Cloud Systems

atmos™

Room Control

for the
Cisco Cius
powered by
atmospherics® 2.3

atmos™ room control | simplified™

Version 1.4

Please consider the environment before you print this guide.

NOTE: If you print this guide, please reference our website periodically to obtain the most recent version.

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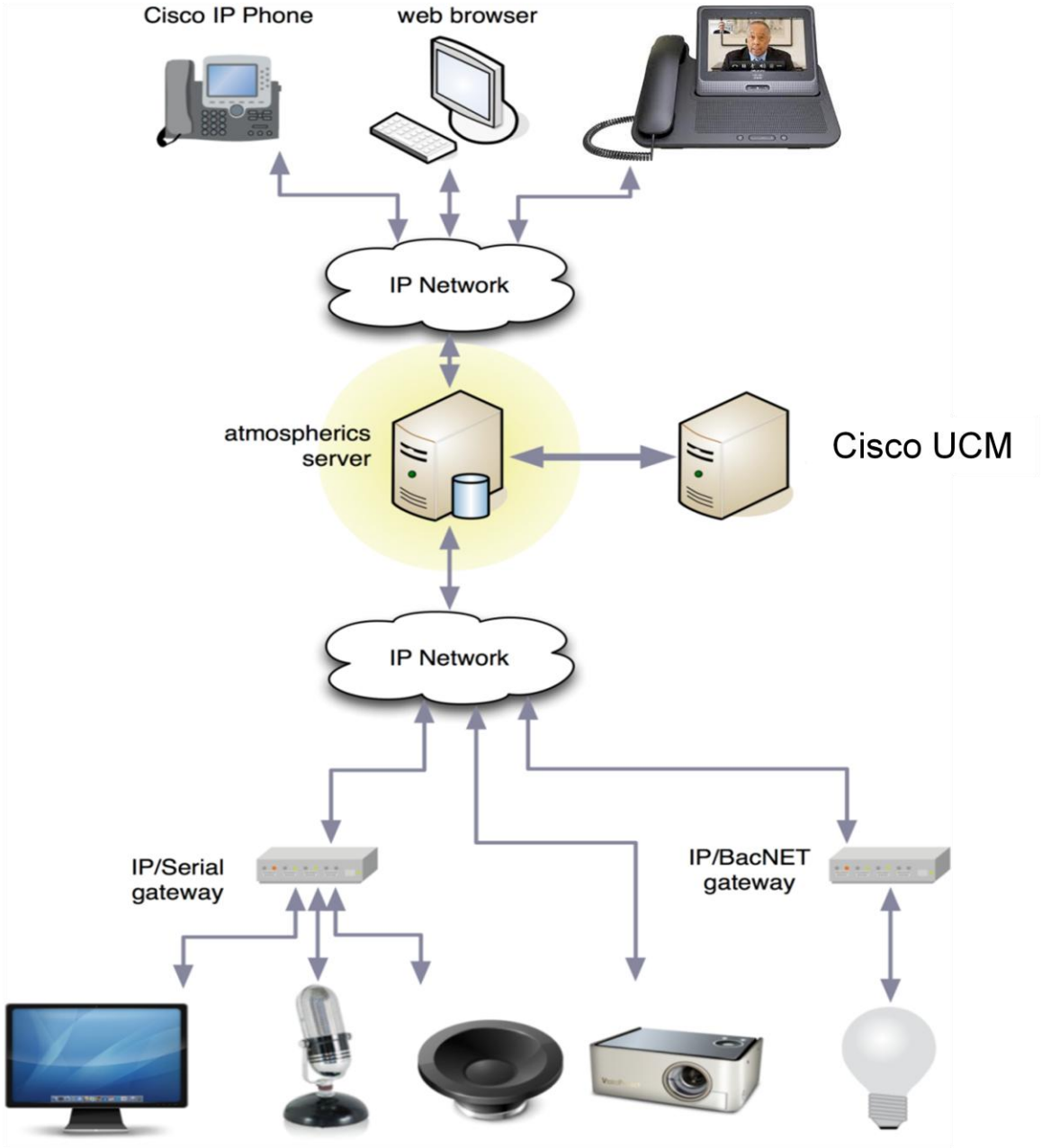
Introduction

Welcome to the user guide for **atmos™ room control app** for atmospherics® 2.3 and the Cisco Cius. This guide will take you through all the features of the app, as well as how to configure each of them. Once you have atmospherics installed and configured, you can reference this guide to set up your room control app. In addition to this guide, there are short training videos available on the Cloud Systems website that quickly cover the most common elements of atmospherics configuration. (http://cloudsystems.com/training-videos)

Acceptance of the End User License Agreement (EULA) for atmospherics 2.3, **atmos™ room control** and PostgreSQL is required in order to properly install and configure the environment to run atmospherics. The EULAs outline various terms under which the specific software application may be used. It is important that these are reviewed and that the terms understood prior to pressing Accept, and continuing the installation. Cloud Systems' integration with this third-party resource is compliant with the terms and conditions as set forth by the manufacturers.

Additional applications, software and drivers may be required to communicate between the control server and the specific devices in your system design. These requirements are dependent on the unique requirements of these specific devices, and are not addressed in this document. Please refer to the manufacture provided documentation for the specific hardware used in your system to ensure the necessary resources are installed on the control server. Communication with devices requiring additional software resources on the control server should be confirmed following the instructions provided by the manufacture of the devices. atmospherics requires exclusive access to devices on the system to ensure proper functionality.

atmospherics® Typology



Minimum System Requirements

atmos™ room control app Requirements

HARDWARE REQUIREMENTS for the **atmos™ room control app**
Cisco Cius™

SOFTWARE REQUIREMENTS
atmos™ room control app
atmospherics® 2.3 (installed on a server as specified below)

OPERATING SYSTEM REQUIREMENTS
Android 2.2

Server Requirements for atmospherics 2.3

The minimum system requires for the server on which you install atmospherics are as follows:

MINIMUM HARDWARE REQUIREMENTS
x86 2.8Ghz or better processor
2 GB RAM
80 GB Hard Drive

OPERATING SYSTEM REQUIREMENTS
Windows 2003 Server or better
VMware
Intel chipset with at least one dedicated core
Clock speed approximately 3GHz
2GB RAM
80GB Hard Drive

The server application operates as a Windows Service, Linux or VMware server application and stores relevant information in a SQL Database. atmospherics manages requests from clients, such as **atmos™** and sends control commands providing a wide variety of monitoring capabilities. The SQL database maintains the configuration settings of the system.

Client Requirements

The atmospherics® Flex Client requires a Web Browser supporting Adobe Flash 8.0 or newer

atmospherics provides two primary web interfaces; an HTML-based user interface for administrative functions and a Flex Client interface for controlling devices.

The **atmos™ room control app**, available through the Cisco AppHQ™, is specifically designed for the Cisco Cius™ to enable room control of any room configured in atmospherics, from anywhere!

Administrative Interface: The administrative interface is a forms-based HTML application viewed with a standard browser. This console allows the system administrator to perform advanced configurations of the server application.

Web Interface Client: atmospherics automatically generates a user interface (UI) from the information that is stored in its database. This interface allows for the control of all system resources connected to the server, that are configured in atmospherics. The dynamic interface generates a .swf file, created by Adobe Flash®, and is accessible using any standard browser that supports Adobe Flash version 8 and newer. Access connectivity to the server is required for this interface to operate. For more information on the Flex Client, please see the atmospherics flex client | simplified Guide.

Other Types of Clients: atmospherics has the ability to support other non-standard devices that host browsers and IP-enabled devices such as the Cisco Cius, IP Phones and many smart phones. These clients reflect a logical subset of controls available in the self-building interface.

For an overview of atmospherics' Flex Client you may view a brief video on our website. (http://www.cloudsystems.com/training-videos#flex_client)

Third-Party Software Requirements

PostgreSQL Database 8.2 or 8.3 for Windows

Getting Started

Once atmospherics® is installed on your network-enabled server and configured using the web-browser UI, upon log in the **atmos™ room control app** will automatically display the atmospherics configuration to which it is connected.

Installation

Installing the **atmos™ room control app** is simple. First you need to download the free Android app. You have several options from where you can obtain the file.

From Cisco AppHQ

With your Cius device click on the Cisco AppHQ icon. Select **atmos™ room control**. The app description will then be displayed. The app is free, so simply click the Install button and the download will begin.

Once the app is installed, the 

icon will appear with the icons for the rest of your apps. Simply click on the icon to launch **atmos™ room control**.

From Cloud Systems' Website

If your Cius' factory settings are configured to block installation of applications not obtained from Cisco AppHQ, you will be prompted to change the settings. If you are given this option, click Settings, and check the box to the right of "Unknown sources". A pop up will inform you of what the risks are of downloading software from unknown sources. Review and click ok. Once you download the **atmos™ room control app**, you may want to revert to the original settings that block downloads from unknown sources.

With your Cius device, open your web browser and go to: www.cloudsystems.com. The app is free, so simply click the 

icon and you will be directed to the **atmos™ room control** details page. Click on the link and your download will begin.

At the top tray of your Cius, drag down the downloaded files icon. Select atmospherics-android-client, then click install.

The factory settings for apps downloaded outside the Marketplace are set to require an additional level of approval prior to allowing the download and installation.

Logging in

To log in to the **atmos™ room control app**, click the "atmos" icon in your Cius' applications. The first time you launch the app, you will be asked to agree to or refuse the End User License Agreement (EULA). Scroll down the EULA to review the entire agreement prior to selecting your choice. If you select "Refuse" the app will close automatically. If you select "Agree" the app with proceed to the Login screen.

Figure 1 - End User License Agreement (EULA)

Figure 2 - Login Screen

From the Login Screen, enter the atmospherics® URL in the box where indicated.

The URL for the **atmos™ room control app** is comprised of the host name of the server, followed by atmospherics/api, as in:

http://<serverhostname>:8080/atmospherics/api

Enter your Username and Password where indicated. You may also select the check box enabling you to see your password. Then click "Login" and you will be taken to the Room Selection page.

Contact your Network Administrator to obtain your URL, username, and password.

Switching Between Networks

In some cases, users may be given rights to control rooms with **atmos™ room control app** on more than one network.

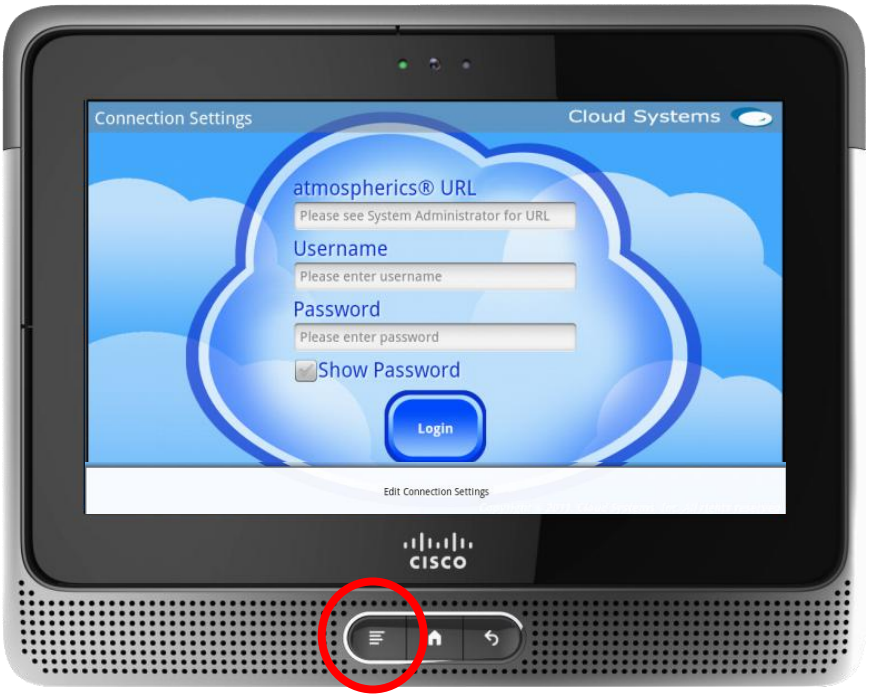


Figure 3 - Menu Button on Cius

To switch between networks you must indicate in **atmos™ room control app** which atmospherics® URL you wish to control. To do so, first launch the app, then simply click the "Menu" button on the Cius device. (The Menu button is the button to the left of the Home button, circled above in red.)

Once you click on the Menu button, you will be given the option to "Edit Configuration Settings". When you select "Edit Configuration Settings" you will be presented with the Login screen where you can change the URL and user name and password if necessary.

Room Selection

Once atmospherics verifies the log in credentials, the user will be directed to the Room Selection page. Only areas where a user has access will be displayed. In the example, the user has access to four rooms. The room names are provided by your atmospherics Administrator and are easily personalized for each network. A room (also called a Device Group) is an area with several devices that have been grouped to be controlled together.

Figure 4 - Room Selection Screen

From this screen, select the room you wish to control by touching the room's name in the list. If the list is longer that four selections, you can scroll through your choices with a finger swipe. The Rooms are always listed in alphabetical order.

In the **atmos™ room control app**, the name of the room the user selected will always be displayed in the top left-hand corner. See Figure 5 for an example where the user is logged into the Conference Room.

Scenes

Once you select the room you wish to control, you will be directed to the Scenes screen.

In atmospherics®, a Scene represents the saved configuration of the devices in a room. A Scene may contain device control or routing instructions, room control settings, designated content to display, and even scene duration. What types of scenes you create depends on the equipment in your facility and the needs of the end users. Since Scenes are configurable in atmospherics, you have complete control over the type and number of scenes you create.

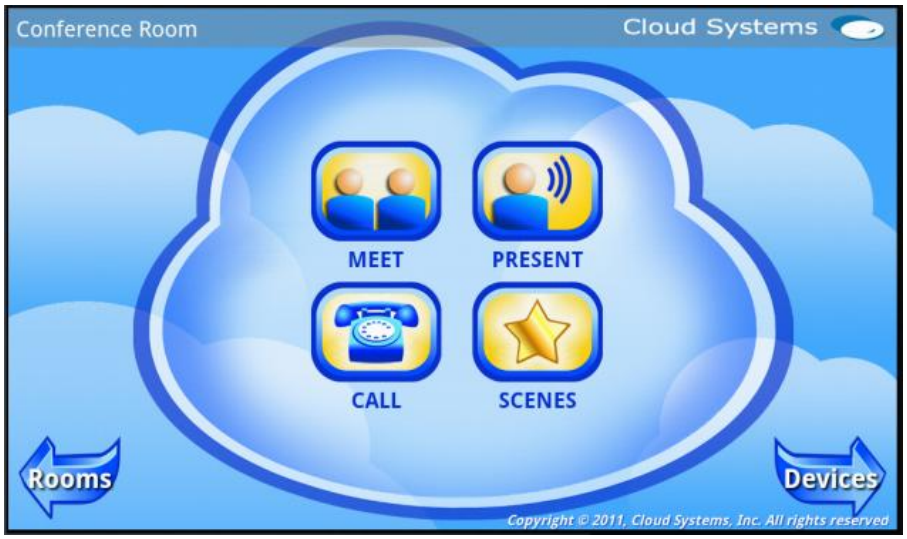


Figure 5 - Scenes Selection Screen will all pre-set Scenes configured

From the Scenes Selection screen you may select one of the pre-set scenes (MEET, PRESENT or CALL) or select the SCENES button to be directed to a complete list of Scenes available in the room you selected.

You may elect to configure some pre-set buttons and not others, or none at all. Any of the pre-set Scenes that are not configured will have a grayed out button as seen in Figure 6 and 7 below.

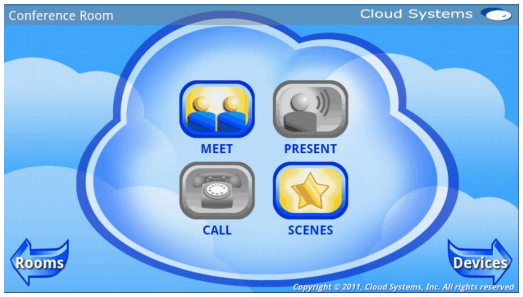


Figure 6 - Scene Selection Screen with only the MEET pre-set Scene configured

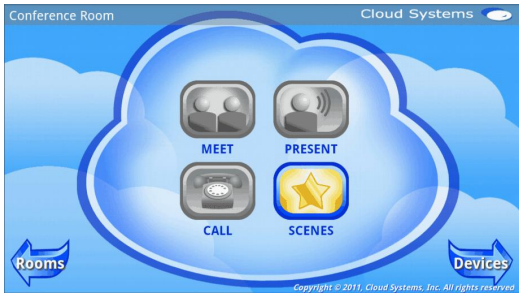


Figure 7 - Scenes Selection Screen with no pre-set Scenes configured

Figure 8 - Full List of Scenes

From this screen the user can return to the previous Scenes Selection screen, or proceed to the Presentation Selection Screen.

Figure 9 - Presentation Selection Screen

From this screen you can select a presentation and a list of the scenes within that presentation will be displayed, or you can select the Scenes arrow to return to the list of scenes within the current presentation.

For more information on Scene and Presentation creation, please reference the atmospherics® flex client | simplified guide, or the videos on the Cloud Systems website. (http://www.cloudsystems.com/training-videos)

Configuring MEET | PRESENT| CALL Buttons

Based on user feedback and the most common room control use cases, **atmos™ room control app** includes three buttons with icons: MEET, PRESENT and CALL. These buttons can be configured in any number of ways to simplify functionality in multi-purpose rooms.

The MEET, PRESENT and CALL buttons are configured for each room using the Flex Client.

> NOTE: Every user with access to each room will have the same functionality for each the MEET, PRESENT and CALL scenes, so edit privileges for those three scenes should be limited to the administrator.

MEET **PRESENT** **CALL**



When creating scenes to be launched using the MEET, PRESENT and CALL buttons, each scene must be named MEET (case sensitive), PRESENT (case sensitive), and CALL (case sensitive).

All scenes are configured in the atmospherics® Flex Client Web browser interface. For more information on creating scenes, please reference the atmospherics flex client | simplified guide, or the videos on the Cloud Systems website. (http://www.cloudsystems.com/training-videos)

Below is one example of how you may configure each of the buttons for a simple use case. You can add or change functionality to your MEET, PRESENT and CALL buttons to personalize them for each room's functionality.

The **PRESENT** button can be configured to prepare any room for presentations.

The first thing you want to do is setup the devices in the room to be in the state they will be in at the time of the presentation. Use atmospherics to set the state of each device.

For example:
In a large auditorium, you could select the projector and turn it on. Select the lighting and set the zones at varying levels of intensity, based on proximity to the stage. Select the projector screen and have lower. Select the audio and set the volume level. Select two large displays on either side of the auditorium and turn them on, select the laptop at the podium to project on the forward most projector screen, and select a camera and have it routed to the two large displays on either side of the auditorium.

In a conference room, you would likely have either the projector and screen, or displays. Whatever the use case, the PRESENT scene can be personalized to incorporate the devices in each room.

Remember to name the scene "PRESENT" (case sensitive).

The room is now setup for a presentation, so the PRESENT scene is ready to be saved. Every time the PRESENT button is selected on any of your client interfaces the room will return to this state.

The **MEET** button can be configured to prepare a room for a meeting.

Again, the first thing you want to do is setup the devices in the room to optimize the room for a local meeting.

For example:
Select the lights and turn them on. Select the display and turn it on. Plug in laptop into the video connection and route it to the display.

Remember to name the scene “MEET” (case sensitive).

The room is now setup for a meeting, so the MEET scene is ready to be saved. Every time the MEET button is selected on any of your client interfaces the room will return to this state.

The **CALL** button can be configured for either audio or video conference calling.

Again, the first thing you want to do is setup the devices in the room for audio or video conferencing. Use atmospherics® to set the state of each device.

For example:
Select the monitor turn it on. Select the audio or video conferencing device to set its audio level and make sure it is not muted. Select the lights to make sure they are on. Select the window shades and make sure they are down.

Route the video from the video conferencing unit to the display in the room. A display can be a video monitor, projector, etc.

Remember to name the scene “CALL” (case sensitive).

The room is now setup for video conferencing, so the CALL scene is ready to be saved. Every time you click on the CALL button on any of your client interfaces the room will return to this state.

Devices

A Device is electronic hardware. This includes but is not limited to media players, video conferencing systems, displays, lighting systems, projector screen and shade controls, routers, KVM's, HVAC, building management systems and any other elements that will be a part of an atmospherics® system.

atmospherics® organizes devices into Categories based on the device's functionality. Below is an index of Category buttons as seen on the Cius:

atmospherics also categorizes devices as controllable or non-controllable. Controllable devices receive and respond to commands from atmospherics and often appear in the user interface with widgets used for controlling the devices. Non-controllable devices could be included for management information, reporting services, or for use in source and/or destination routing. For instance, a laptop is a source device that cannot be controlled by atmospherics, but is integral to the system functionality, and can be added as a non-controllable device.

In each room users have the ability to control devices individually through the Devices page.

Each category of device in each room will be graphically displayed with a button. If more than six categories are present in a room, the user can swipe horizontally to view additional buttons.

Figure 10 - Device Category Selection Screen

Choose a device category to display the device control widgets.

Control Widgets

Below are examples of the specific device control widget screens.

Lighting

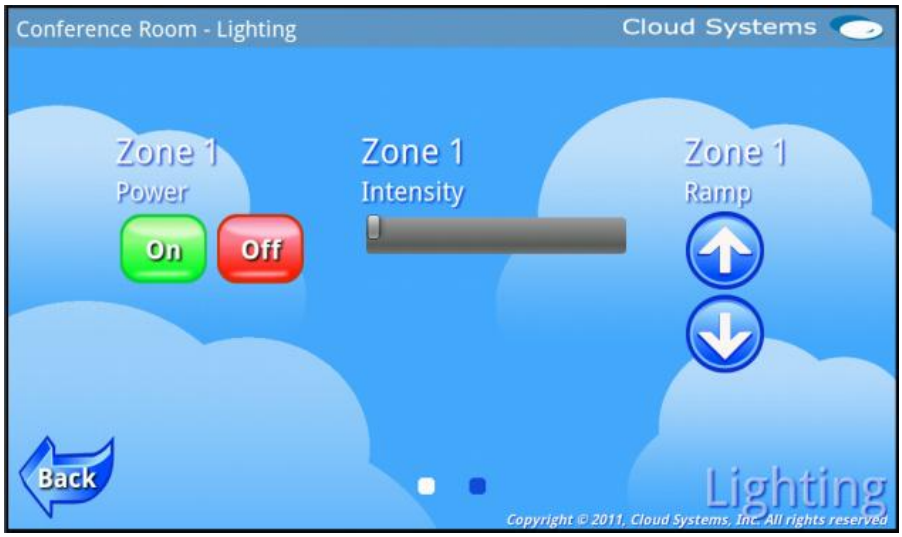


Figure 11 - Lighting Control Widget Screen

Audio

Figure 12 - Audio Control Widget Screen

Cameras

Figure 13 - Camera Control Widget Screen 1

Figure 14 - Camera Control Widget Screen 2

Tandberg Video Conferencing

Figure 15 - Tandberg Control Widget Screen 1

Figure 16 - Tandberg Control Widget 2

Displays

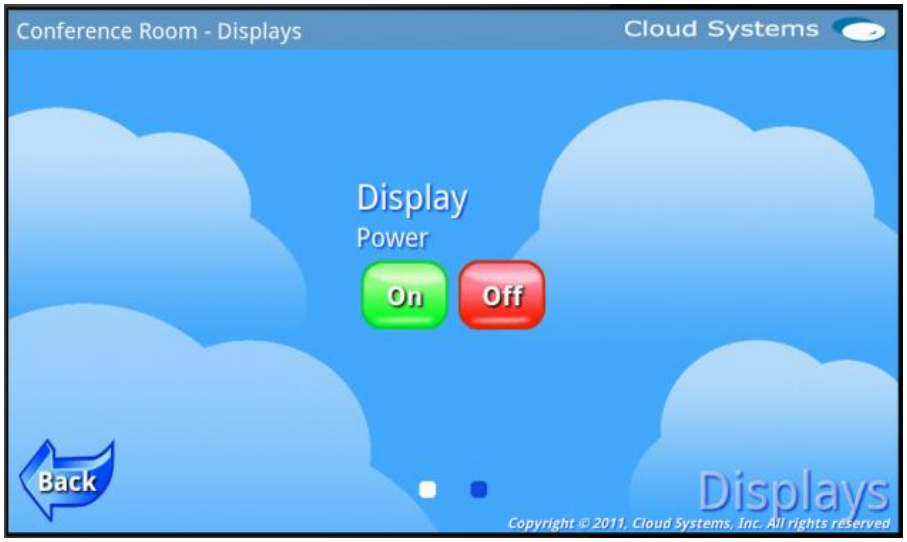


Figure 17 - Display Control Widget Screen 1

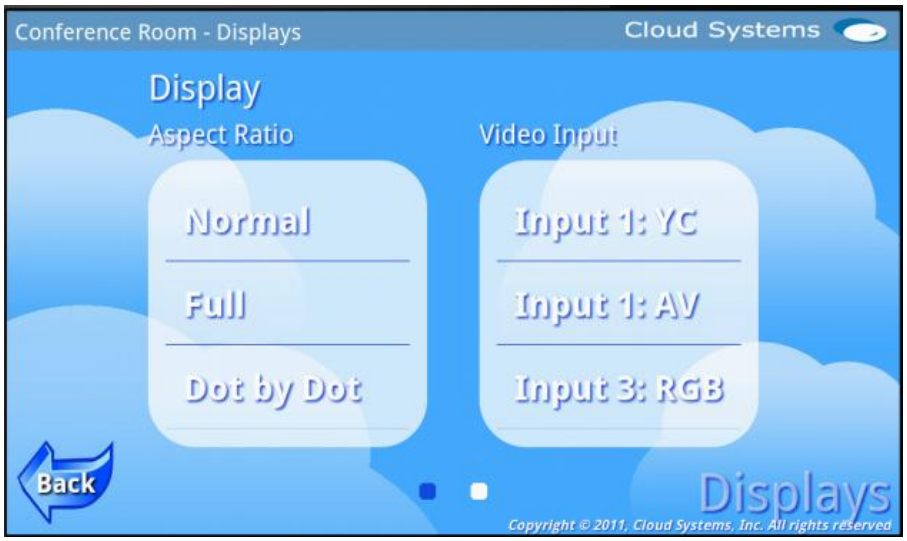


Figure 18 - Displays Control Widget Screen 2

Routing

With the **atmos room control app**, you also have the ability to change the video and audio sources that are playing on the various end points in the room. This is called Routing. From the Device Category Screen touch the Routing arrow to be taken to the Routing screen. Displayed on the right are all the destinations to where you can route the sources in the room. Once you select a Destination, the Sources that can be routed to that Destination are displayed on the left. Sources are devices that output a signal, such as Digital Media Players, laptops, or Cisco TelePresence Codecs. Destinations are where you want that output signal to go, such as projectors, LCD displays or speakers. The atmos room control app knows to display only the sources that are available for the selected destination. Simply swipe your finger to see the additional devices.

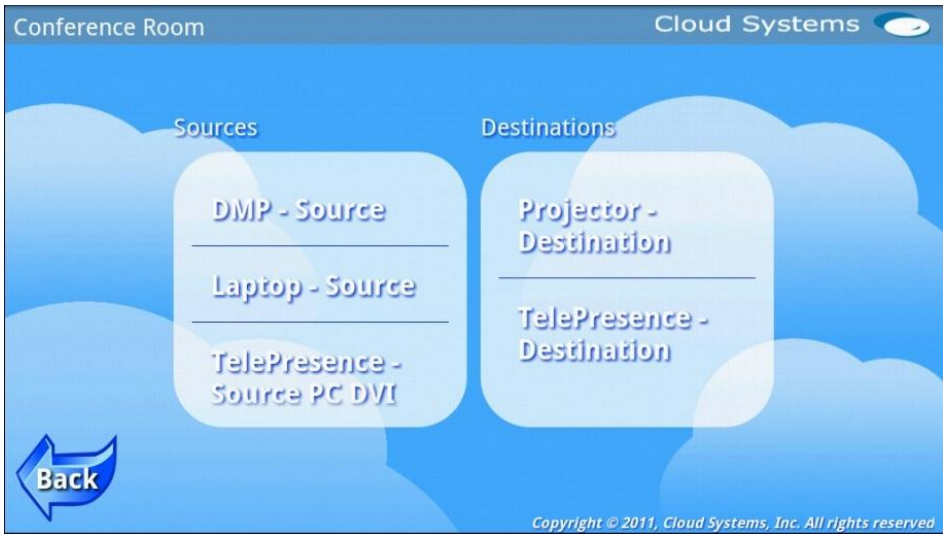


Figure 19 - Routing