Extron

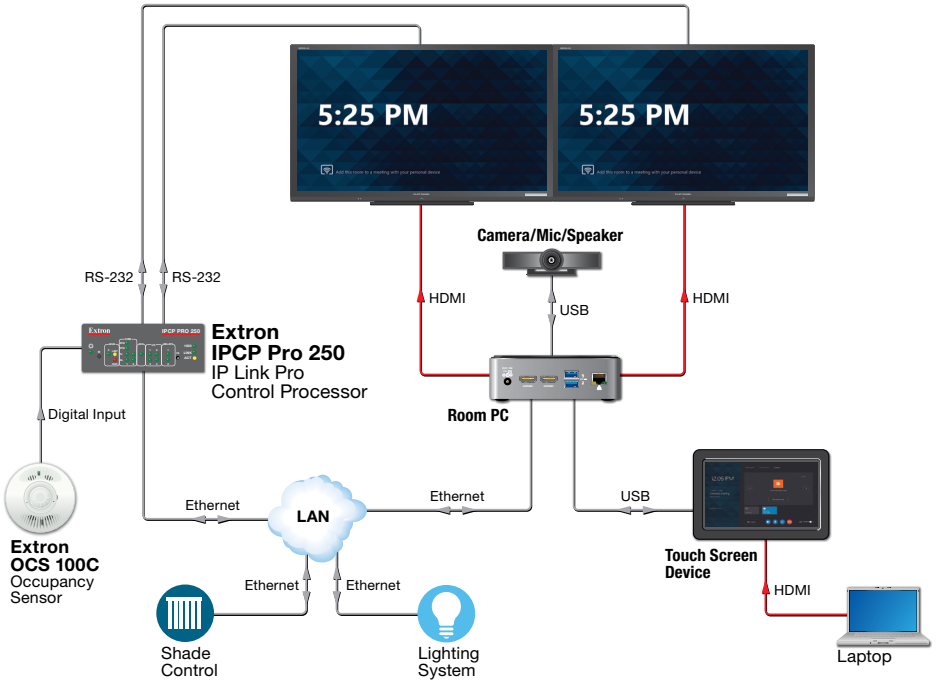
Extron Control for Microsoft Teams Rooms • User Guide

Extron Control for Microsoft Teams Rooms adds Extron AV control to the full range of conferencing features provided by the Microsoft Teams Rooms application, which runs on a variety of devices, including Logitech® Tap, Logitech SmartDock, and Lenovo® Hub 500, thus allowing a single device to deliver both collaboration and control solutions for any presentation application.

The software is deployed through an MSI file via the Microsoft System Center Configuration Manager (SCCM), which allows administrators to install and manage the application remotely.

Once enabled and configured, the Extron Control for Microsoft Teams Rooms application shows the Extron Control for Web HTML 5 virtual TouchLink® panel (vTLP) page, which can be configured with Extron Global Configurator Plus and Professional (GCP) or programmed with Global Scripter (GS). It allows various room functions, including shading, lighting, and display inputs to be controlled.

MTR Compute and Touchscreen Control panel (Logitech Tap)



All-in-One MTR System (Logitech SmartDock, Lenovo Hub 500)

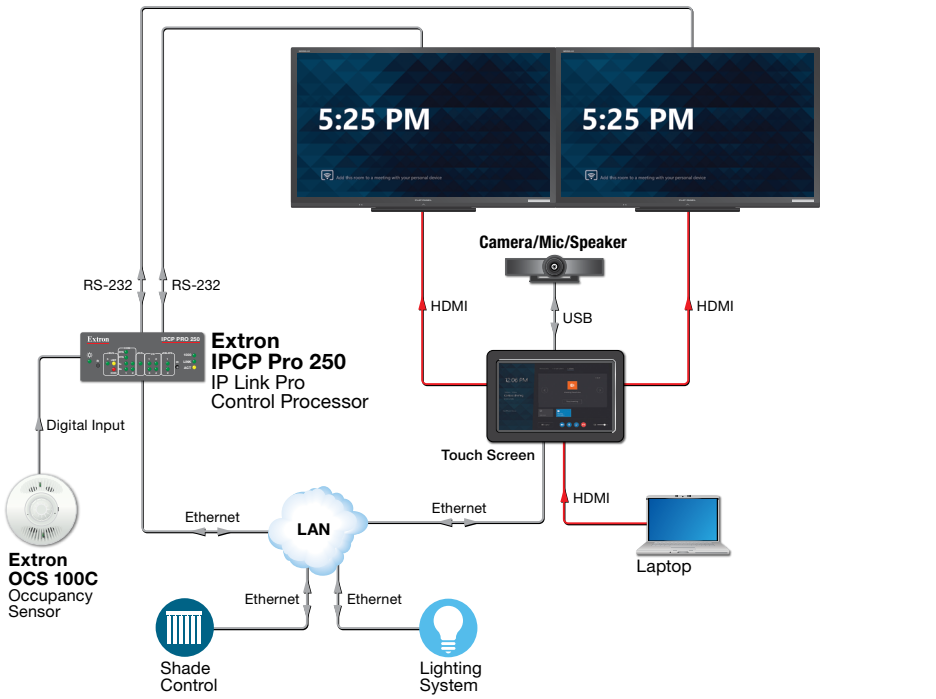


Figure 1. Extron Control for Microsoft Teams Rooms Application Diagram

Requirements

The following are required to run the app:

- Either a Logitech Tap, Logitech SmartDock or Lenovo Hub 500 device with Microsoft Teams Rooms.
- Extron IPCP Pro control processor with User Interface Upgrade LinkLicense (see **www.extron.com** for suitable models)
- Microsoft Teams Rooms GUI Designer system template file.
- Extron Control for Microsoft Teams Rooms MSI Installer.
- Extron Control for Microsoft Teams Rooms GCP Driver or GS Module.
- Extron software (see **https://www.extron.com/download/software.aspx?material=2**)

  GUI Designer version 1.11.0 or later

  Global Configurator Plus (GCP) version 3.5.1.x or later* or Global Scripter (GS) version 2.2.0.x or later

NOTES:

- Use GCP to configure functions associated with the template or GS to program functions associated with the template.
- If required, the GUI Designer can be used to customize the GUI template.

GCP Configuration

1. Download the following from the Extron website:

   The Extron Control for Microsoft Teams Rooms GCP driver

   The Extron Control for Microsoft Teams Rooms GUI Designer template zip folder.
2. Make a note of the following:

   Control processor user name and password for later use.

   IP address and MAC address to locate device in GCP or Toolbelt.
3. Open a GCP project.
4. In the project add an Extron control processor and Extron Control for Web Panel (vTLP).
5. Import required Microsoft Teams Rooms GUI template, found in the downloaded zipped folder.
6. Add the driver for other devices that need to be controlled.
7. Add the driver downloaded in step 1 to the Ethernet ports on the control processor (see figure 2, ❶).

NOTE: The following steps show configuration with GCP. For GS, see the *Global Scripter Help File.*

a. Select the ethernet port with the Extron Control for Microsoft Teams Rooms driver (❶).

b. Enter the IP address/hostname of the Microsoft Teams Rooms compute (❷).



Figure 2. Change the IP Address

c. Click **VTLP Name** (see figure 3, ❸) to select it.

d. Enter the name of the vTLP in the **Set To** text box (❹).

NOTE: The name entered in the **Set To** text box (❹) must match the name in black text (❺). In this case, the text is `Logitech SmartDock`.

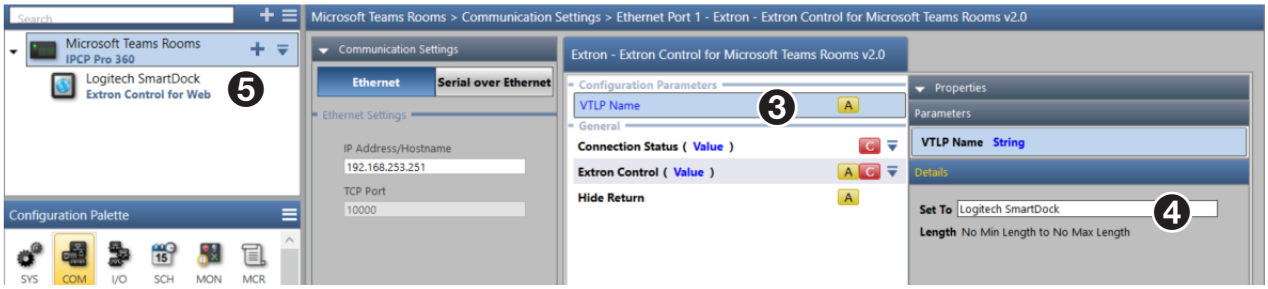


Figure 3. Control Processor to MTR device communication

8. Build the GCP or GS file, and upload it to the controller.

Special Notes

The Extron Control for Microsoft Teams Rooms application by default creates a **Back to Rooms System** (see figure 4, ❶) button found on the `Room Control` page.

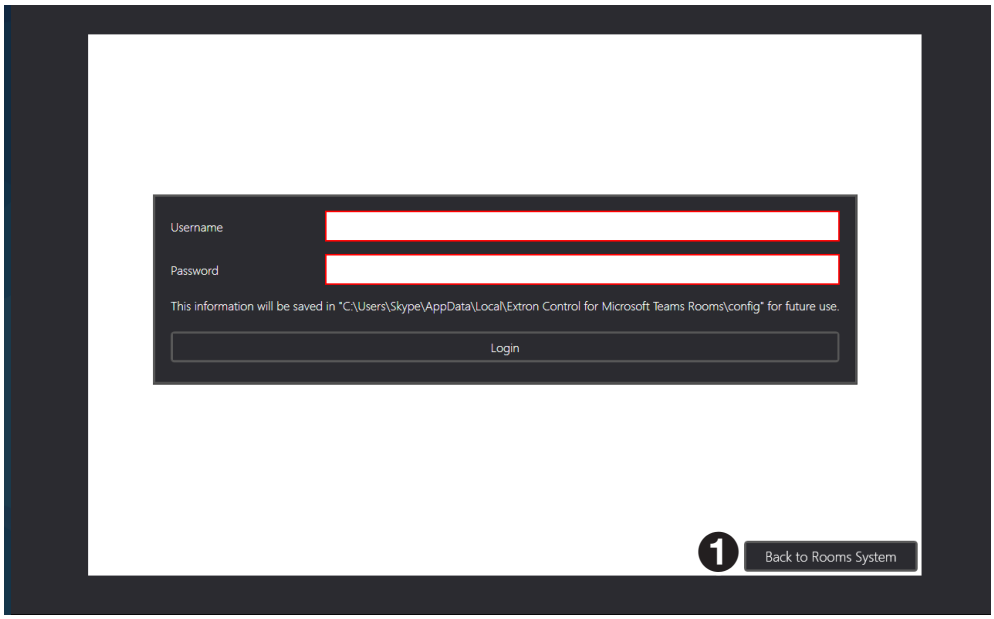


Figure 4. Room Control Page

To hide **Back to Rooms System**, please follow these steps.

1. In the GCP file, create a new monitor.
2. Assign “System Initialized” state equals “True,” to the monitored conditions.
3. Assign “Hide Return” command from the Extron Control for Microsoft Teams Rooms driver to the monitored actions.
4. Build the GCP file, and upload it to the controller.

Installing the Extron Control for Microsoft Teams Rooms Application

Setting up the Microsoft Teams Rooms Compute

1. Set up a Microsoft Teams Rooms system before installing the Extron Control for Microsoft Teams Rooms application.
2. Download and install the Extron Control for Microsoft Teams Rooms MSI Installer on a supported Microsoft Teams Rooms device. The MSI file can be used directly via SCCM command line, via a batch file, or PowerShell™ script.

   Extron recommends that the software is installed via SCCM (see figure 5) as this allows IT professionals to manage, deploy, and troubleshoot remotely.

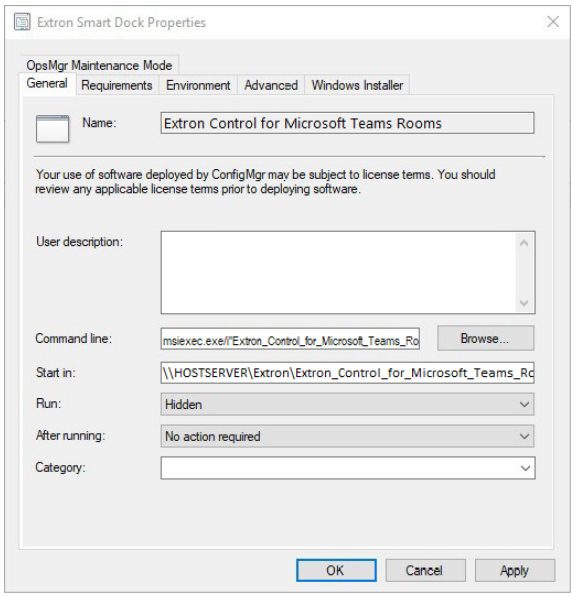


Figure 5. Microsoft System Center Configuration Manager

3. Once the software is installed, reboot the Microsoft Teams Rooms device.
4. After rebooting, the home screen is visible (see figure 6). The **`Rooms Control`** option (❶) is available in the bottom right corner of the screen.

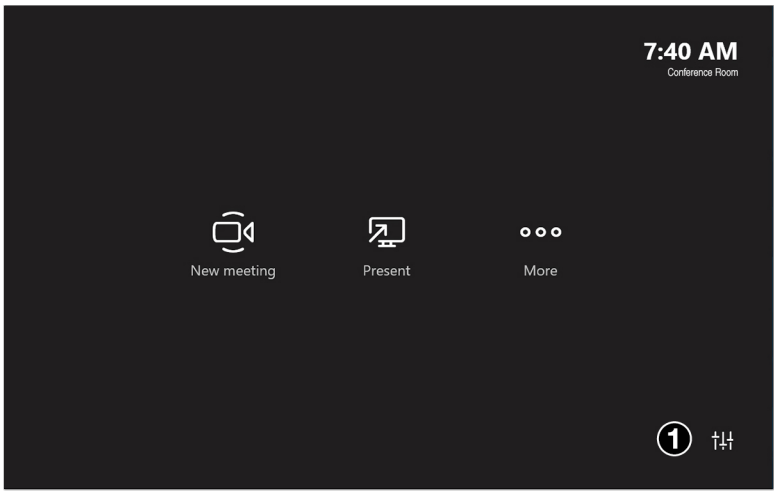


Figure 6. Microsoft Teams Rooms Viewer Home Screen with Control Icon

Using Extron Control for Microsoft Teams Rooms for the First Time

When you use the program for the first time, you must configure it. This is a one-time setup.

1. Open the Extron Control for Microsoft Teams Rooms application by clicking the **Room Controls** icon.

   The Login screen opens:

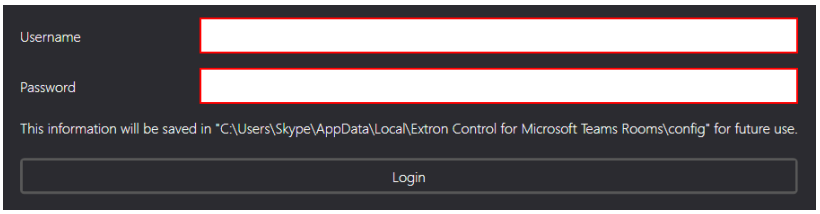


Figure 7. Login Screen

2. Enter the username and password to access the **Extron Control** page. These are the username and password for the IPCP Pro control processor. See the user guide for the control processor for important information about passwords.

   NOTE: Either the administrator or user account works, but Extron recommends using the user account.

   If the username and password are entered incorrectly, the login screen clears, and you are required to re-enter the information.

3. Click **Login**.

   Windows Defender Firewall may prompt user for permission:

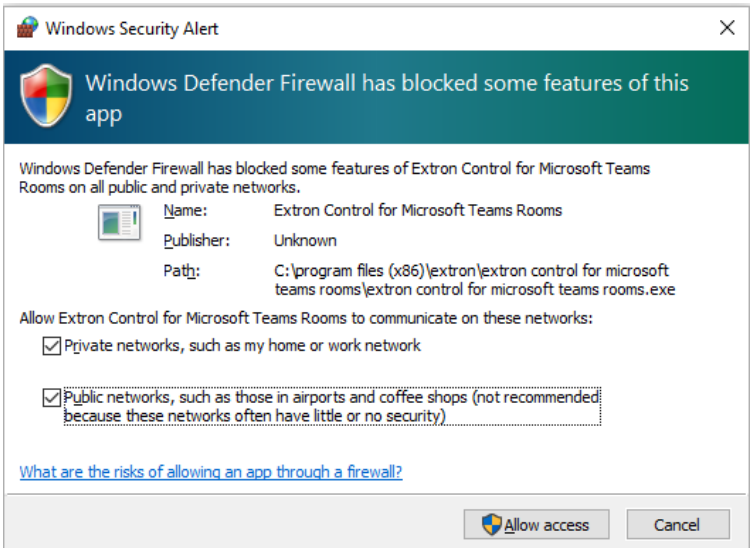


Figure 8. Windows Defender Firewalls

4. Allow both Private and Public network access.
   The Security Certificate screen opens:

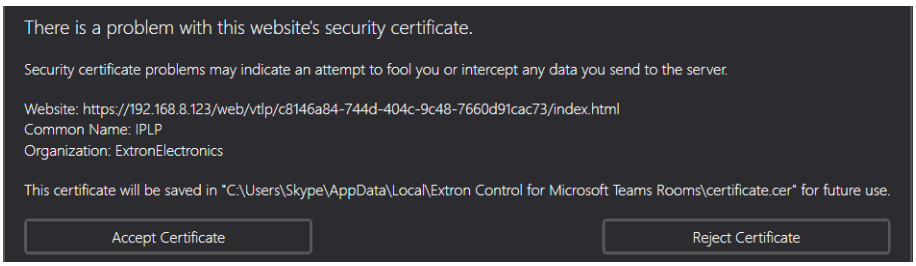


Figure 9. Security Certificate

5. Click either **Accept Certificate** or **Reject Certificate**.

   Accept Certificate — User agrees to store the Extron self-signed certificate for this user interface. The Microsoft Teams Rooms device will now display the vTLP screen.

   Reject Certificate — User rejects the Extron self-signed certificate for this user interface. The Microsoft Teams Rooms device will not display the vTLP screens and the user is returned to the `Login` screen. To access the vTLP screens, the user must install a certificate manually, using Windows Certificate Manager, and then restart the device.

   Once the user selects **Accept Certificate**, the web page loads and a prompt shows "`Is the correct page being displayed?`"

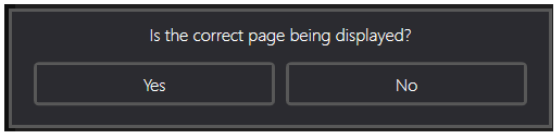


Figure 10. Correct Page Prompt

- If you select **Yes,** Extron Control for Microsoft Teams Rooms opens.
- If you select **No**, user is returned to the `Login` screen (see figure 7, above) to enter the correct information.

Using Extron Control for Microsoft Teams Rooms After the First Time

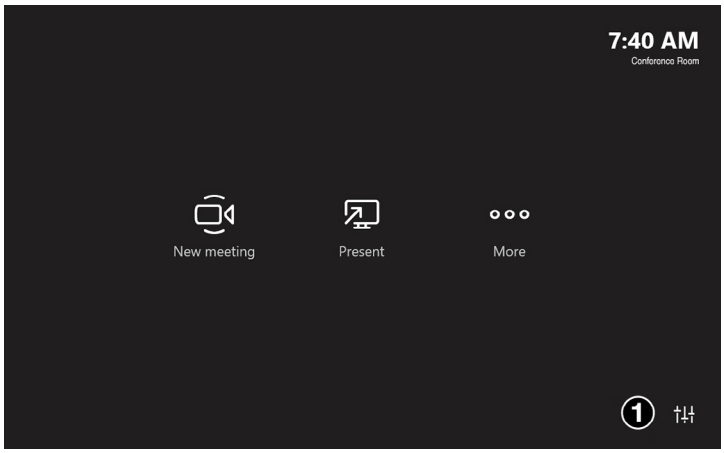


Figure 11. Out of Call

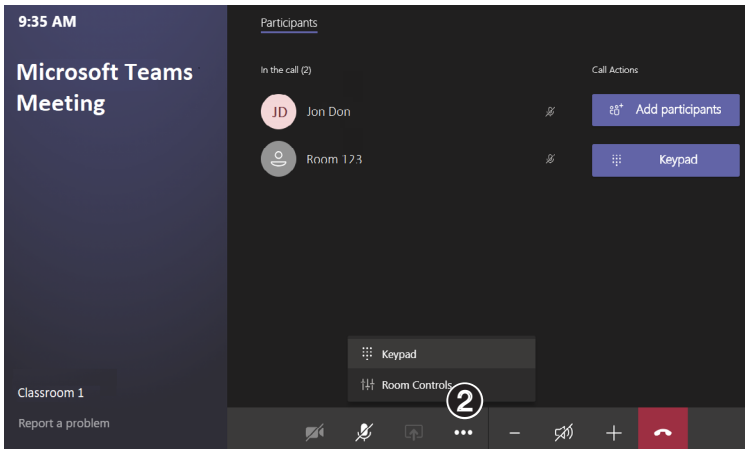


Figure 12. In Call

Out of Call

Click the **Room Control** icon (see figure 11, ❶). The **General Screen** opens.

In Call

Figure 12 shows the screen when Extron Control for Microsoft Teams Rooms is configured to use Microsoft Teams. The screen looks different if you are using another software program, such as Skype for Business.

The **More** icon (...) (see figure 12, ❷) and other options are now in the toolbar at the bottom of the window.

NOTE: If you are currently making a call but the call has not yet been accepted, the **More** icon is gray and inaccessible.

This icon provides access to **Room Controls**.

Default vTLP Screens

By default, the GUI Designer system templates provides five virtual TLP screens (`General, Camera, Display`, `Lighting`, and `Shade Controls`). Use the tabs on the left side of the screen to switch between the five. Use GUI Designer and GCP or GS to customize the screens.

General Screen

To open the `General` Screen, click **`General`**.

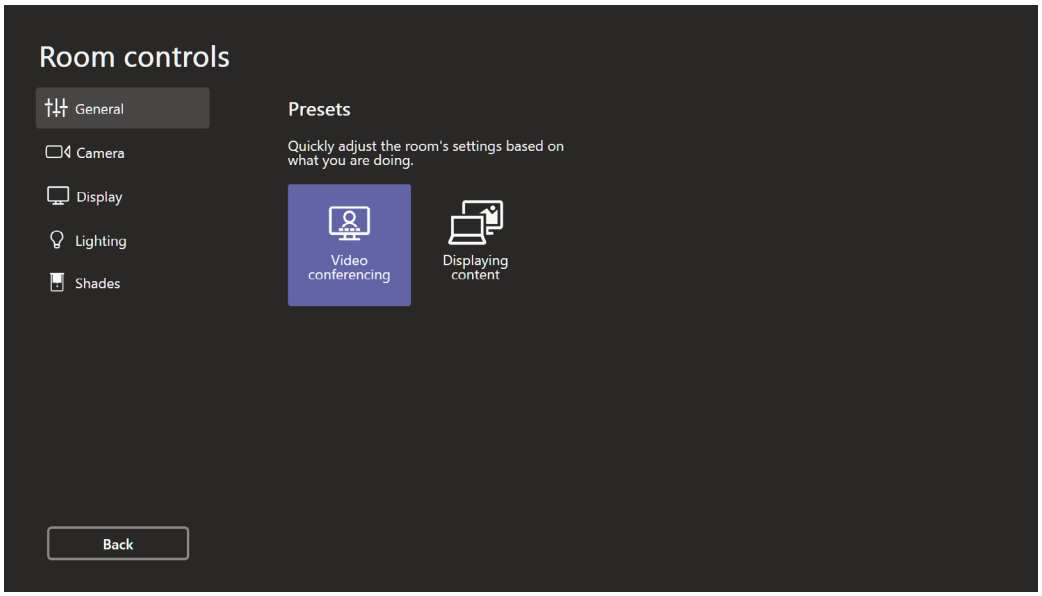


Figure 13. General Screen

This screen can be used to automatically set up the room based on meeting type, or customized by adding commonly used buttons or features.

Camera Screen

To open the `Camera` Screen, click **`Camera`**.

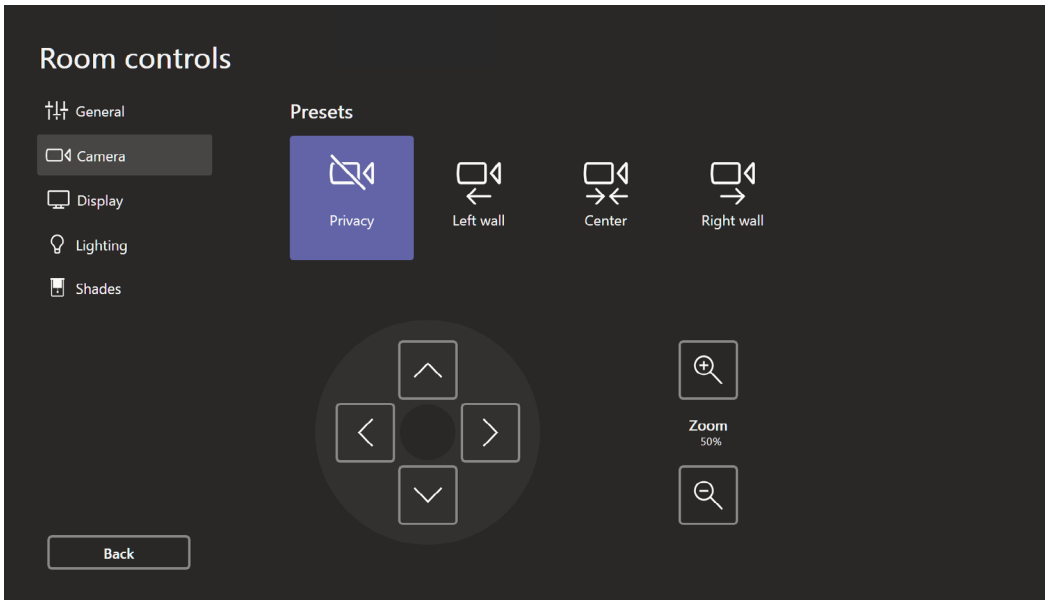


Figure 14. Camera Screen

This screen shows camera presets and camera controls.

Display Screen

To open the `Display` screen, click **`Display`**.

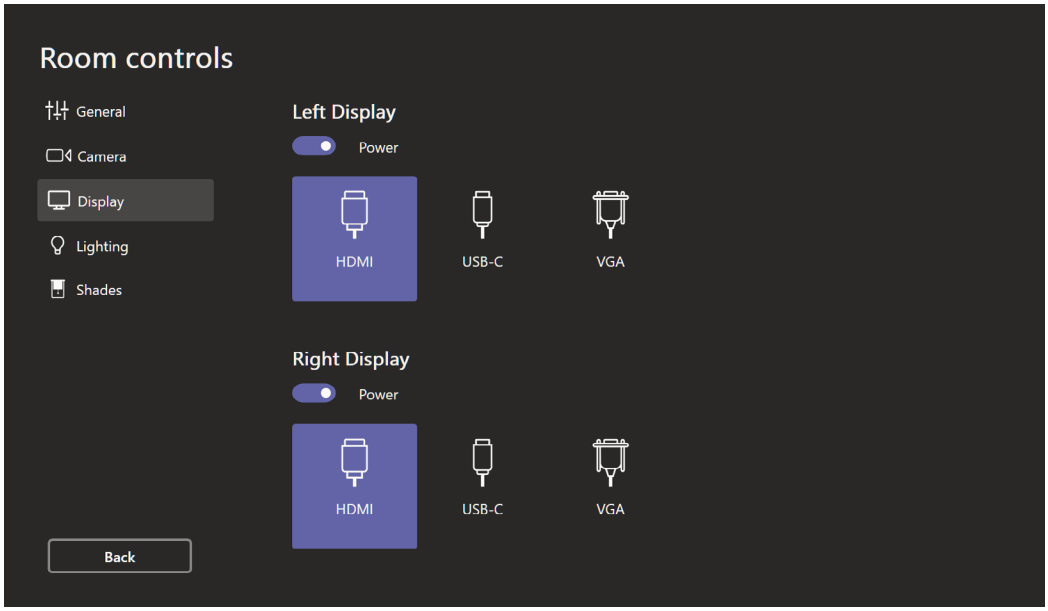


Figure 15. Display Screen

This screen shows switchable display input sources, for a dual display room.

Lighting Screen

To open the `Lighting` screen, click **`Lighting`**.

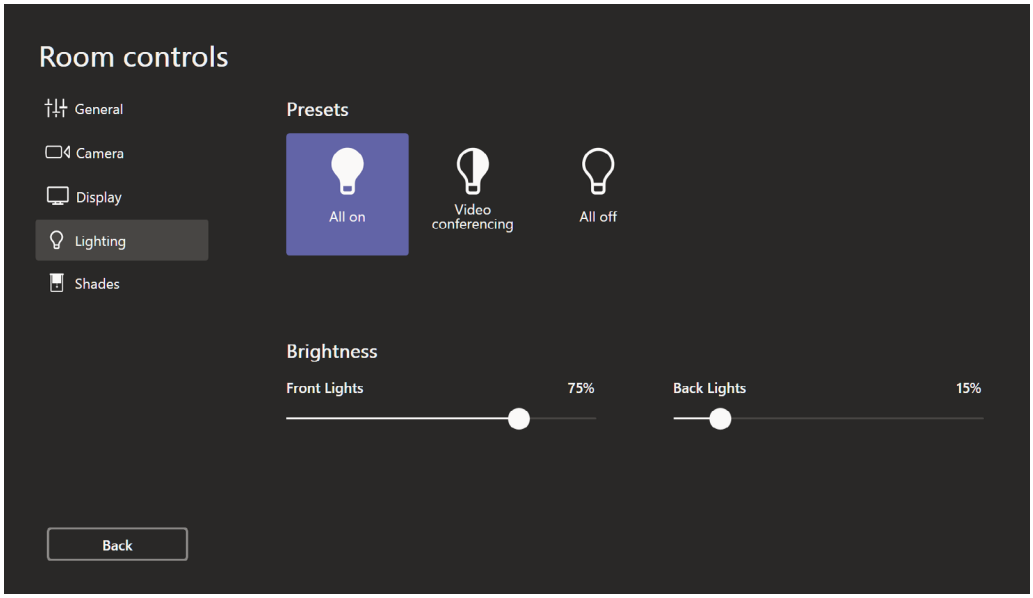


Figure 16. Lighting Screen

This screen can be used to increase or decrease the brightness of the lights or to activate a preset lighting configuration.

Shades Screen

To open the Shade screen, click **Shade**.

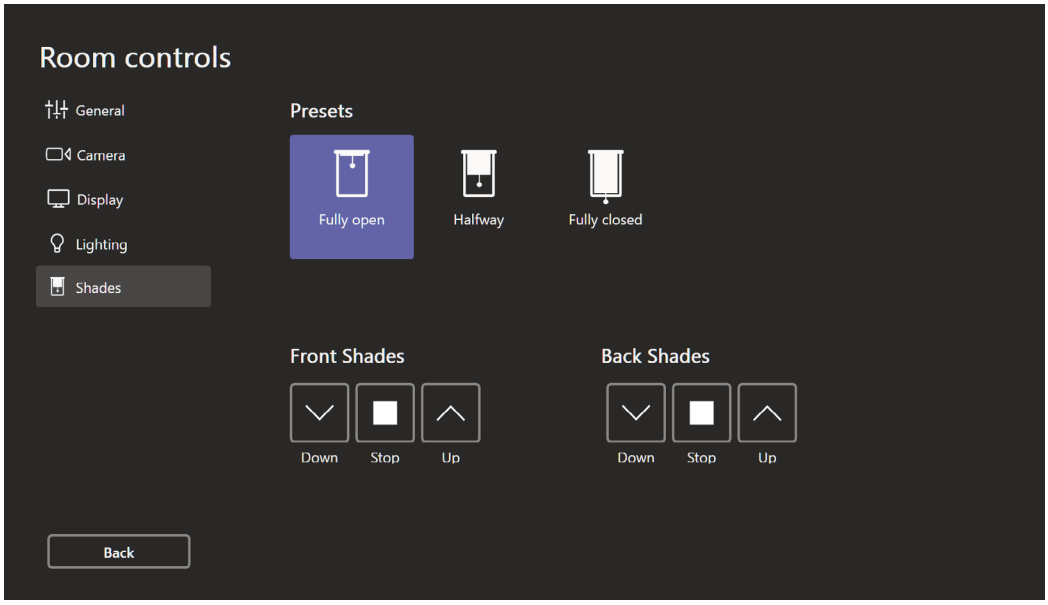


Figure 17. Shades Screen

This screen can be used to adjust the room shades or to activate preset shade configurations.

Changing Controller Credentials

If the control processor credentials have been changed, the Microsoft Teams Rooms system requires a reboot. After the reboot, The Login screen opens (see **figure 7** on page 5) and the new credentials must be entered.

Deleting Controller Credentials and Certificate

If it becomes necessary to delete the user name, password, and certificate data, it can be done from the MTR `Admin` account.

1. Log into the `Admin` account.
2. Launch the Extron Control for Microsoft Teams Rooms application.

   The following dialog box appears:

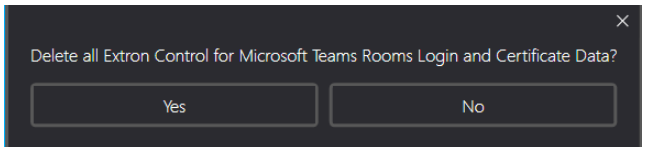


Figure 18. Deleting Credentials and Certificate Screen 1

3. If you click **`No`** or close the dialog box by clicking **`X`**, the prompt closes and no changes are made to the data.

   If you click **`Yes`**, a second prompt asks you to confirm that you want to delete the data.

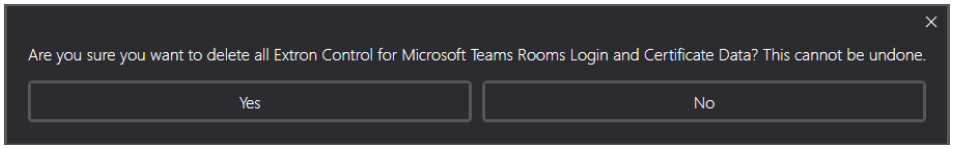


Figure 19. Deleting Credentials and Certificate Screen 2

4. If you click **`No`** or close the dialog box by clicking **`X`**, the prompt closes and no changes are made to the data.

   If you click **`Yes`**, all user-entered files (user name, password, and certificate) are deleted.

   The final screen appears:

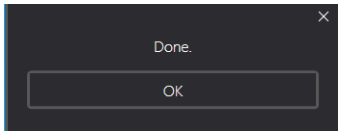


Figure 20. Reset Complete Screen

To re-enter the information, log out of the MTR `Admin` account and log into the Skype/Teams account. Follow the instructions shown in **Using Extron Control for Microsoft Teams Rooms for the First Time** on page 5.

Uninstalling Extron Control for Microsoft Teams Rooms

1. Log into the MTR `Admin` account.
2. Open **`Add/Remove Programs`**.
3. Select **`Extron Control for Microsoft Teams Rooms`**
4. Click **`Uninstall`**.

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