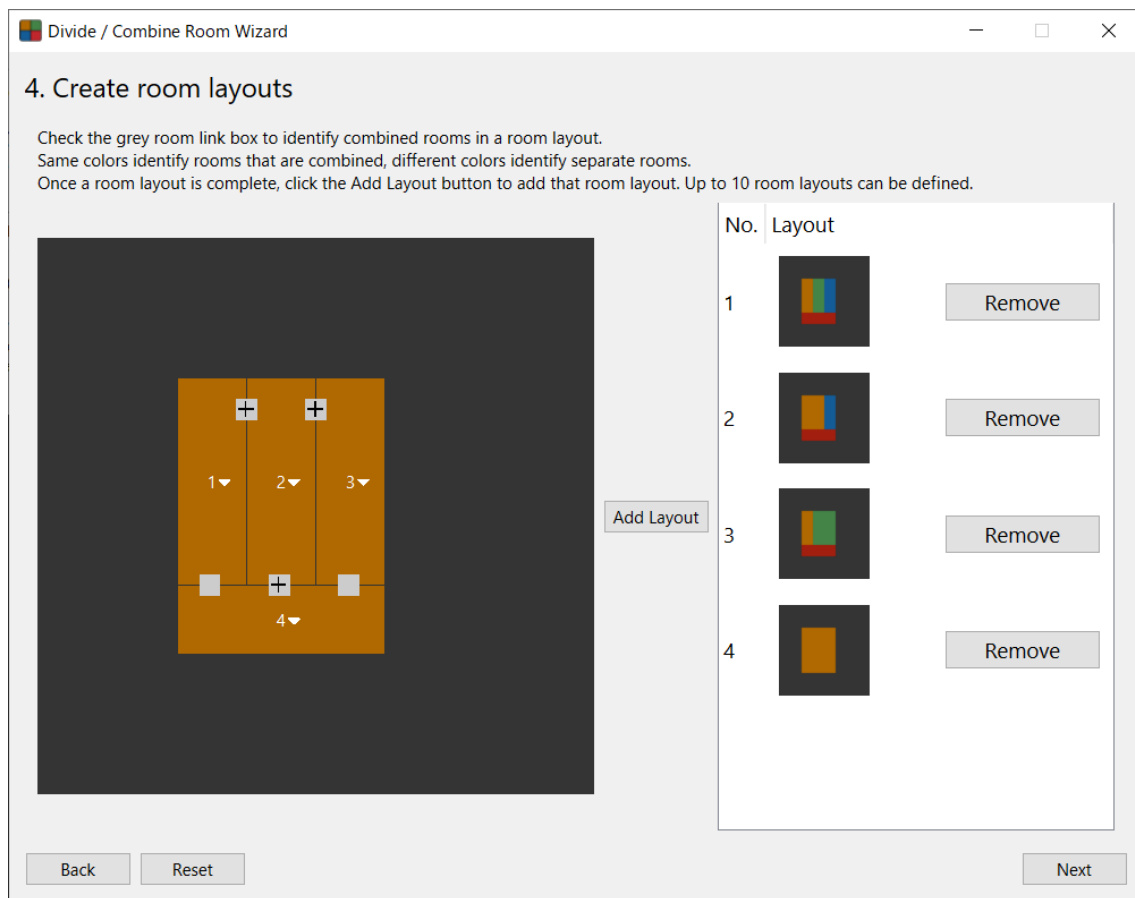


One room can contain up to one RM-CR, 16 microphones, and 15 speakers. Also, make sure that the total number of microphones and speakers in a room is no more than 16.



## "Create room layouts" Screen

Use the partitioning buttons in the spaces between rooms to register all of the ways you anticipate a room will be used. This will allow you to register various partitioned and merged patterns as "Layouts".



Click the [Add Layout] button to register a "Layout".

Click the [Remove] button to delete a registered "Layout".

Click the [Reset] button to delete all registered "Layouts".

Click the [Next] button to continue to the next screen.

Click the [Back] button to return to the previous screen.



### NOTE

- Up to 10 "Layouts" may be registered.
- Rooms that have the same color will be used as a single room.

## "Select the Devices for each combined rooms" Screen

Here, you can set the devices that will be used in each room for the "Layouts" you have created.

- ① Select a "room combination".
- ② Select RM-CR.
- ③ Determine configurations for the peripheral devices.

**Divide / Combine Room Wizard**

### 5. Select the Devices for each combined rooms

Select which devices are to be used in each of the room combinations created in the previous step.  
For combined rooms select the devices that are to be used in that configuration.  
Please select exactly one RM-CR and up to 16 other peripherals.  
If more devices than supported are being selected the listing will appear in red.

**Select a room combination**

No.	Layout	Room
1	1	1
2	1	2
3	1	3
4	1	4
5	2	1,2
6	2	3
7	2	4
8	3	1
9	3	2,3
10	3	4
11	4	1,2,3,4

**RM-CR**

RM-CR	Microphone	Speaker
1	1	1

**RM-CR Configuration**

Hostname	Model	IP Address	Room	
Y001-Yamaha-RM-CR-000099-A	RM-CR	169.254.45.165	1	Remove

**Peripheral Configuration**

Hostname	Model	IP Address	Room	
Y001-Yamaha-RM-TT-101004	RM-TT	169.254.102.14	2	Remove
Y001-Yamaha-VXL1-16P-4E3034	VXL1-16P	169.254.53.48	4	Remove

Buttons: Back, Reset, Next

Click the [Remove] button to delete a device from a "room combination".

Click the [Reset] button to clear all of the set "room combinations".

Click the [Next] button to continue to the next screen.

Click the [Back] button to return to the previous screen.



#### NOTE

If a "room combination" is displayed in red text, this means that you have exceeded the maximum usable "room combinations", and you will need to make adjustments

## "Assign the speaker locations for each room combination" Screen

On this screen you can select a "room combination" and set the source type (L/R) for a Dante speaker.

- ① Select a "room combination".
- ② Set the "Position" of the speaker.

**Divide / Combine Room Wizard**

### 6. Assign the speaker locations for each room combination

For each room combination listed on the left, select whether speakers are positioned on the left or right.  
NOTE: For mono use only, choose Left for all speakers.

Select a room combination

No.	Layout	Room
1	1	1
2	1	2
3	1	3
4	1	4
5	2	1,2
6	2	3
7	2	4
8	3	1
9	3	2,3
10	3	4
11	4	1,2,3,4

Speaker Position

Hostname	Model	IP Address	Room	Position
Y001-Yamaha-VXL1-16P-4E3034	VXL1-16P	169.254.53.48	4	L

Buttons: Back, Reset, Next

Click the [Reset] button to clear all source type (L/R) settings for the speakers.

Click the [Next] button to continue to the next screen.

Click the [Back] button to return to the previous screen.


## "Create presets" Screen

Set a preset name for "Layouts" for each room.

Divide / Combine Room Wizard

7. Create presets

Each room combination will be configured as a preset on the RM-CRs.  
Please provide a name for the preset.



Select a room combination

No.	Layout	Rooms	Preset Names
1	1	1	Room 1
2	1	2	Room 2
3	1	3	Room 3
4	1	4	Room 4
5	2	1,2	Room 1+2
6	2	3	Room 3
7	2	4	Room 4
8	3	1	Room 1
9	3	2,3	Room 2+3
10	3	4	Room 4
11	4	1,2,3,4	Room 1+2+3+4

Back

Reset

Next

Click the [Reset] button to clear all the "Preset Names" that you entered.  
Click the [Next] button to continue to the next screen.  
Click the [Back] button to return to the previous screen.

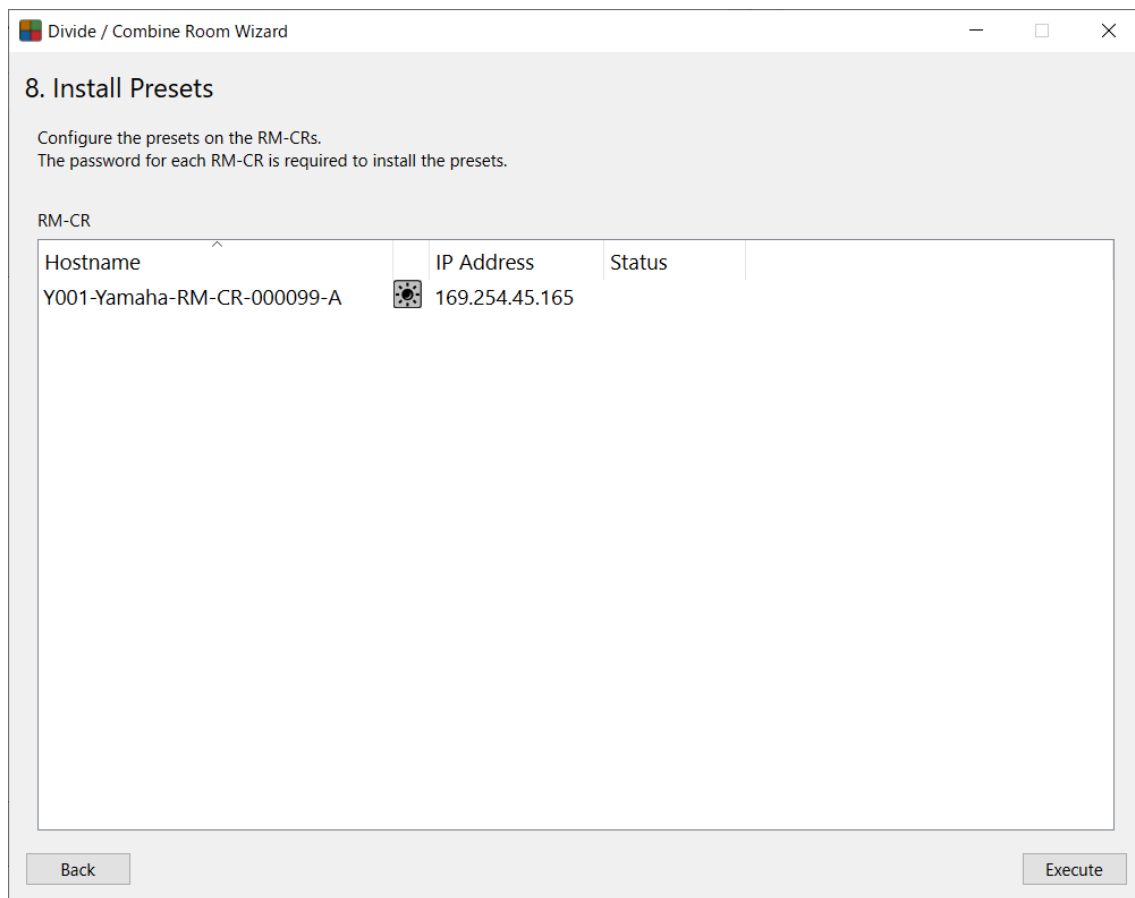


NOTE

Register a "Layout" as a preset for all networked RM-CRs

## "Install Presets" Screen

Click the [Execute] button to register your created Presets with all RM-CRs on the network. You will need a login password for the "RM-CR Device Manager" to register presets.



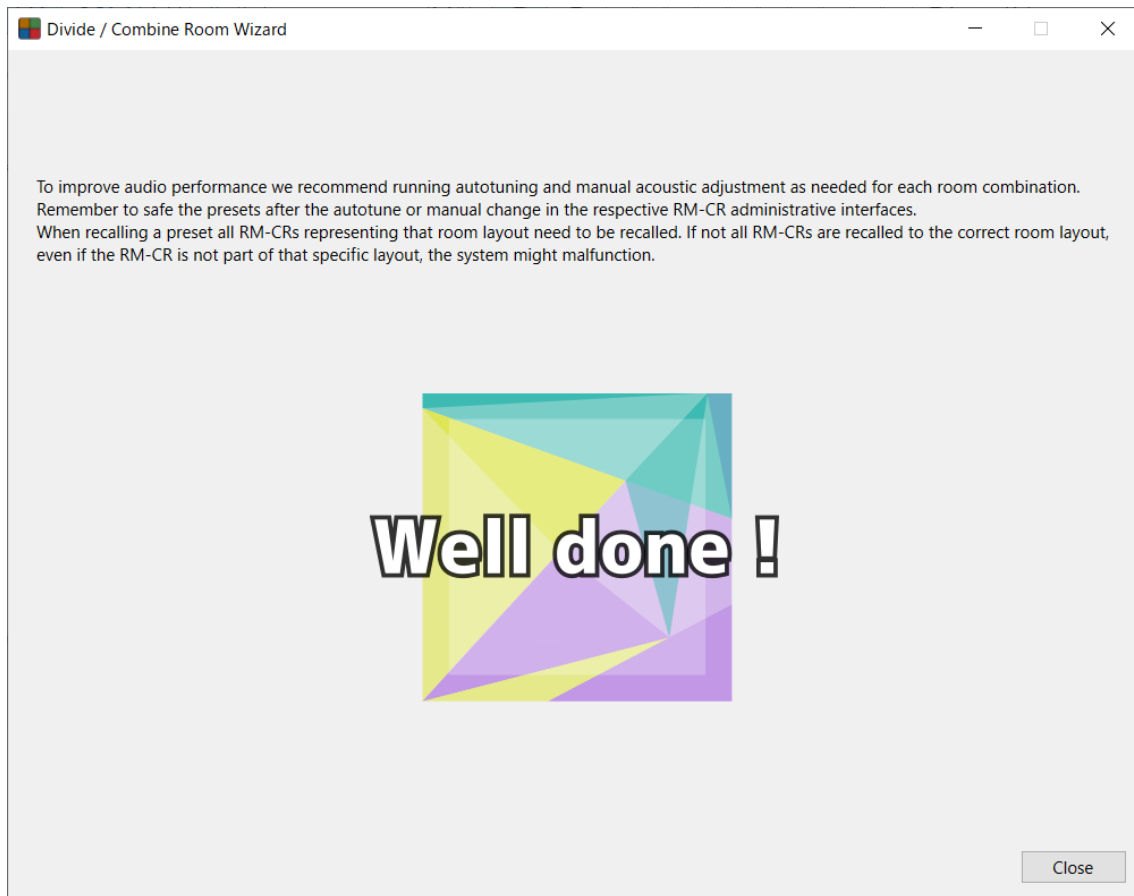
Click the [Back] button to return to the previous screen.

## Completion Screen

You have completed your configuration.

Click the [Close] button to close the Wizard.

You can switch between registered settings on the "Preset Recall" screen.

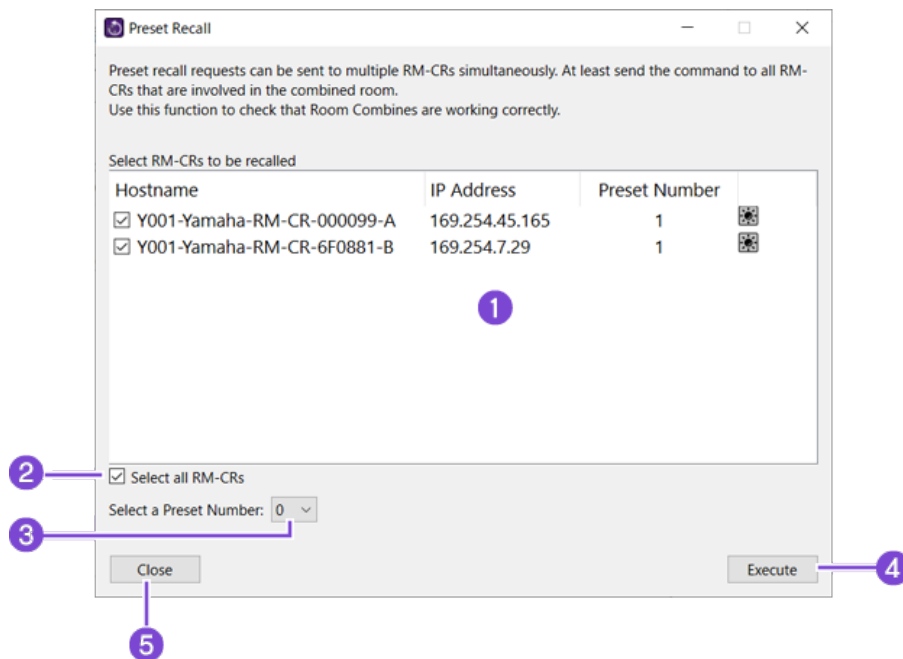


### NOTE

If necessary, adjust sound quality and override presets by going to "[Preset Recall](#)" screen to make adjustments and conduct overrides while device configurations are reflected for each room. Use the "Device Manager" web GUI to adjust sound quality and override presets.

## "Preset Recall" Screen

You can recall presets for multiple selected RM-CRs at the same time. "Divide / Combine Room Wizard" presets are switched on this screen.



### 1 "RM-CR" Device List

Displays a list of the RM-CRs detected on the network. Select the device for which you want to recall the preset.

### 2 [Select all RM-CRs]

Sets all RM-CRs listed in the "RM-CR" Device List as targets for preset recall.

### 3 [Select a Preset Number]

Select the number of the preset you want to recall.

### 4 [Execute]

Recalls the preset numbers in 3 for all RM-CRs selected in 1.

### 5 [Close]

Close the "Preset Recall" screen.

