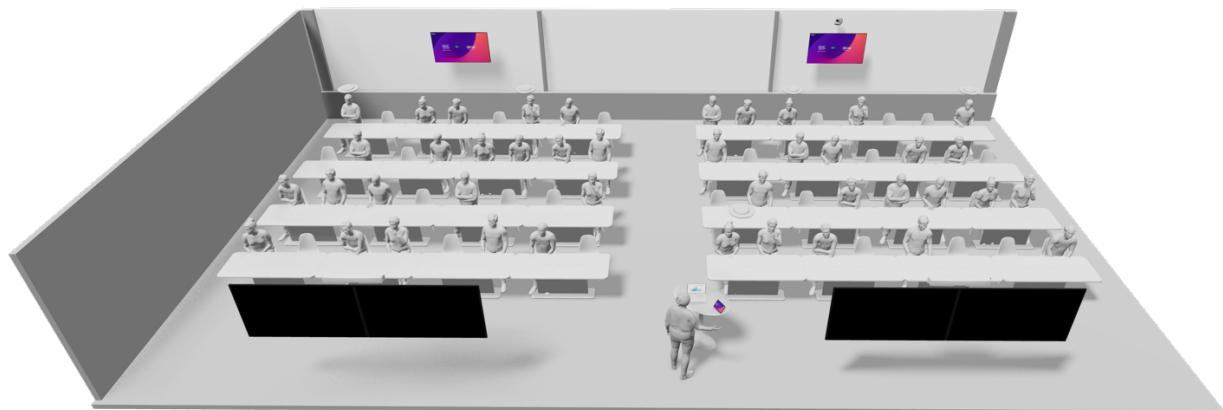


Divisible Workspace Blueprint

Installation Guide

Version: 0.9.2 (Beta)

This document provides the installation instructions for the Divisible Workspace Blueprint. This blueprint leverages Cisco Pro Series Microphones, Catalyst Switches and Cisco Video Devices to provide a simplified, easy to deploy, scalable offering for Divisible Workspaces.



All the documentation available on GitHub:
<https://cs.co/divisibleworkspaceblueprint>

Best effort and community level support provided via a Webex messaging space. You can join using this URL: https://eurl.io/#nakTe_Vn3

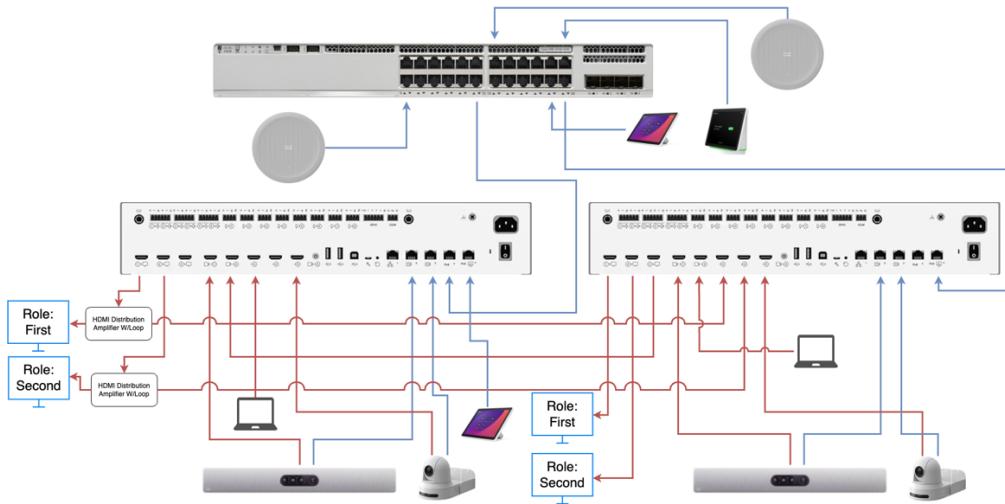
You can find the User Guide documentation here: [User Guide](#)

In-Room Installation

Physical Wiring

The blueprint provides several validated wiring schematics based on the Codecs selected, number of secondary room displays and the Catalyst 9K Switch.

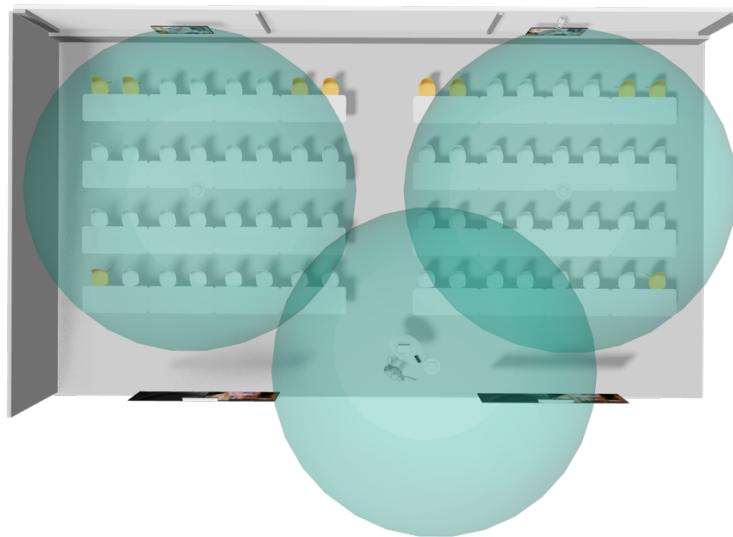
Example Diagram:



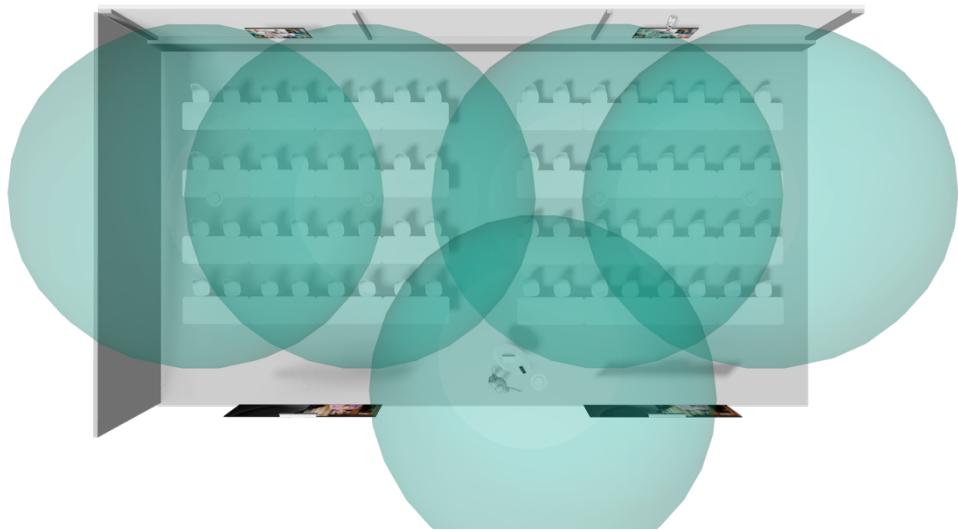
Microphone Installation Guidance

When installing Ceiling Microphone Pros you will want to follow these core concepts:

1. Center the Audience Microphones over the middle of the audience area.



2. If required for room width, add a second microphone to the audience area.



3. Your presenter Microphone should be positioned towards the middle of the combined space as close to the center line area as possible. This allows for adequate coverage of the "Stage" area configured for Presenter Tracking.



Presenter Track Example Perspective

*Please do **not** power on your Codecs or Switch until instructed to.*

Configuration Tasks:

Step 1: Factory Reset Your Switch (If required)

Perform a factory reset using the command:

```
write erase
```

Power off the switch when completed.

Step 2: Prepare the USB Key

Format a USB Key with a **4GB FAT32** partition.

Place the `ciscortr.cfg` file into the **root directory** of the USB Key.

*Please do **not** rename the file or place it into any subfolder.*

Step 3: Configure the Switch

Insert the USB Key into the front port of the **Catalyst 9K Series**.

Power on the switch.

*Please do **not** power on the Codecs yet.*

*The auto-configuration will take approximately **6 minutes**.*

Step 4: Control Hub Configuration

Log in to [Control Hub](#).

Select **Devices** from the left-hand menu.

Click on **Templates** and then **Create Template**.

Provide a descriptive name, e.g., "*Divisible Workspaces*".

Configure the Template with the following configurations and values:

Attribute	Value
HttpClient > AllowInsecureHTTPS	True
HttpClient > Mode	On
NetworkServices > HTTP > Mode	HTTP + HTTPS
Macros > Mode	On
Macros > EvaluateTranspiled	False
Video > Input > CameraConfigMode	Auto

Example Screenshot:

The screenshot shows the Control Hub interface for creating a new template named "Divisible Workspaces". The page is divided into two main sections: "General" and "Details".

General: Describes the template as setting required configuration settings for Divisible Workspaces. It shows 5 Configurations.

Details: Shows the last edited date (03/27/2025) and last edited by (Mark Lula). It also shows the creation date (02/28/2025) and created by (Mark Lula).

Configuration Table: A table showing the configuration settings and their current values:

Configuration	Value
HttpClient > AllowInsecureHTTPS	(Default) → True
HttpClient > Mode	(Default) → On
Macros > Mode	(Default) → On
Video > Input > CameraConfigMode	(Default) → Auto
Macros > EvaluateTranspiled	(Default) → False

Step 5: Register Codecs

Power on your codecs.

Register them to their respective Workspaces in Control Hub.

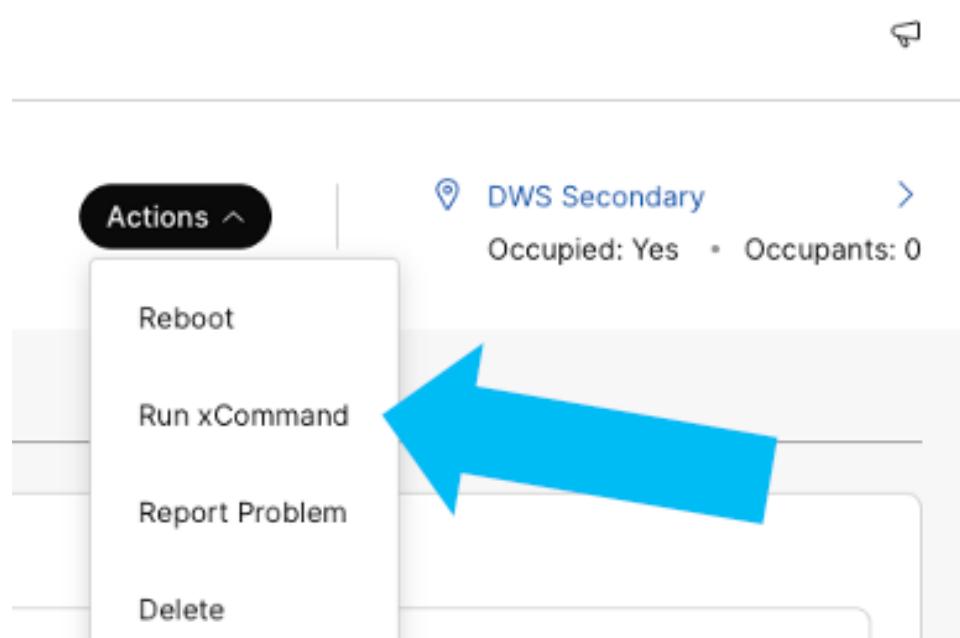
Step 6: Apply Configuration Template

Apply the previously created configuration template to **both devices**.

Step 7: Configure the Secondary Room

Open the device page for the **Secondary Room**.

Click **Actions** and select **Run xCommand**.



Navigate to **UserManagement** and select **Add**.

Run xCommands

This interface lets you run xCommands on the selected device. To learn more about xCommands, visit the [RoomOS Documentation](#).

Search for a command name

Time

UserInterface

UserManagement 12

UserPresence 3

GetState

UserManagement > User

Add

Delete

Get

Complete the highlighted values:

Arguments

* indicates a required field

Role *

Admin

Audit

User

Integrator

RoomControl

ClientCertificateDN

string

Active

True

Username *

YOUR USERNAME

Passphrase *

YOUR PASSWORD

YourPassphrase

string

ShellLogin

Select an option

PassphraseChangeRequired

False

Click **Execute**.

Step 8: Download Wizard Macro

Download the **DWS_Wizard.js** macro file from here: [Macro](#)

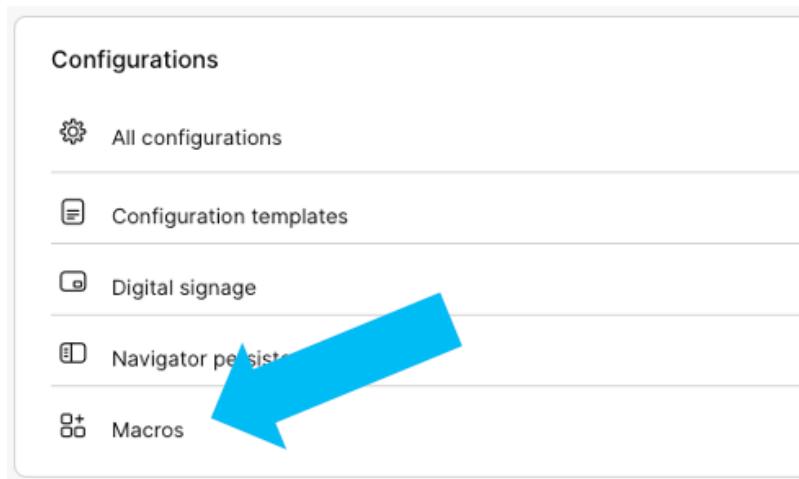
Note, your browser may restrict the download due to it being a JavaScript file.

The remaining Macros in the GitHub repository are automatically loaded during setup. You do not need to download them.

Step 9: Deploy the Wizard to the Primary Room

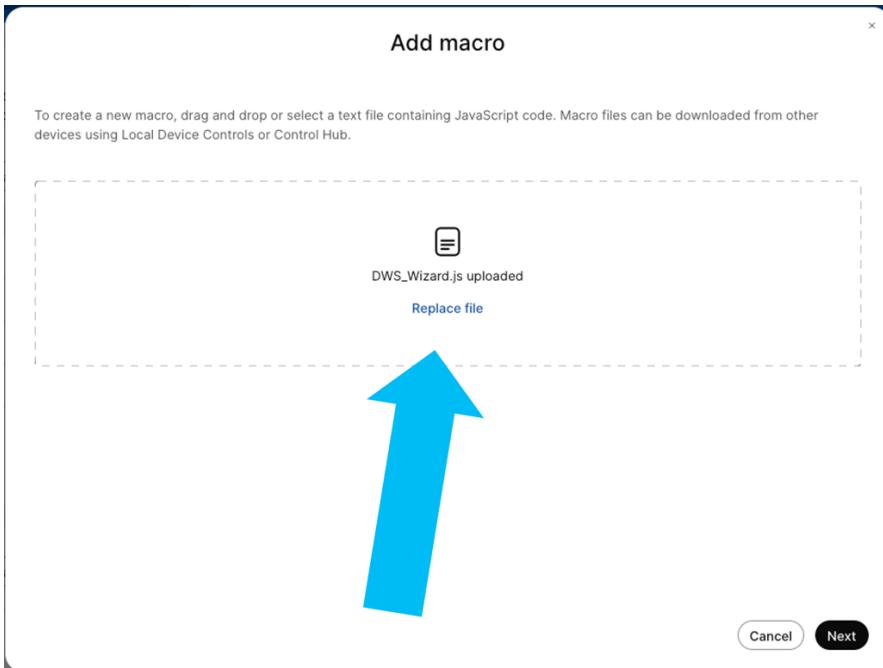
Open the device page for the **Primary Room**.

Select **Macros**.



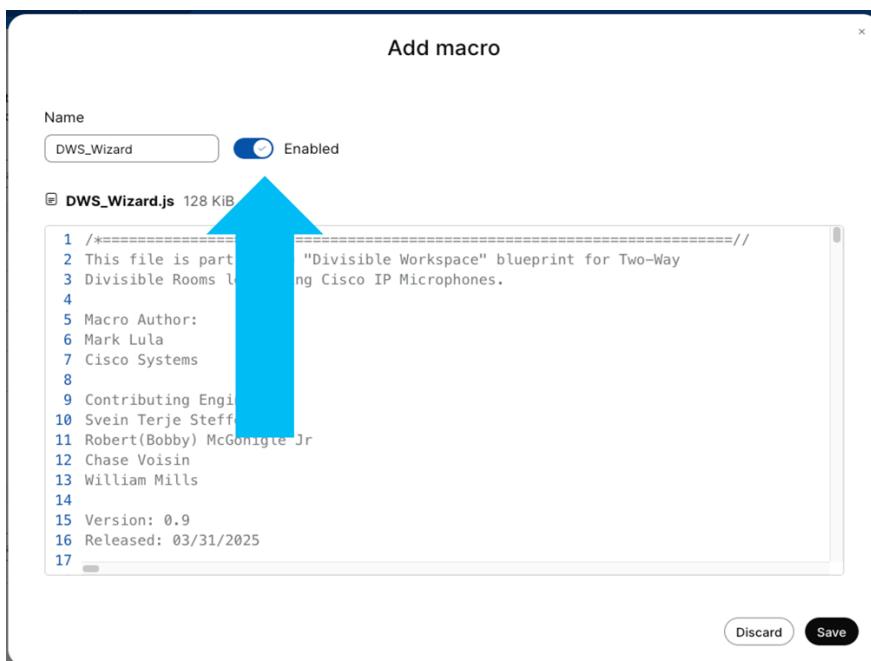
Click **Add Macro**.

Upload the **DWS_Wizard.js** file.



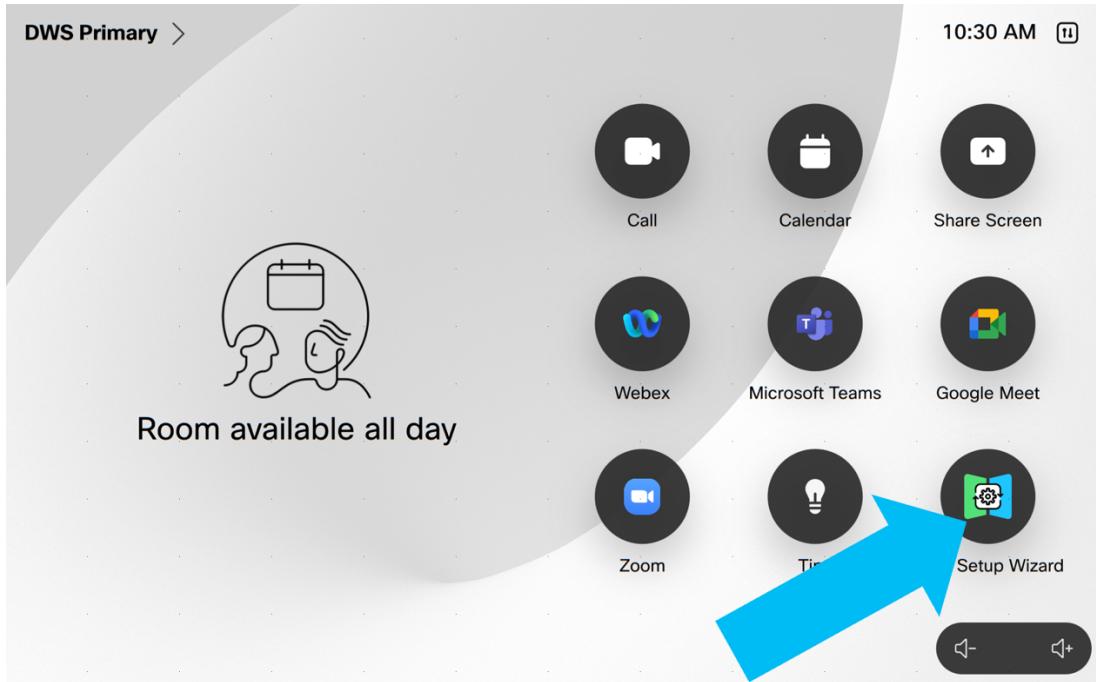
*Do **not** rename the macro.*

Ensure the **Enabled** toggle is switched on and Click **Save**.



Step 11: Complete the Setup Wizard

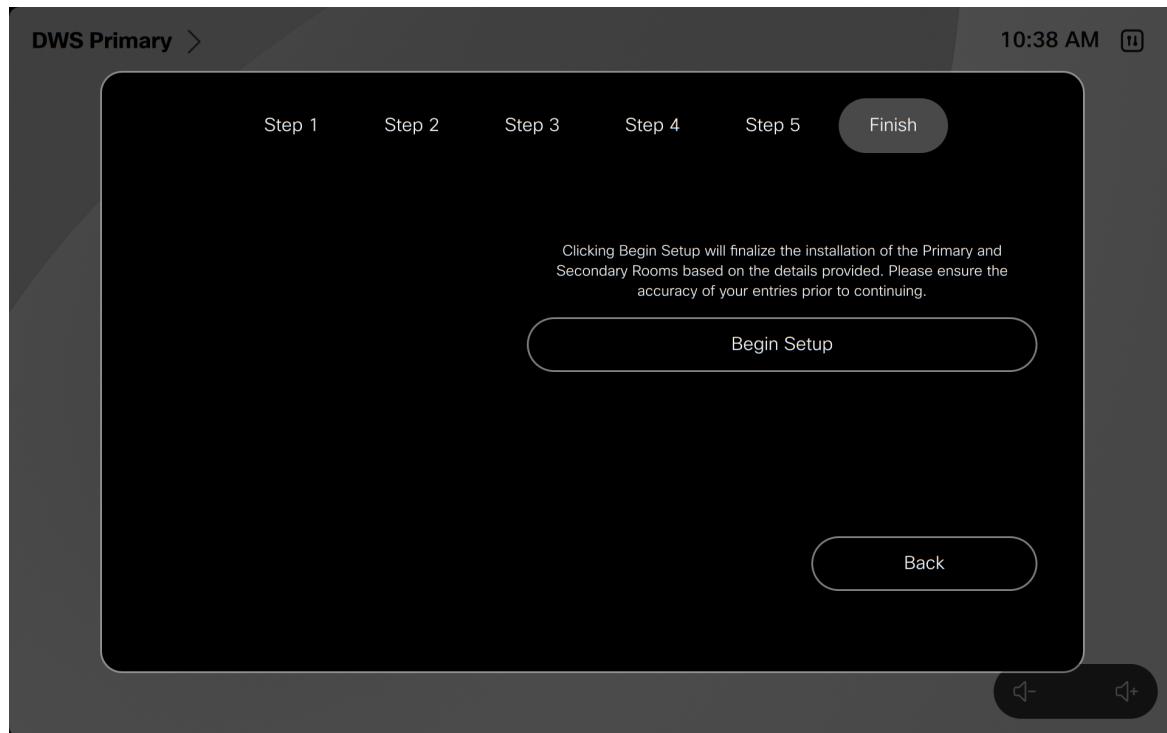
On the room Navigator, select **DWS Setup Wizard** from the home screen.



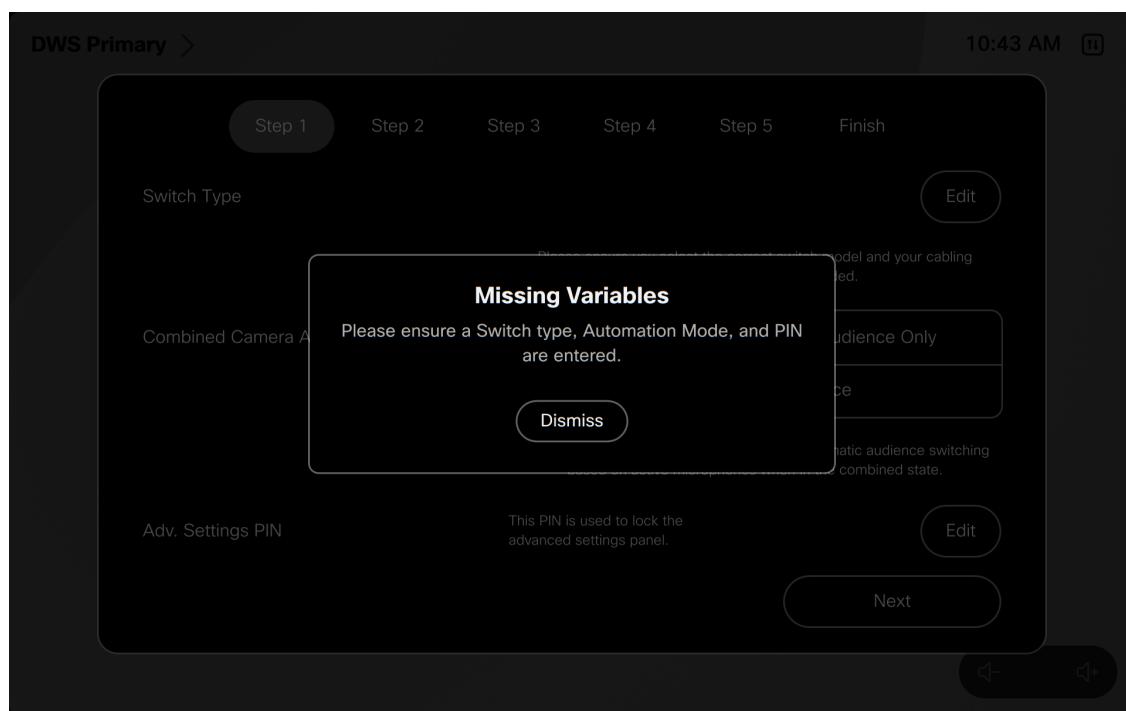
Complete each step of the wizard.

The image shows the 'DWS Primary' setup wizard interface, specifically Step 1: Switch Type. The top navigation bar includes tabs for Step 1, Step 2, Step 3, Step 4, Step 5, and Finish. Below the tabs, there is a section titled 'Switch Type' with an 'Edit' button. A note states: 'Please ensure you select the correct switch model and your cabling matches the diagrams provided.' There are three options for 'Combined Camera Automation': 'Off' (selected), 'Audience Only', and 'Presenter and Audience'. A note below these options says: 'This will set the default operation mode for automatic audience switching based on active microphones when in the combined state.' At the bottom left is an 'Adv. Settings PIN' section with an 'Edit' button, explaining that it is used to lock the advanced settings panel. At the bottom right is a large 'Next' button, and at the very bottom are volume control buttons.

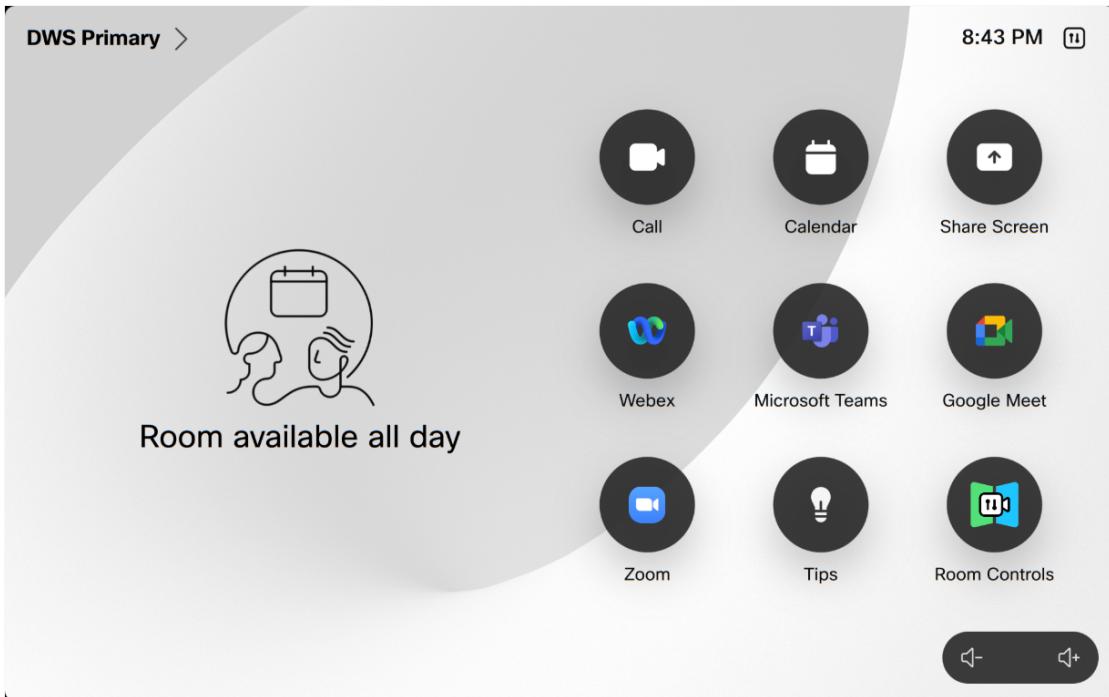
Click **Begin Setup** to finalize your configuration.



You *may* be prompted to fill in any required field that was missed.



On the Room Navigator Home screen, you should now see the **Room Controls** button.



Installation Complete!