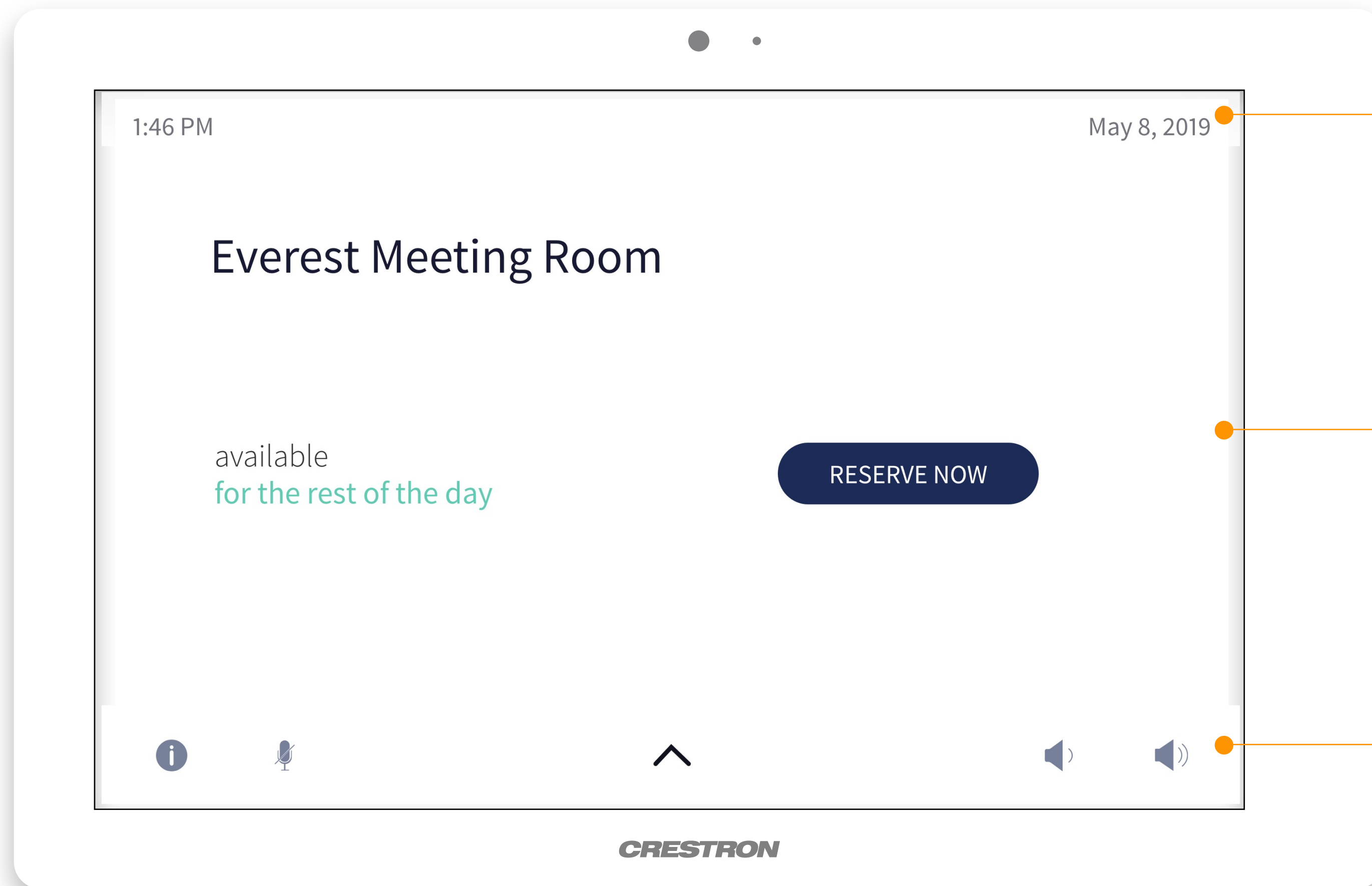


Crestron .AV Framework 2.0 UX Guide

January 31, 2020

Common UI Elements

Basic page structure



Status Bar

Shows current time and date. Status bar is almost always persistent and is only hidden in few cases.

Main Content Area

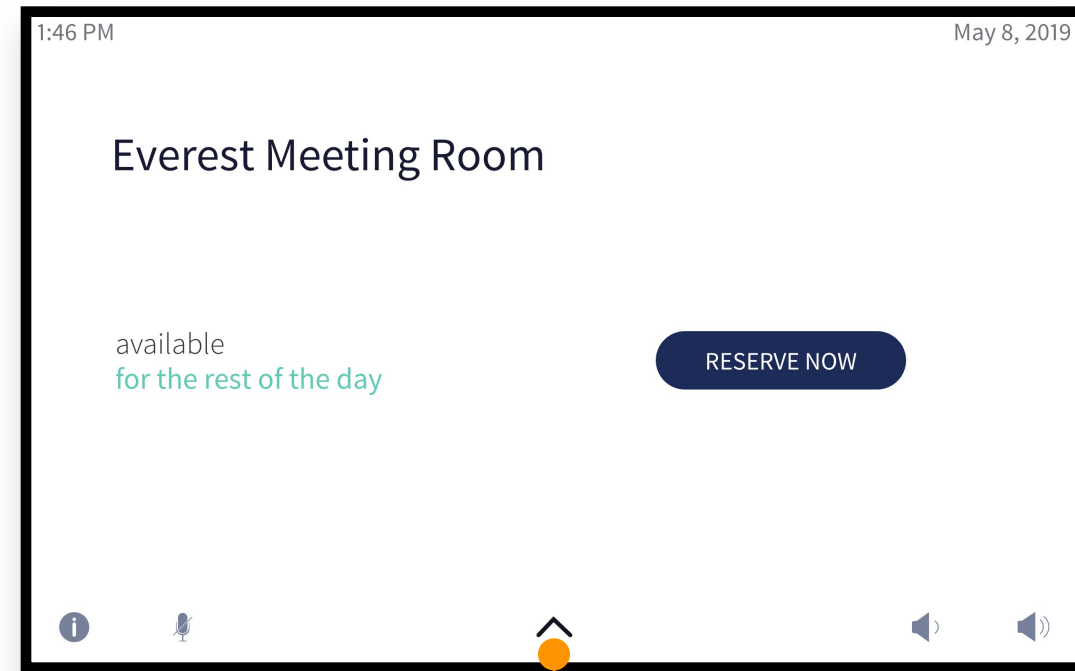
Shows current user selected view, room scheduling view, task views, system notification views etc.

Toolbar

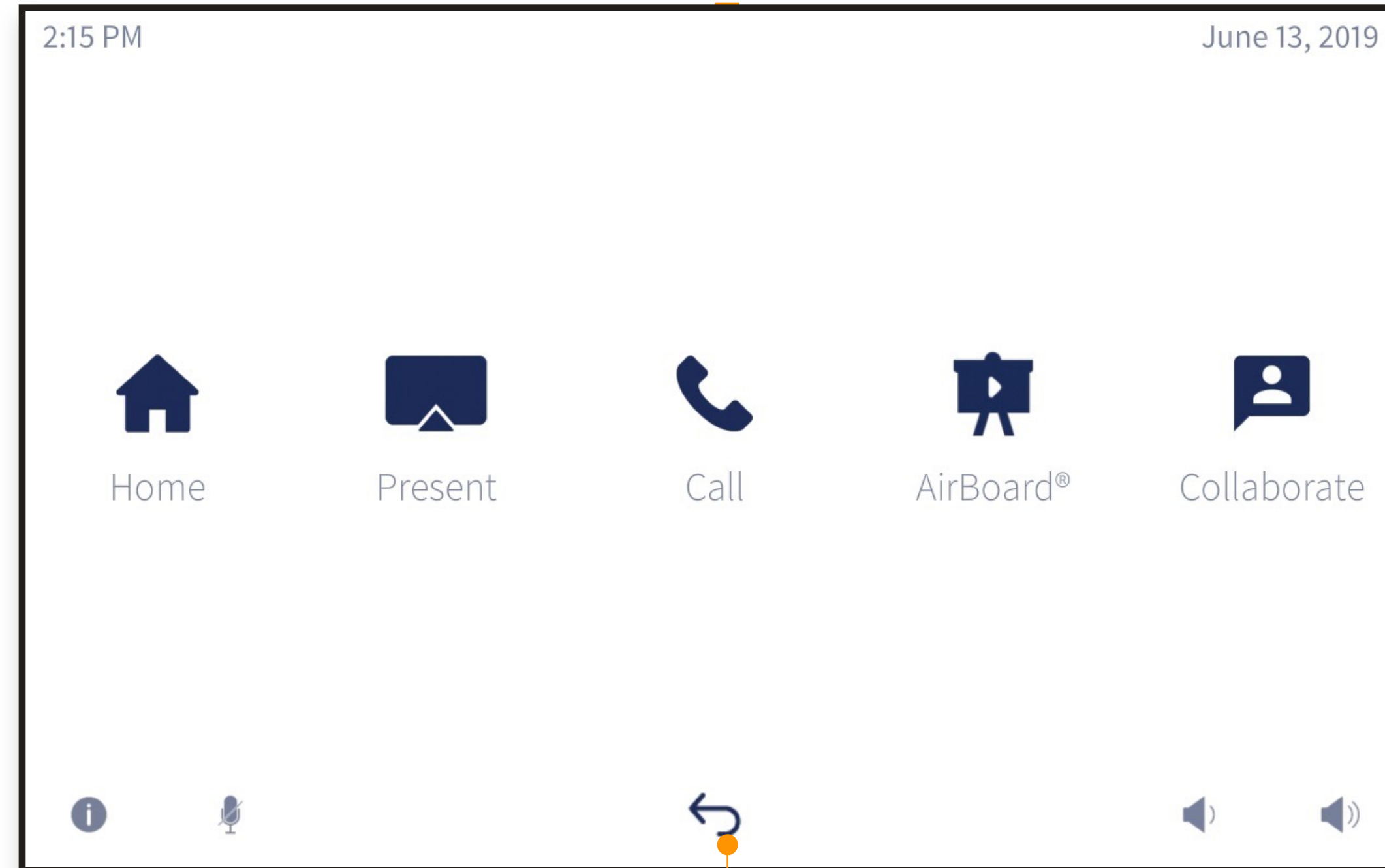
Based on configured system contains: Info button, Mic Mute, Menu Up Arrow, volume controls

Menu Selection Flow

Recalling menu screen



1 Menu Selection Screen



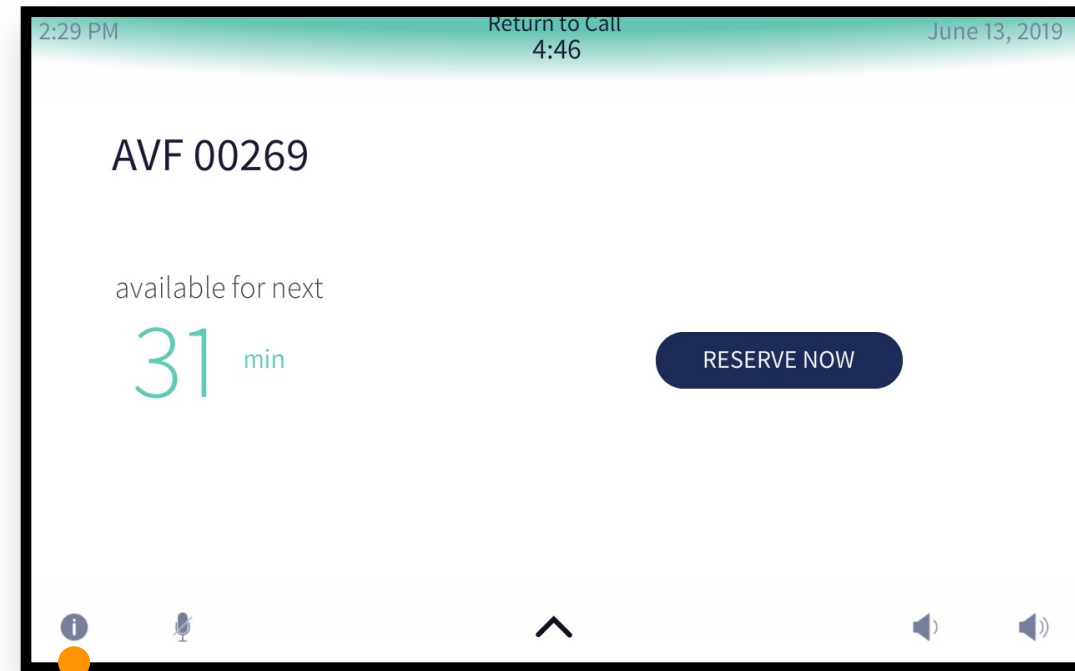
MENU SELECTION SCREEN

When user taps menu up arrow in the toolbar, menu selection screen is recalled. Based on configured system the list of available options for user to navigate to will be shown.

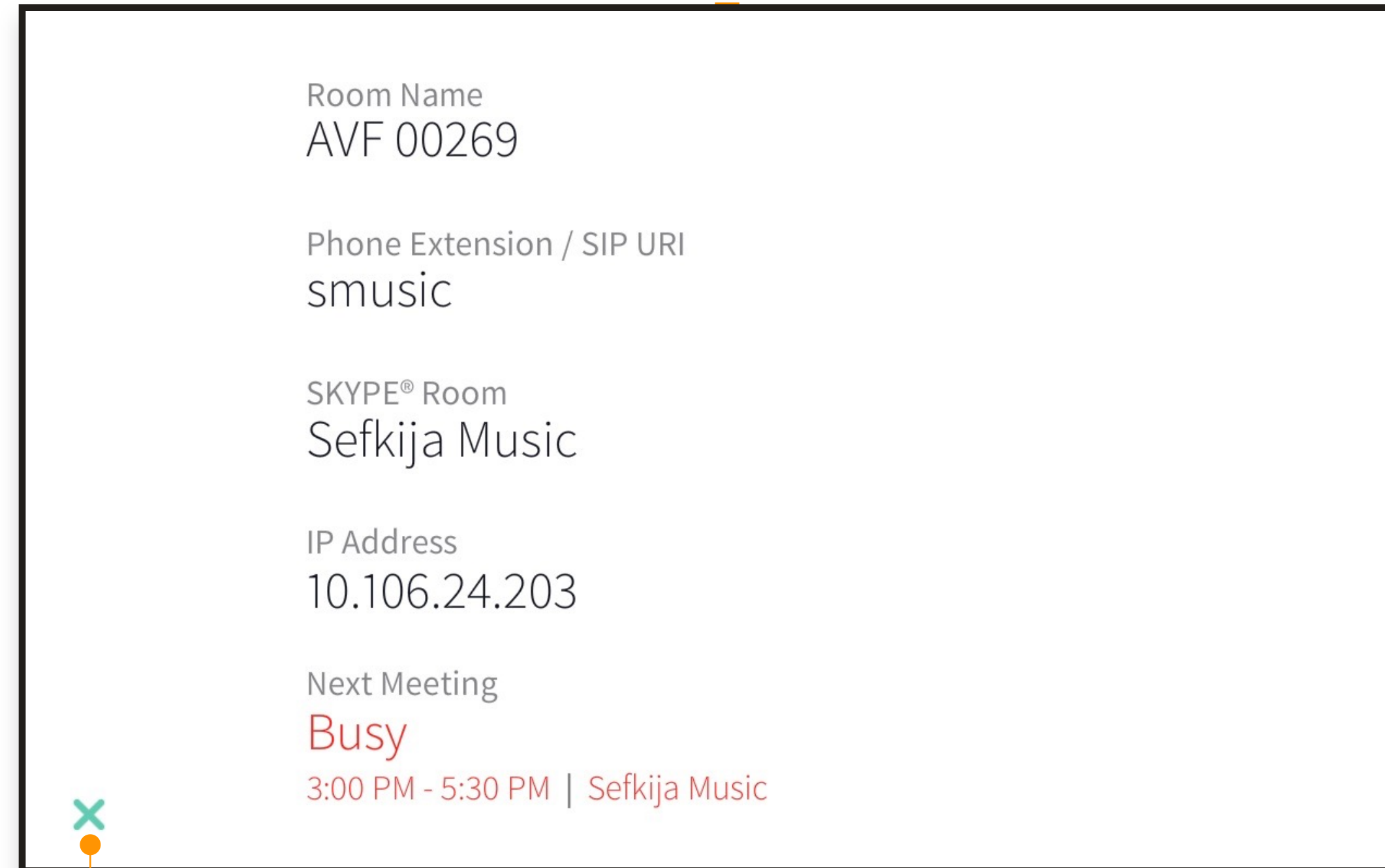
User dismisses the menu by pressing "back" arrow which will effectively navigate user back to previous screen.

Info Screen Flow

Recalling info screen



1 Info Screen



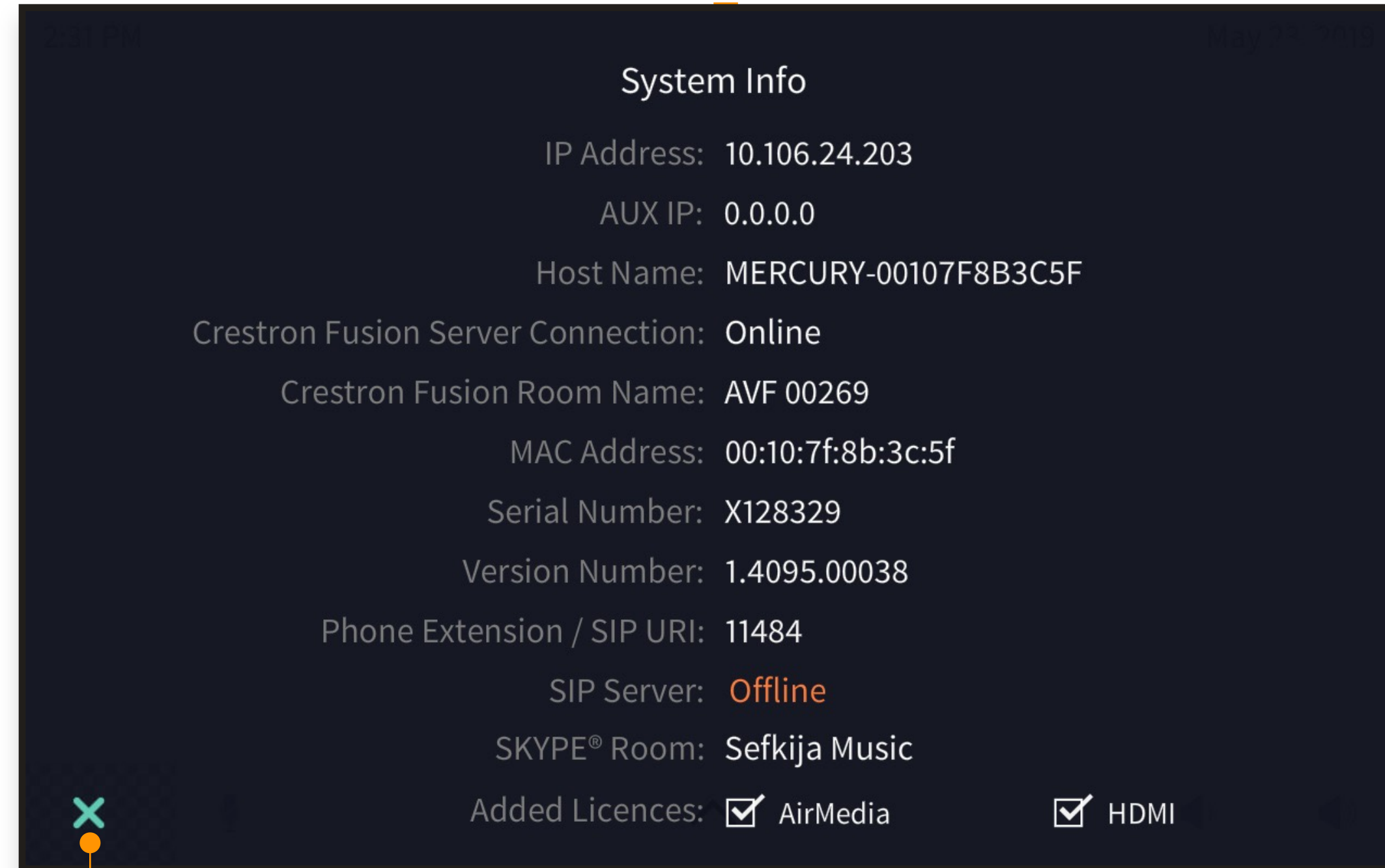
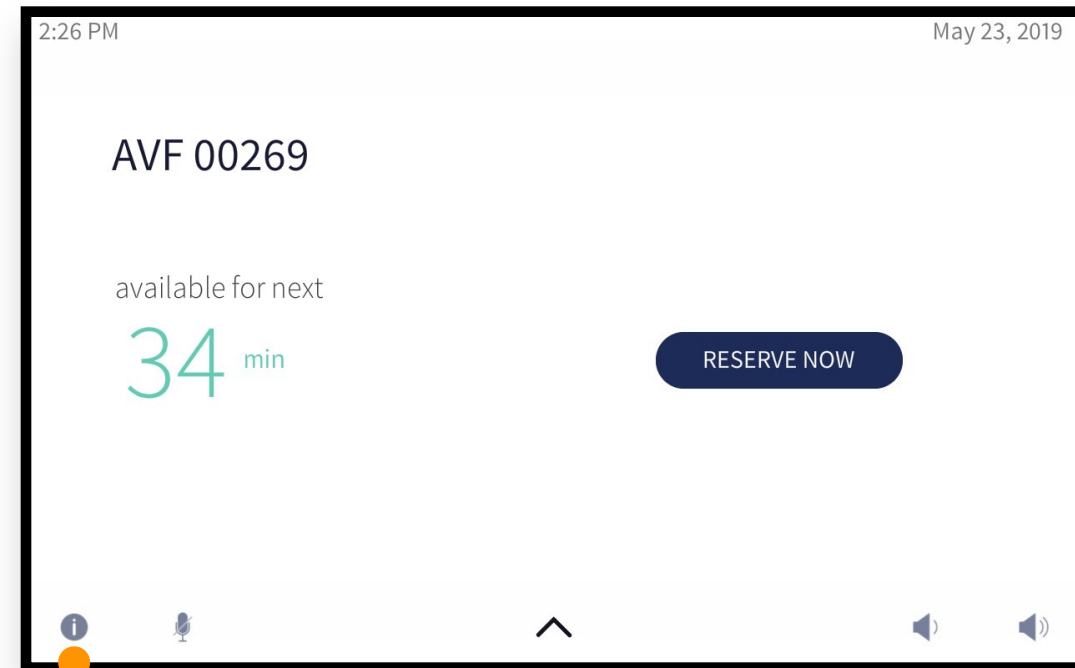
INFO SCREEN

Tapping "i" button will bring up "Info" screen which contains some relevant room meta data such as: friendly room name, phone extension, Skype room extension, IP address, and "Next meeting" info if room calendar is configured.

Info Screen Flow

Recalling detailed info screen

2 Info Screen



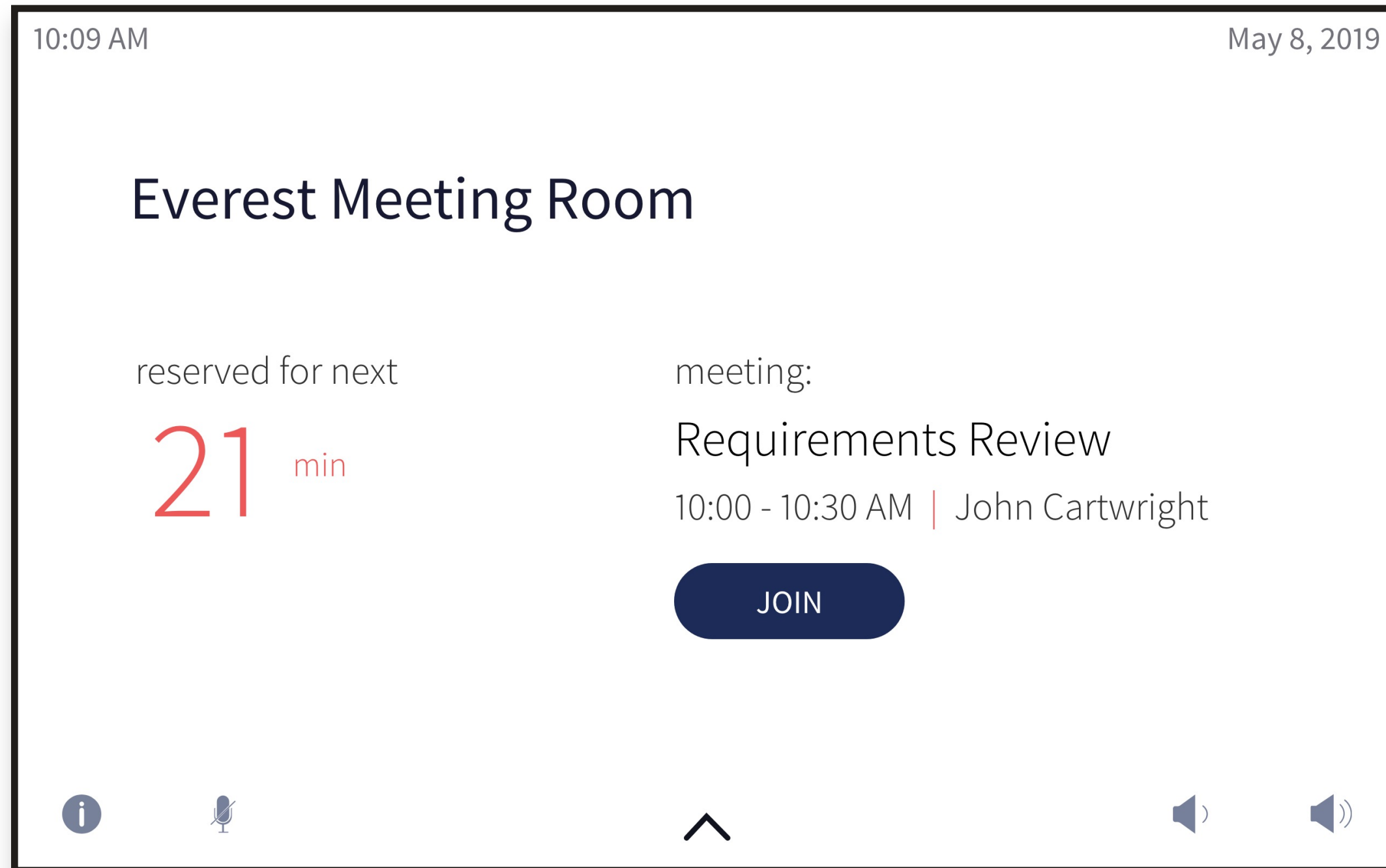
INFO SCREEN DETAILED

Long hold on "i" button (20 s) will bring up detailed "Info" screen which contains system relevant information.

Home Screen - In The Meeting

Home screen shows current scheduling state of the conference room.

1 Room In Meeting



IN THE MEETING SCREEN

When the calendar for the room indicates that the room is currently booked, the user will see a red time counter showing how long until the end of the meeting.

The meeting subject is shown right below "meeting" label. If the meeting title is long and does not fit, text will **auto scroll**. User also has an option to "**touch scroll**" on this element.

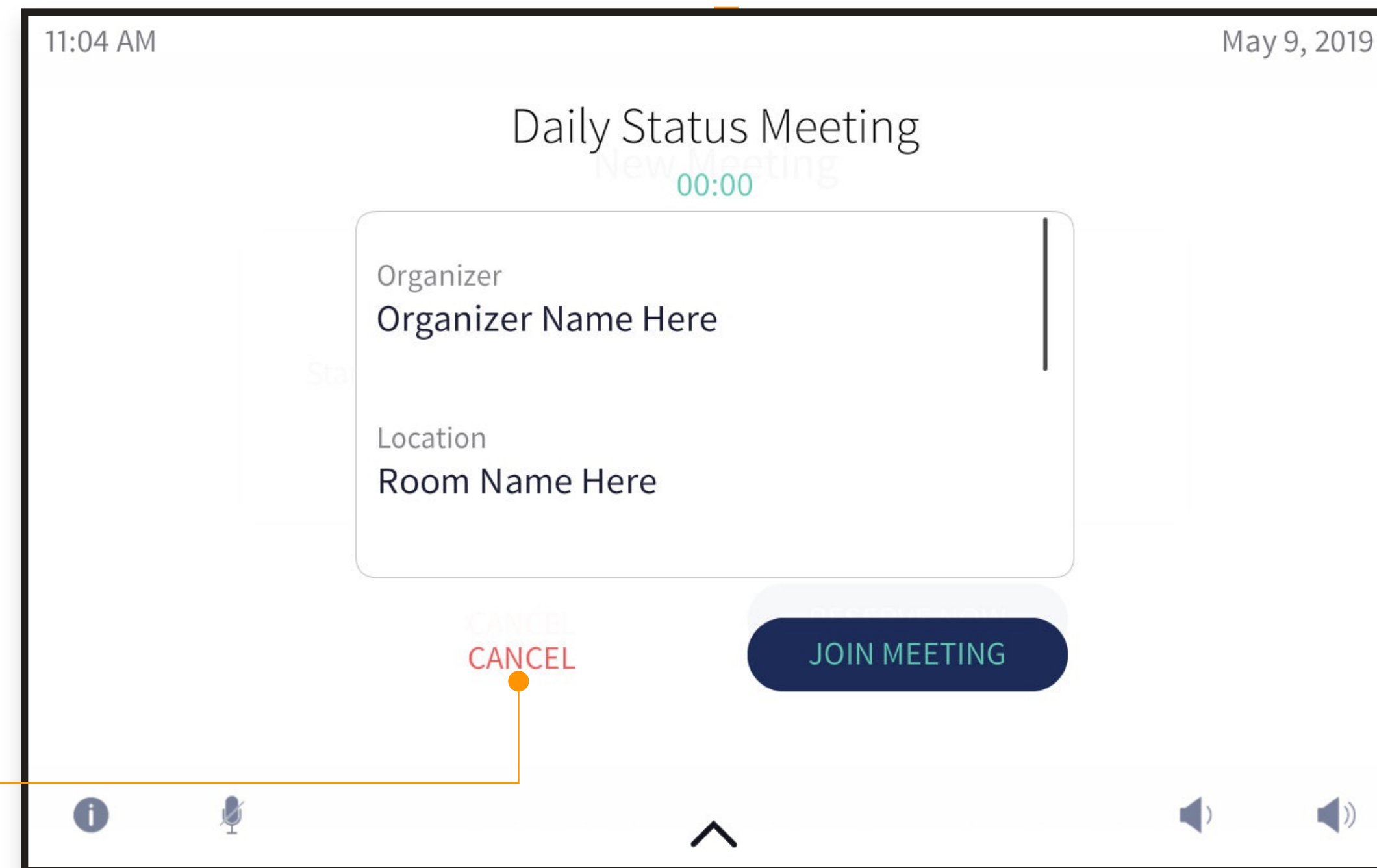
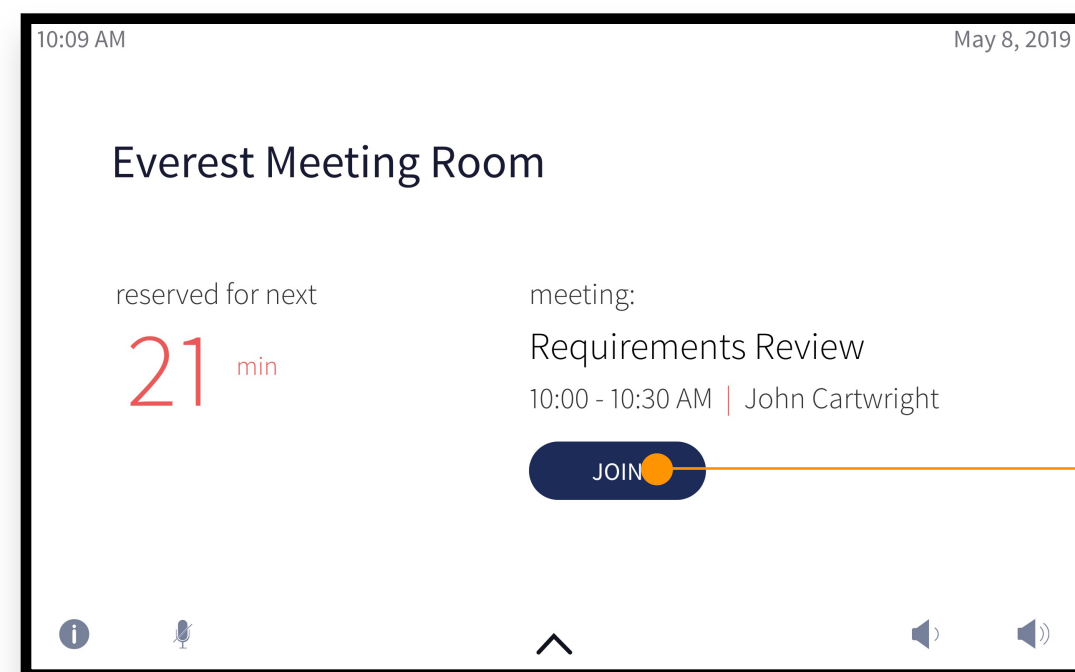
Start/end times and organizer info is string together and shown below the meeting title.

If the meeting has join meeting functionality "Join" button will be shown to the user.

Join Meeting Flow

Joining Meeting in Progress

1 Join Meeting Screen



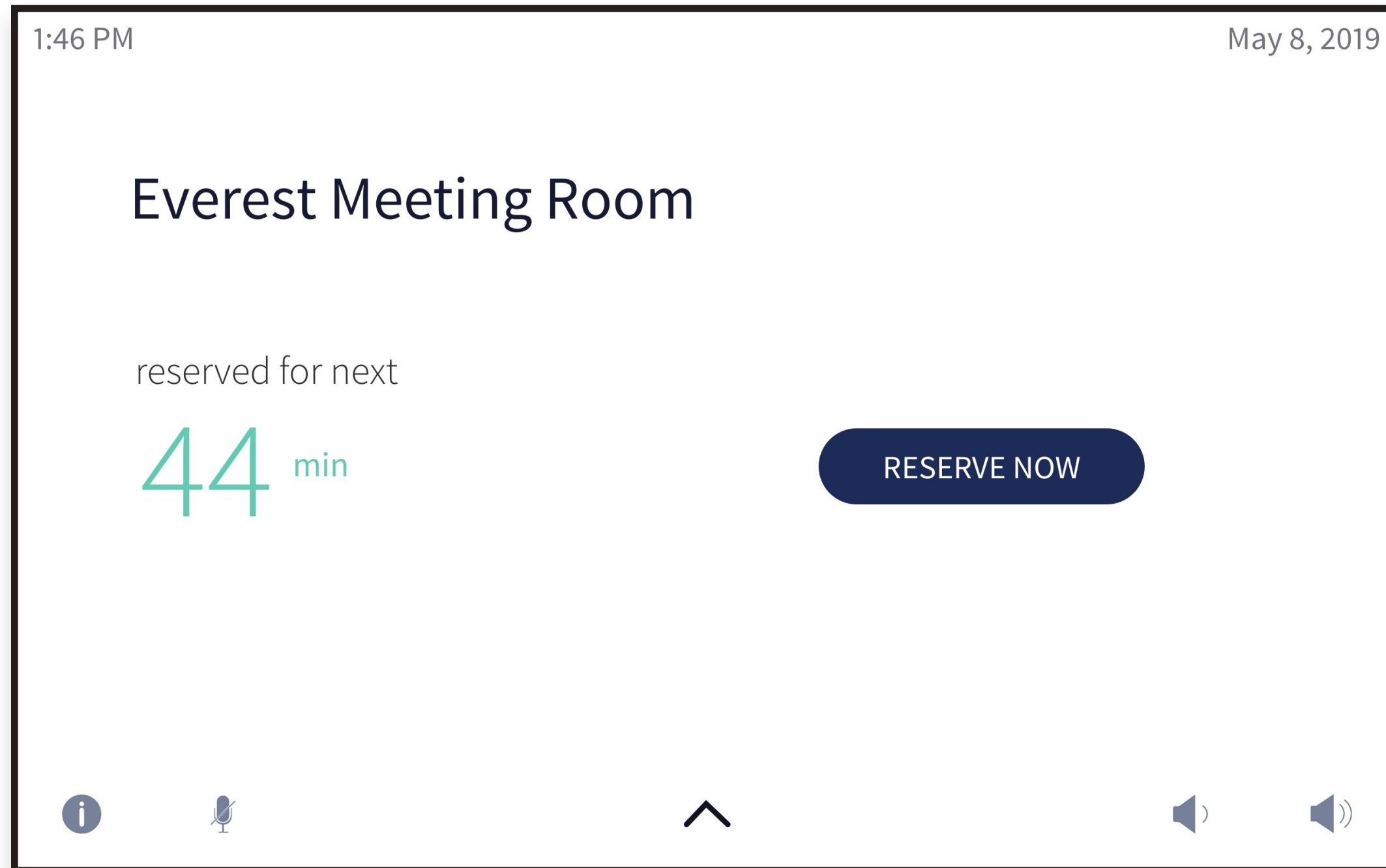
JOIN MEETING SCREEN

Join meeting screen will show all relevant (available) information about meeting in progress and "Join Meeting" button. When "join Meeting" is pressed, the user will navigate to the appropriate "in a call" conferencing page and the dialing string will be sent to the conferencing device to dial the call.

Home Screen - Room Available

When room is available there are 2 distinct use-cases identified by system:

1 Room Available Till Next Meeting



AVAILABLE TILL NEXT MEETING SCREEN

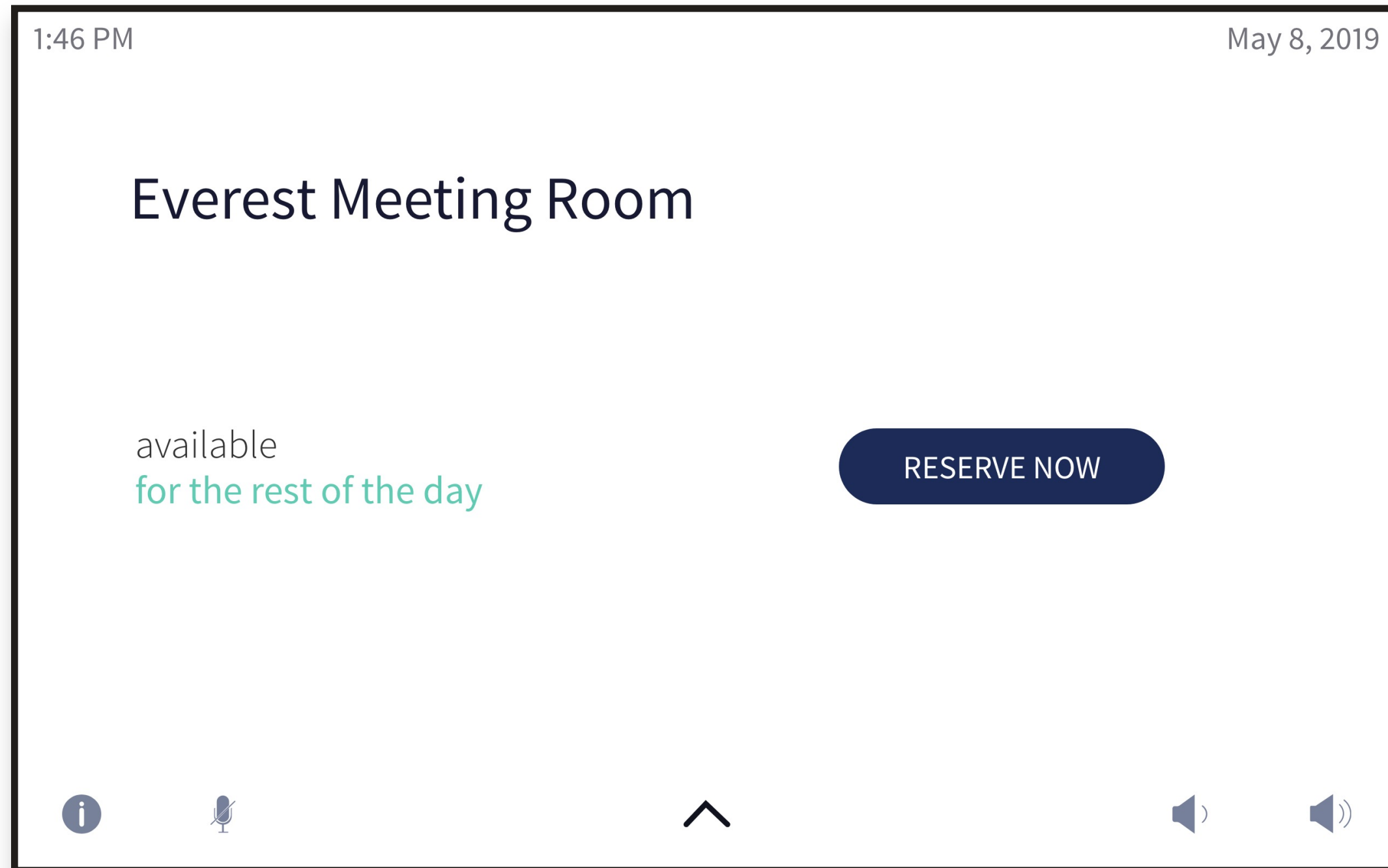
When the calendar for the room indicates that the room is currently available, the user will see a green time indicator, and the screen will show how long until the next meeting of the day begins.

The user will be able to book the room by pressing the reserve button.

Home Screen - Room Available

When room is available there are 2 distinct use-cases identified by system:

2 Room Available For The Rest Of The Day



AVAILABLE FOR THE REST OF THE DAY

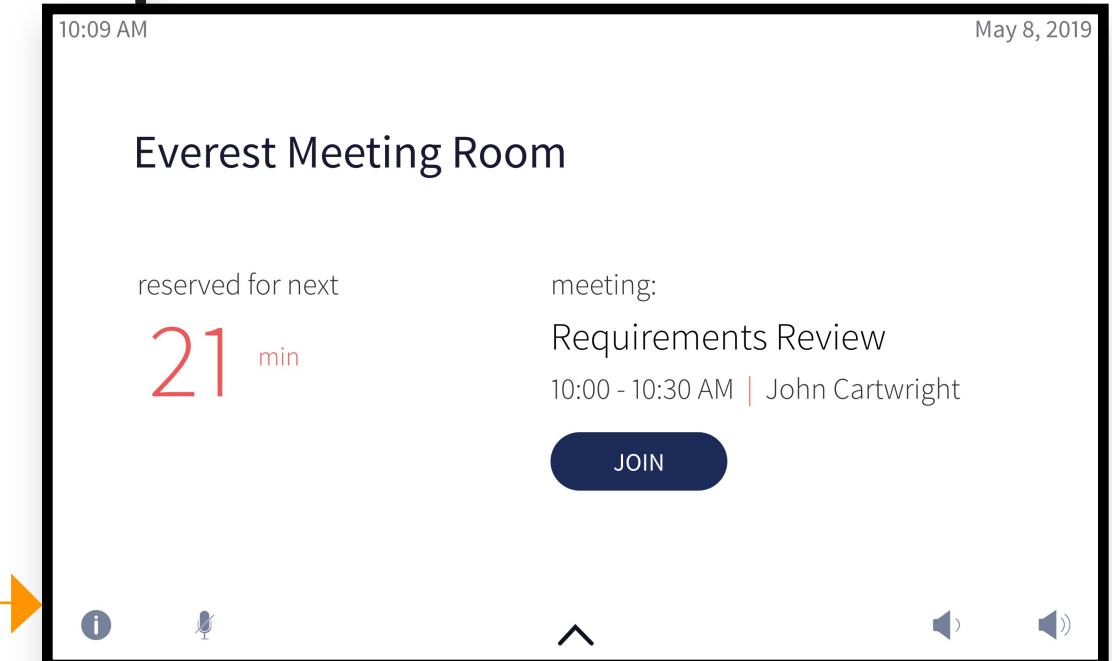
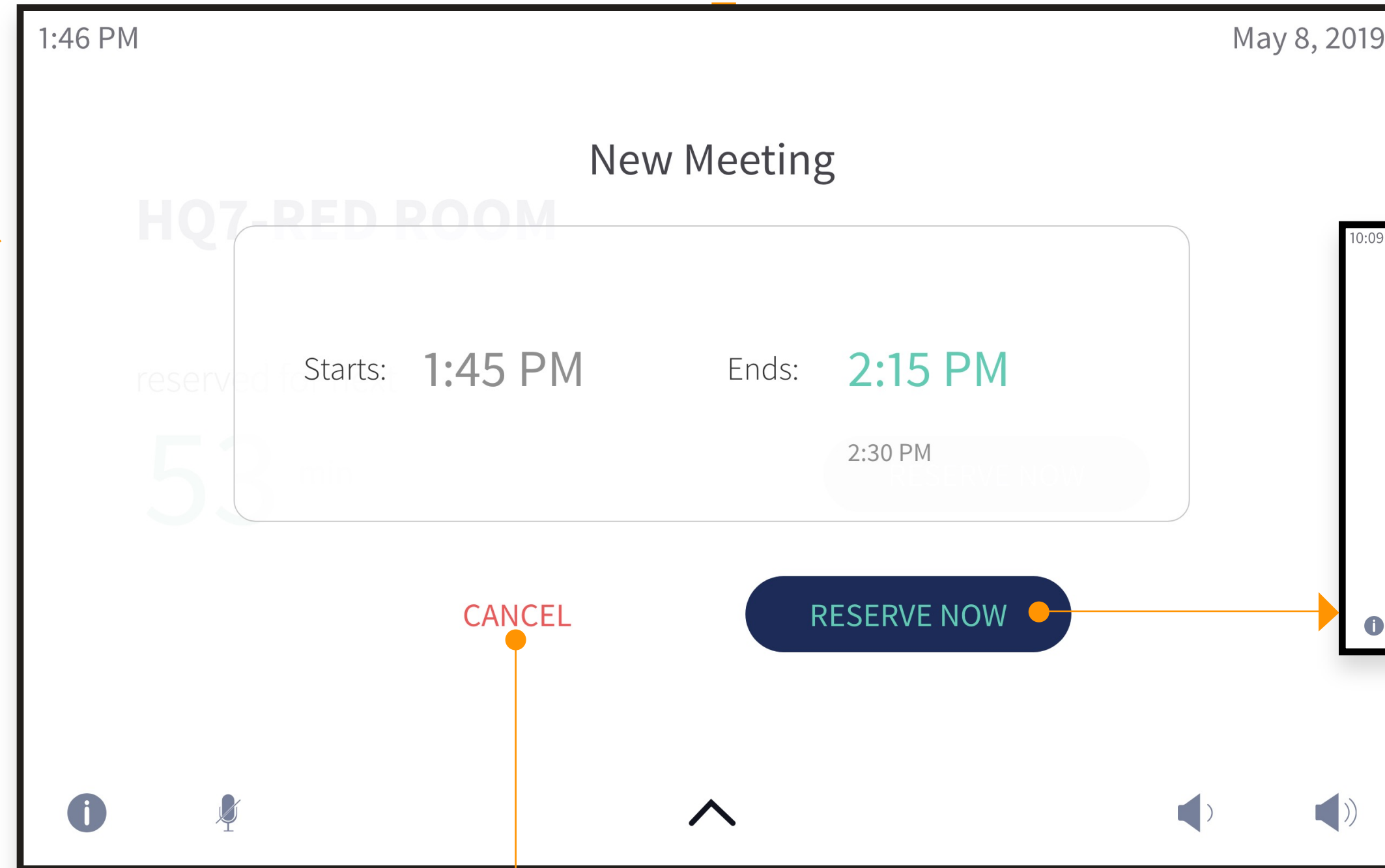
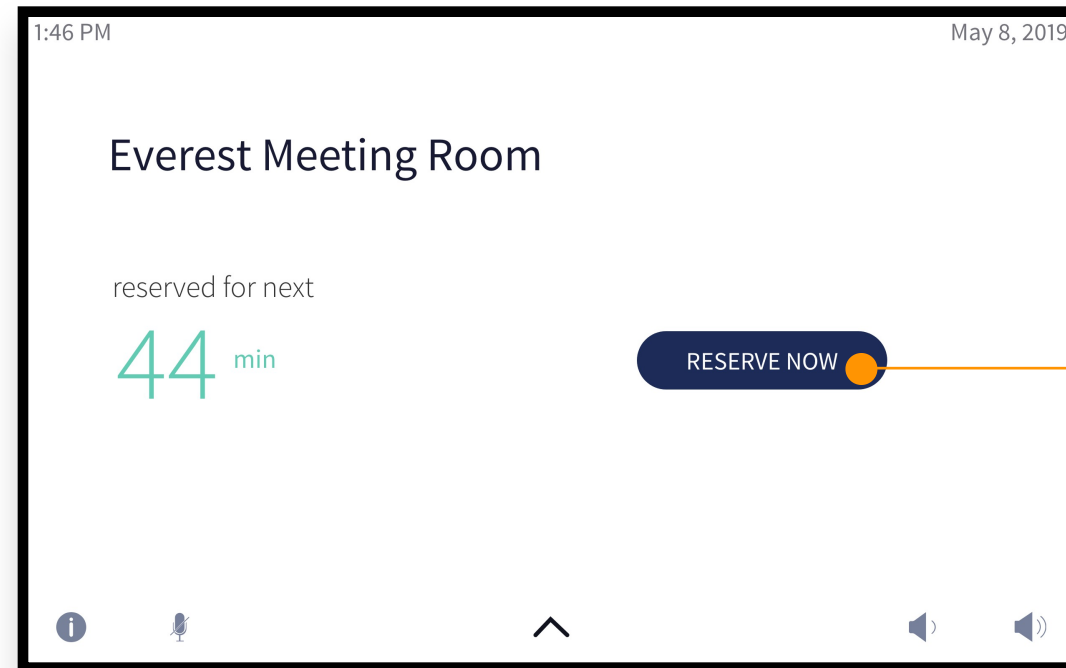
When the calendar for the room indicates that there's no more meetings for the rest of the day, the UI will display this screen.

The user will be able to book the room by pressing the reserve button.

Reserve Now Flow

Booking walk-up meeting

1 Walk-Up Meeting Screen



NEW MEETING SCREEN

By default meeting start & meeting end time will be populated till next 30 minutes meeting length.

The user will be able to reserve the room for up to three lengths:

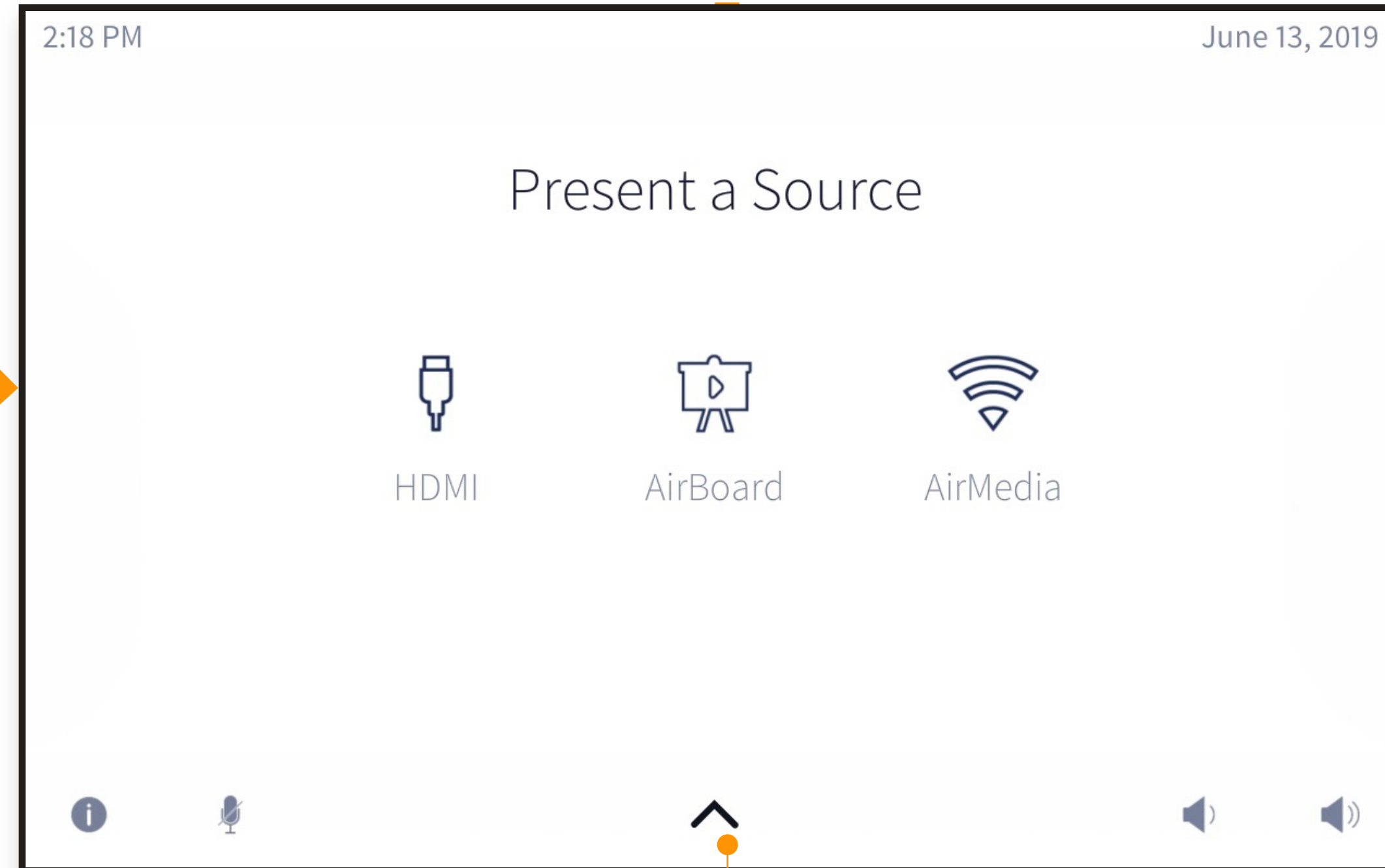
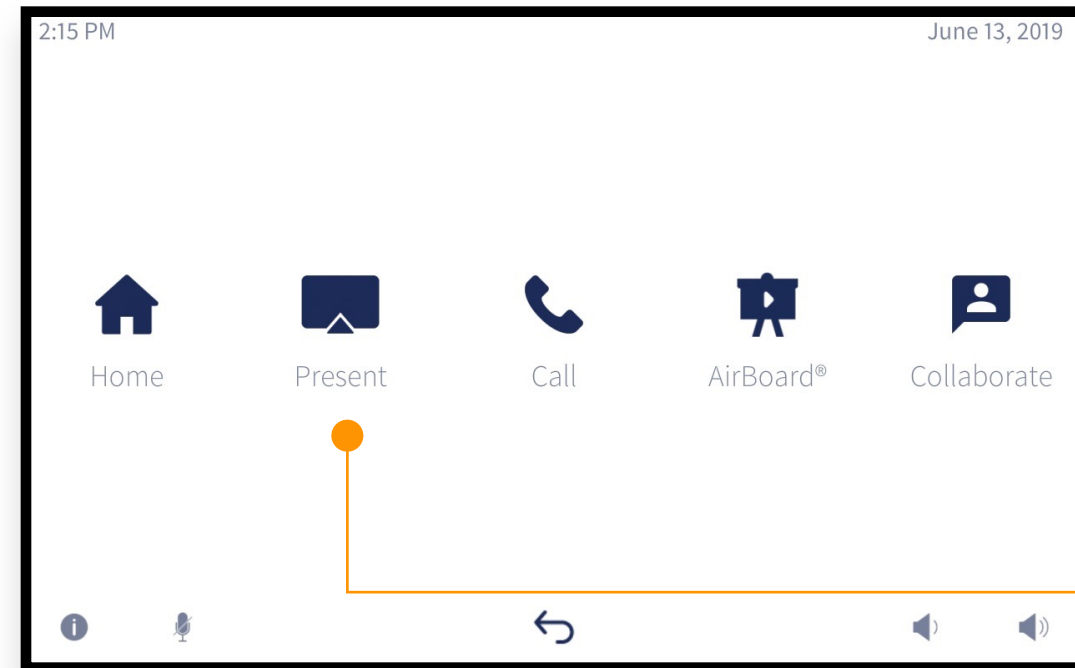
1. Until the next half hour (i.e. 13 minutes if the time is 2:17)*
2. Until the next half hour plus 30 minutes (i.e. 43 minutes if the time is 2:17) *
3. Until the next half hour plus 60 minutes (i.e. 73 minutes if the time is 2:17) *

Crestron's "Spinner List" will be used for meeting length selection.

Present Selection Flow

Recalling present selections screen

1 Present Selection Screen



PRESENT SELECTION SCREEN

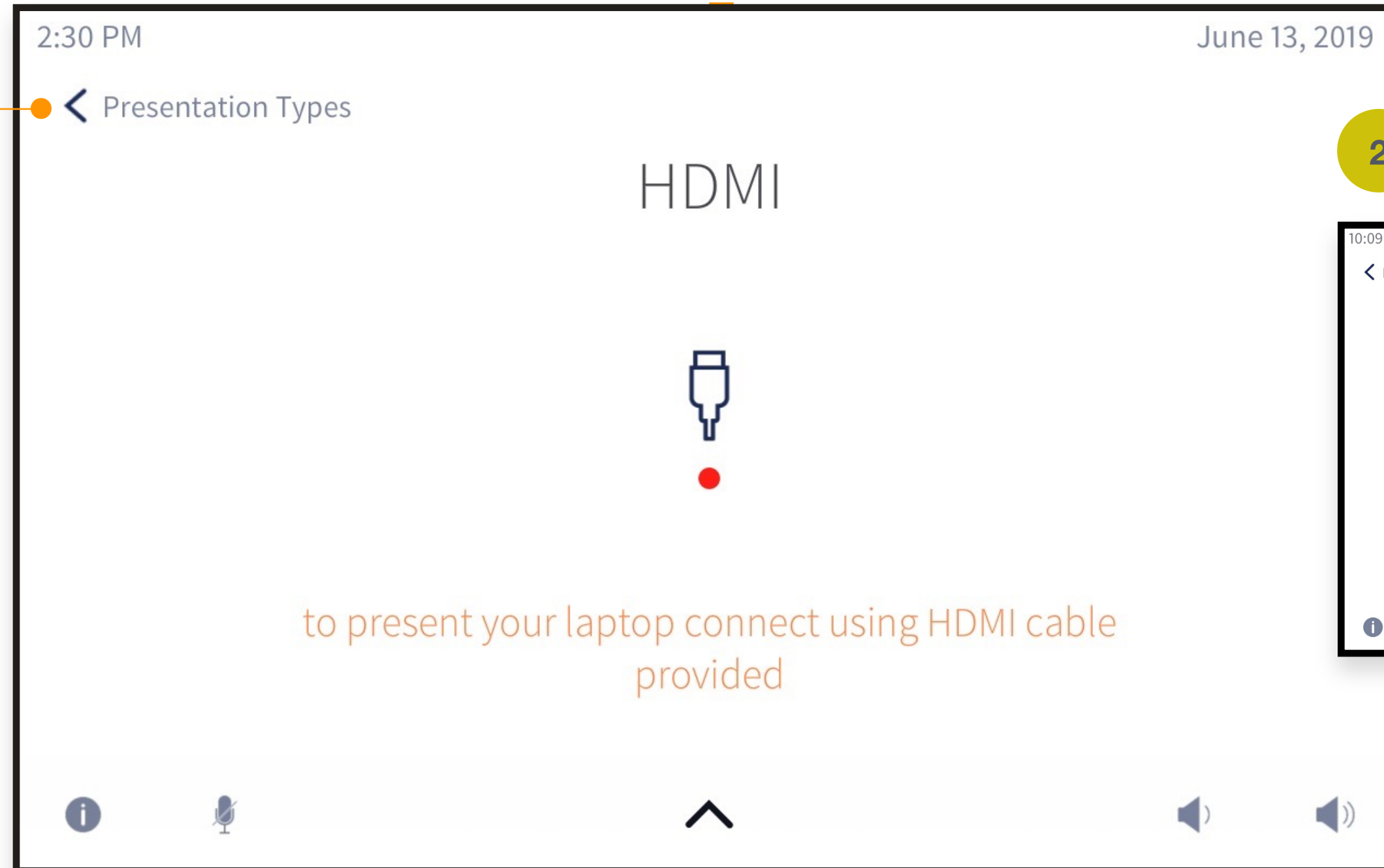
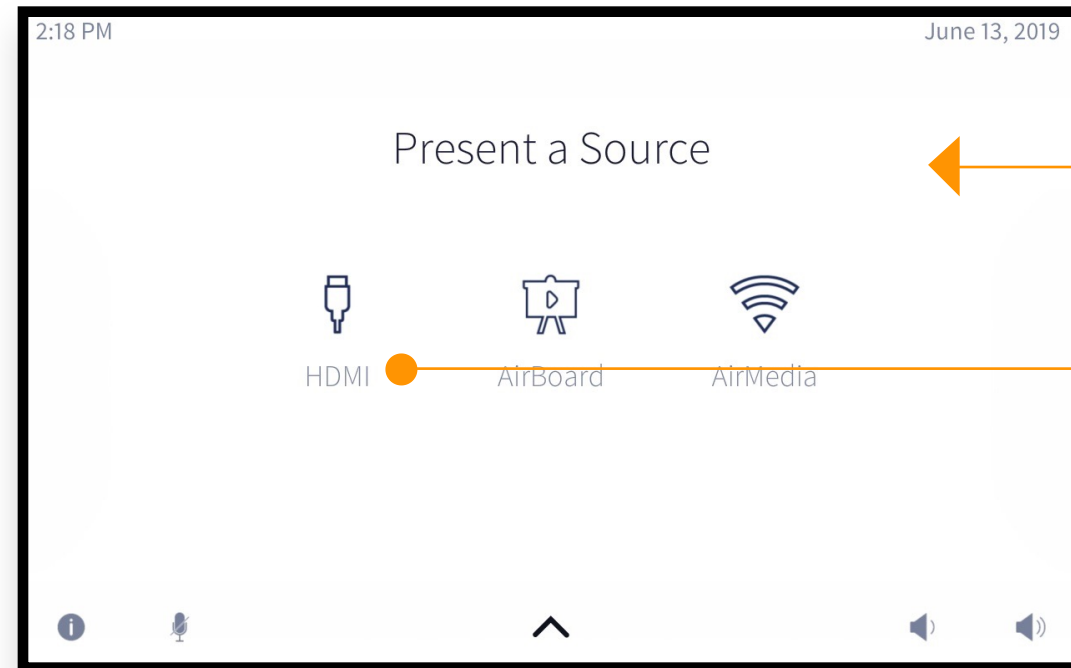
The "Present" screen is where the user will be able to route content to the main display in the room.

Once in Present Mode, presentation options are available to be selected. This screen is shown for systems that have one display.

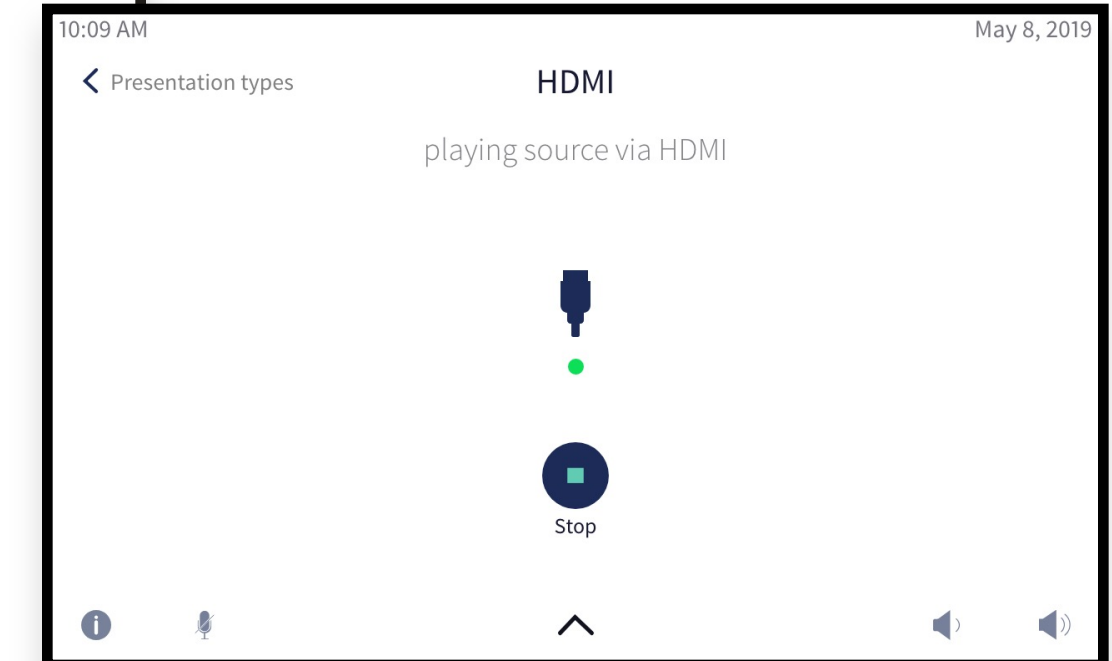
Present Hdmi Flow

Starting HDMI presentation from touchscreen

1 Connect To Hdmi



2 Hdmi Presenting Screen

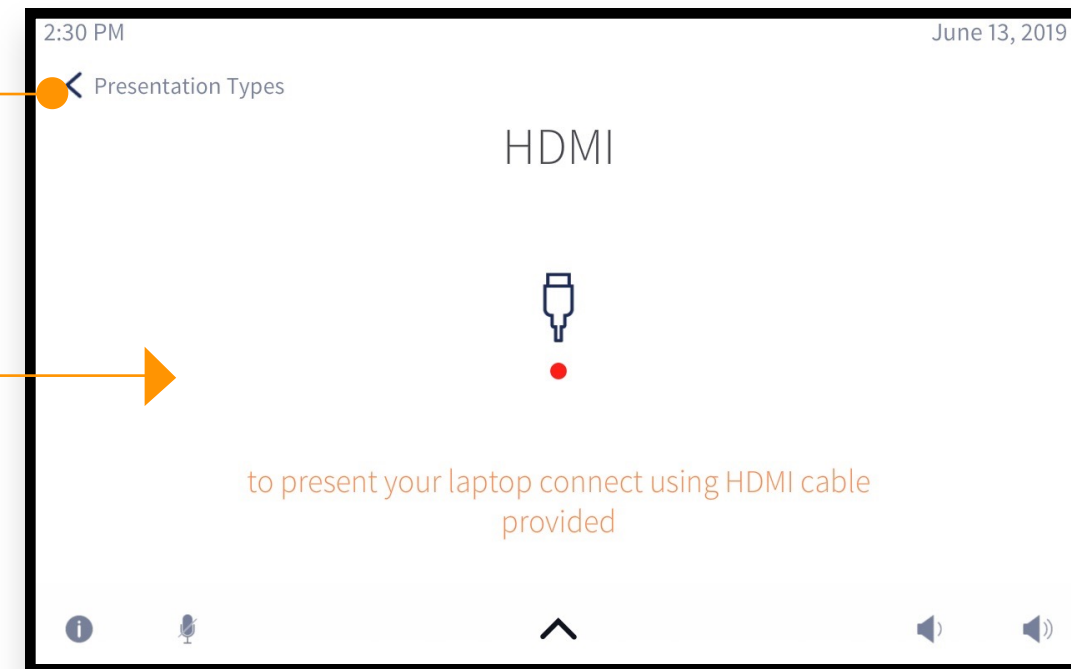
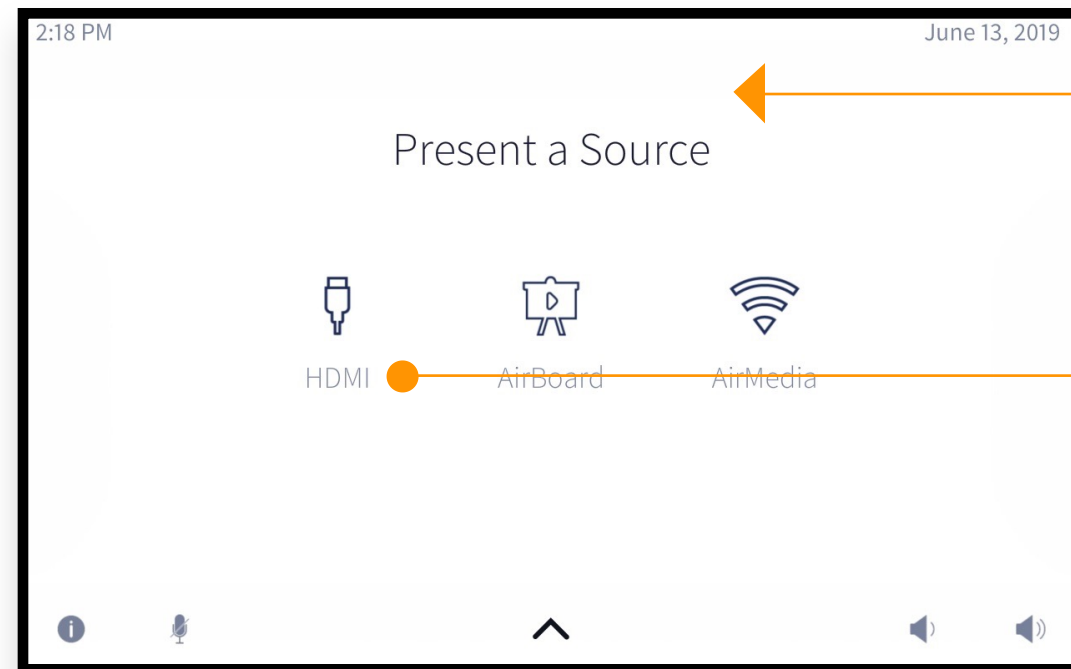


CONNECT TO HDMI PROMPT

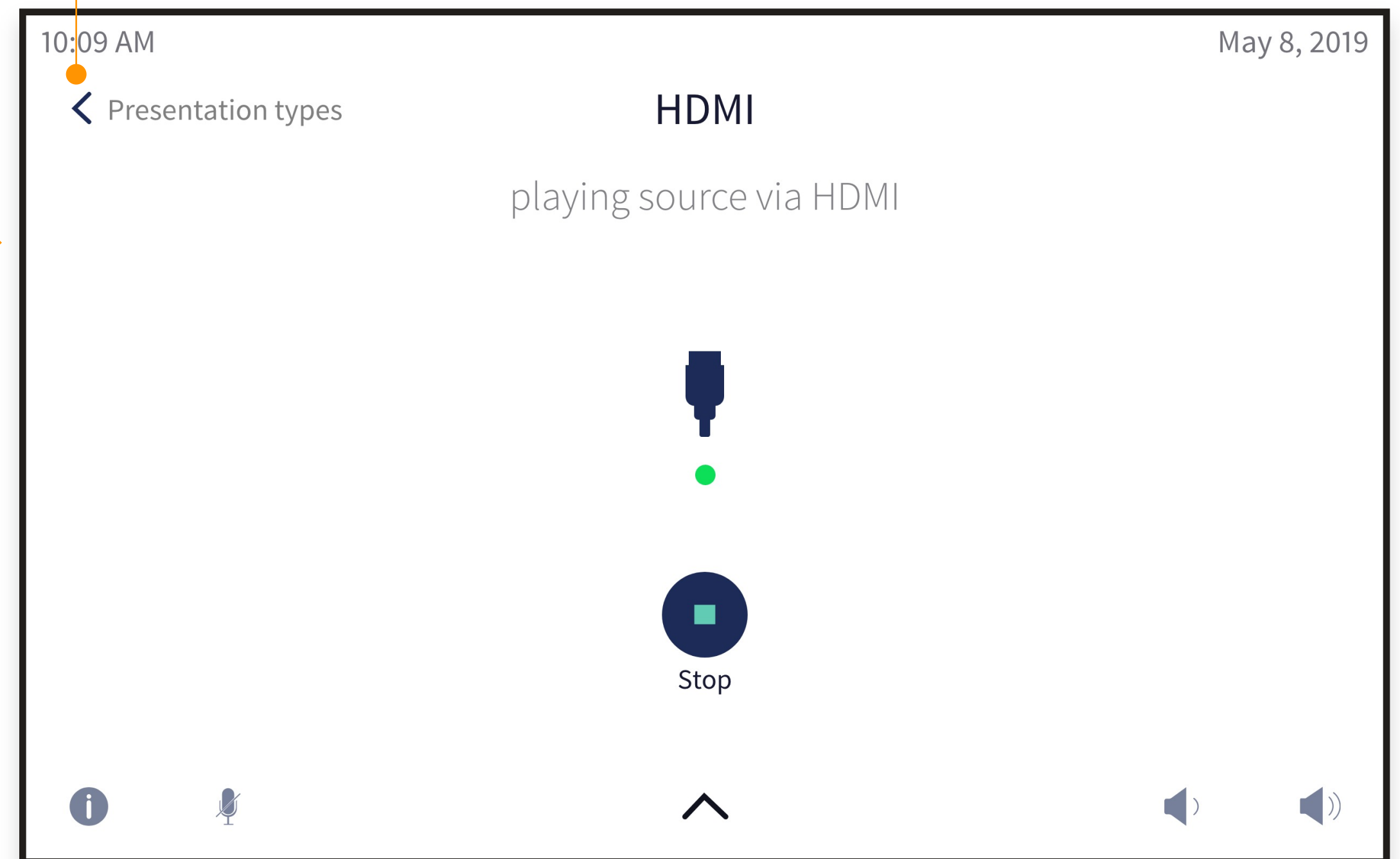
When user selects HDMI presentation type but has not connected his device to HDMI cable provided, UI will display "connect to HDMI" screen.

Present Hdmi Presenting

Starting HDMI presentation from touchscreen



1 Hdmi Presenting Screen



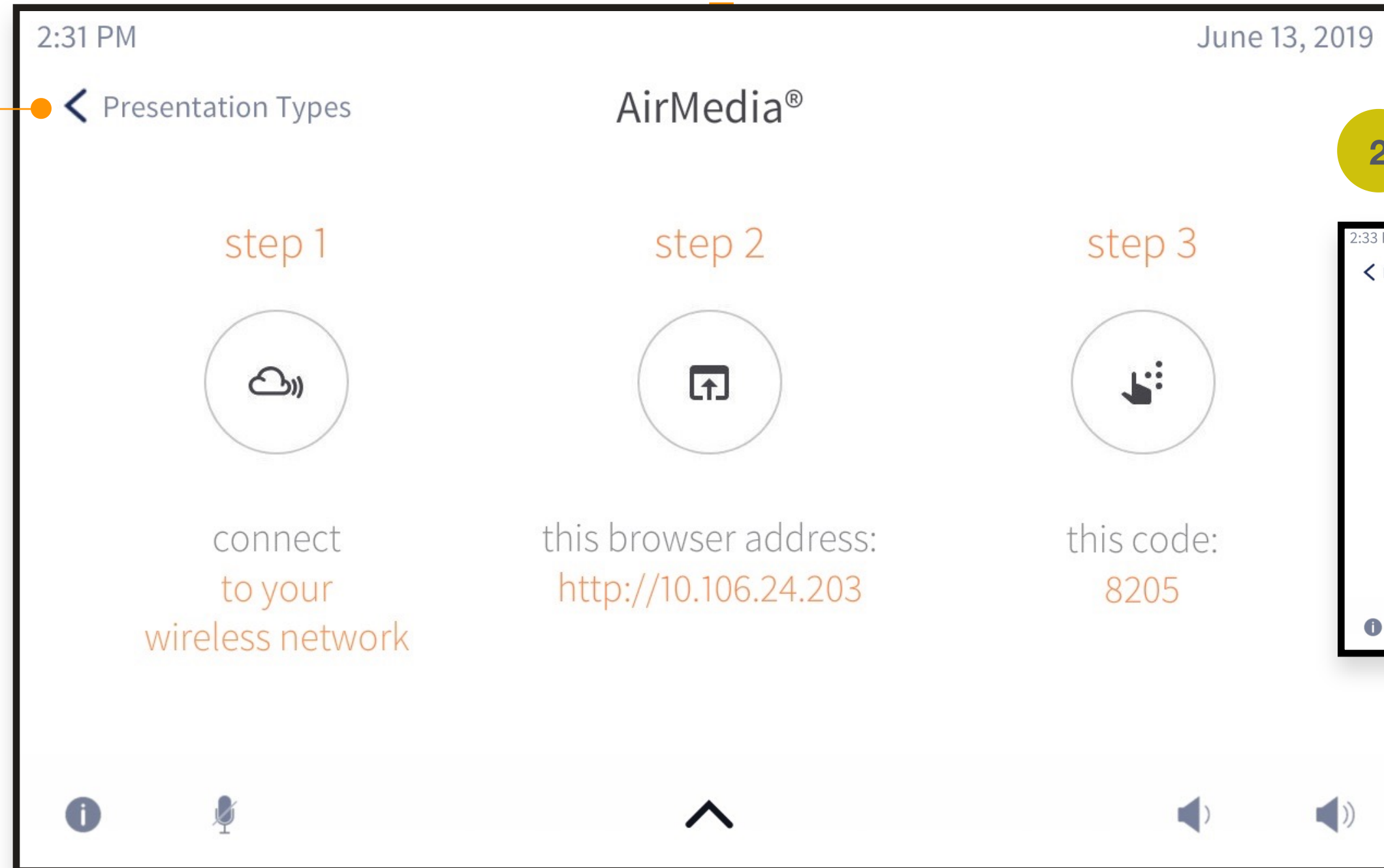
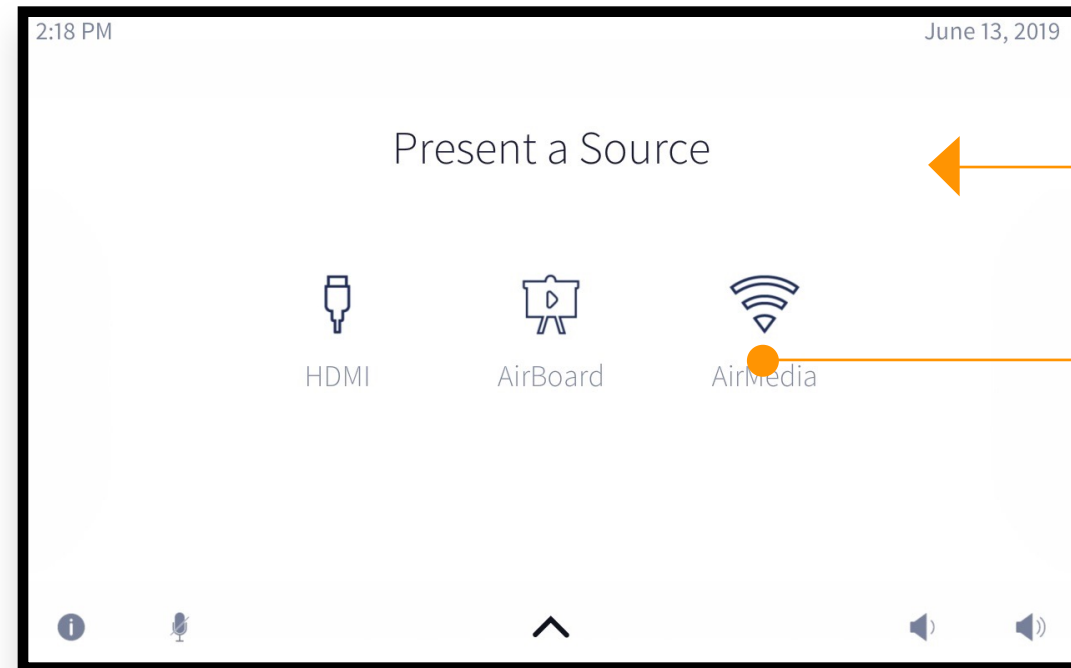
HDMI PRESENTING SCREEN

When video successfully routes to display UI will show "HDMI Presenting Screen".
To stop presenting user will tap "Stop" button.

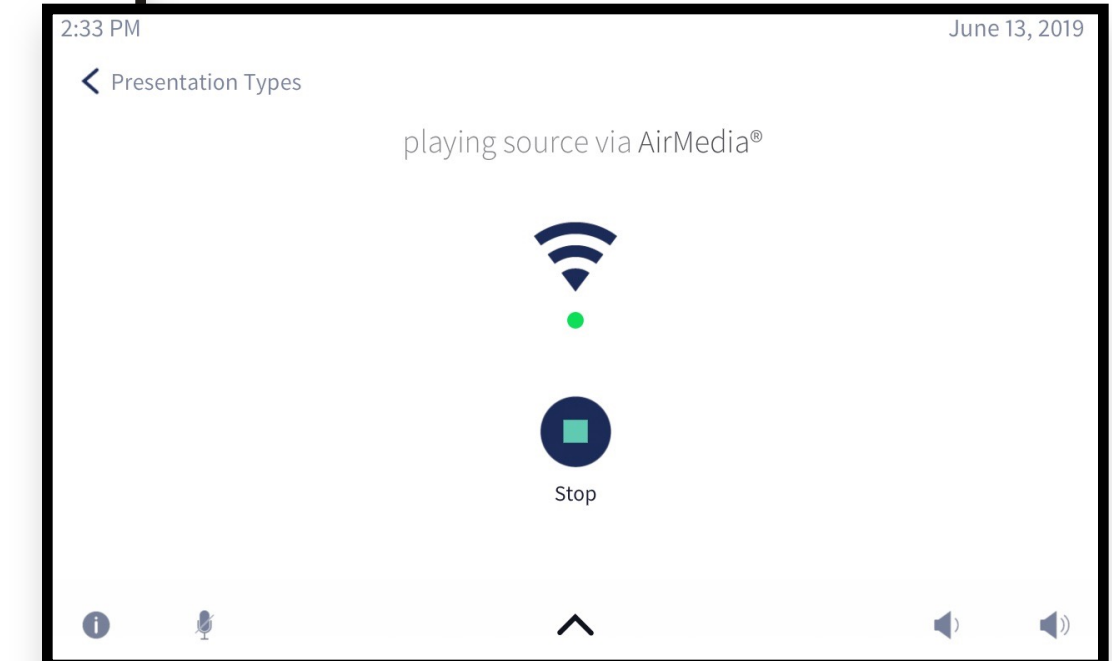
Present AirMedia/Wireless Flow

Starting wireless presentation from touchscreen

1 Connect to AirMedia



2 Hdmi Presenting Screen

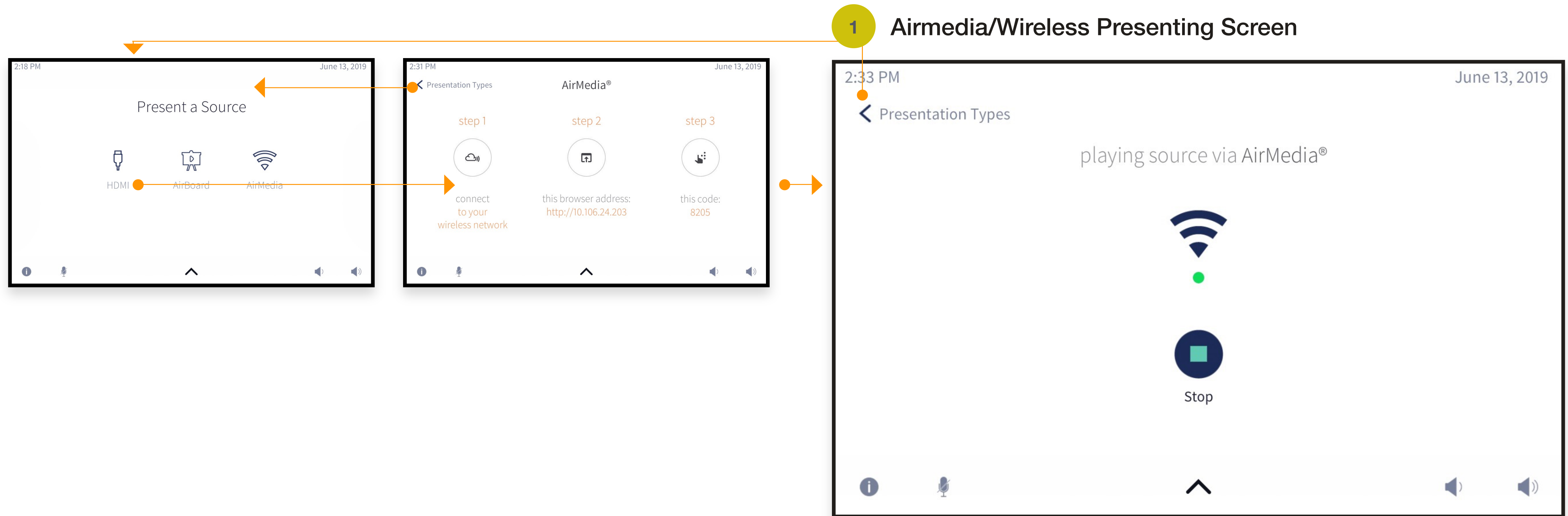


CONNECT TO AIRMEDIA

When user selects AirMedia presentation type UI will display AirMedia connect guide screen.

Present Airmedia/Wireless Presenting

Starting HDMI presentation from touchscreen



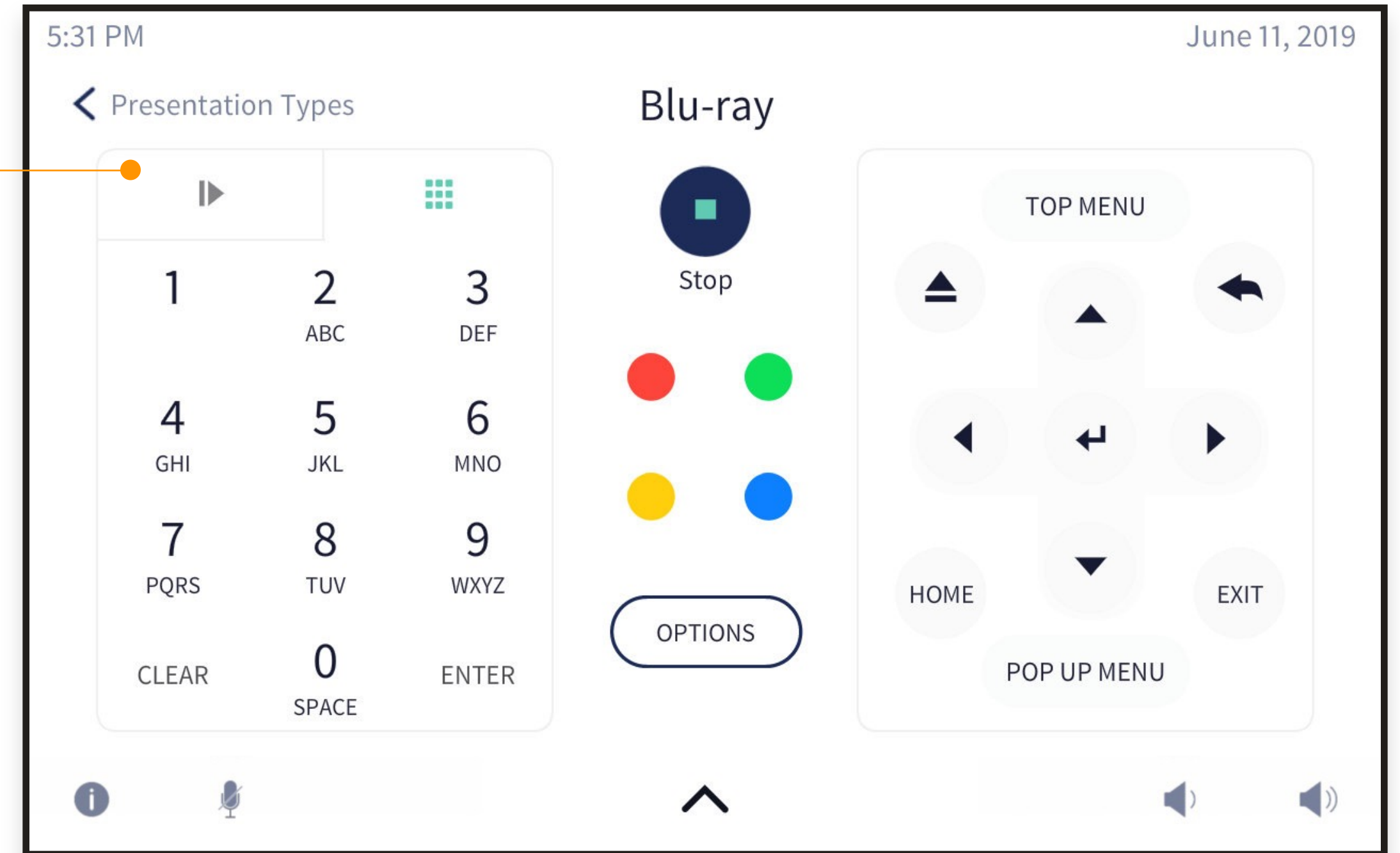
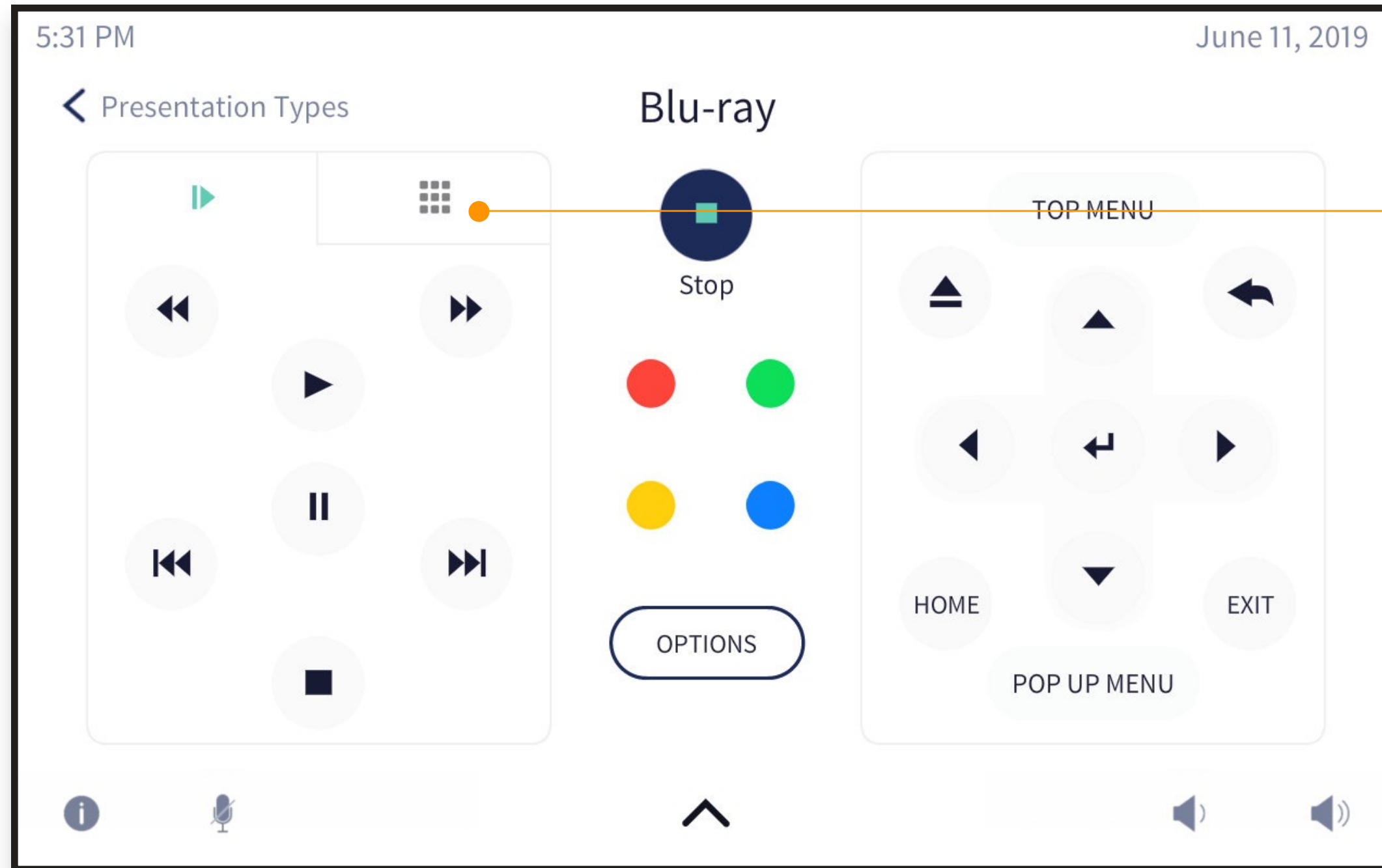
AIRMEDIA/WIRELESS PRESENTING SCREEN

When video successfully routes to display UI will show "AirMedia/Wireless Presenting Screen". To stop presenting user will tap "Stop" button.

Blu-Ray

This is sample control page for "Blu-Ray" source

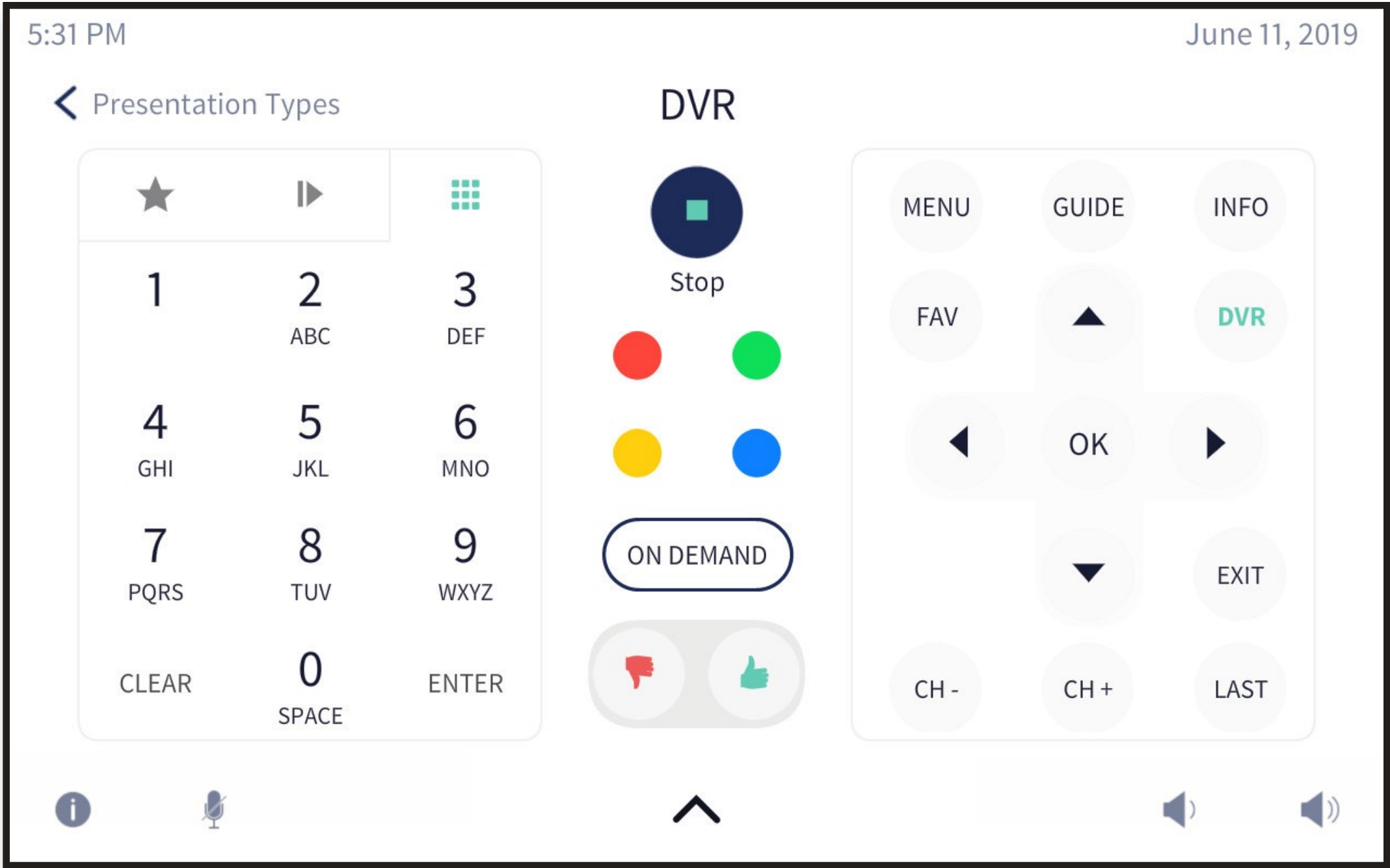
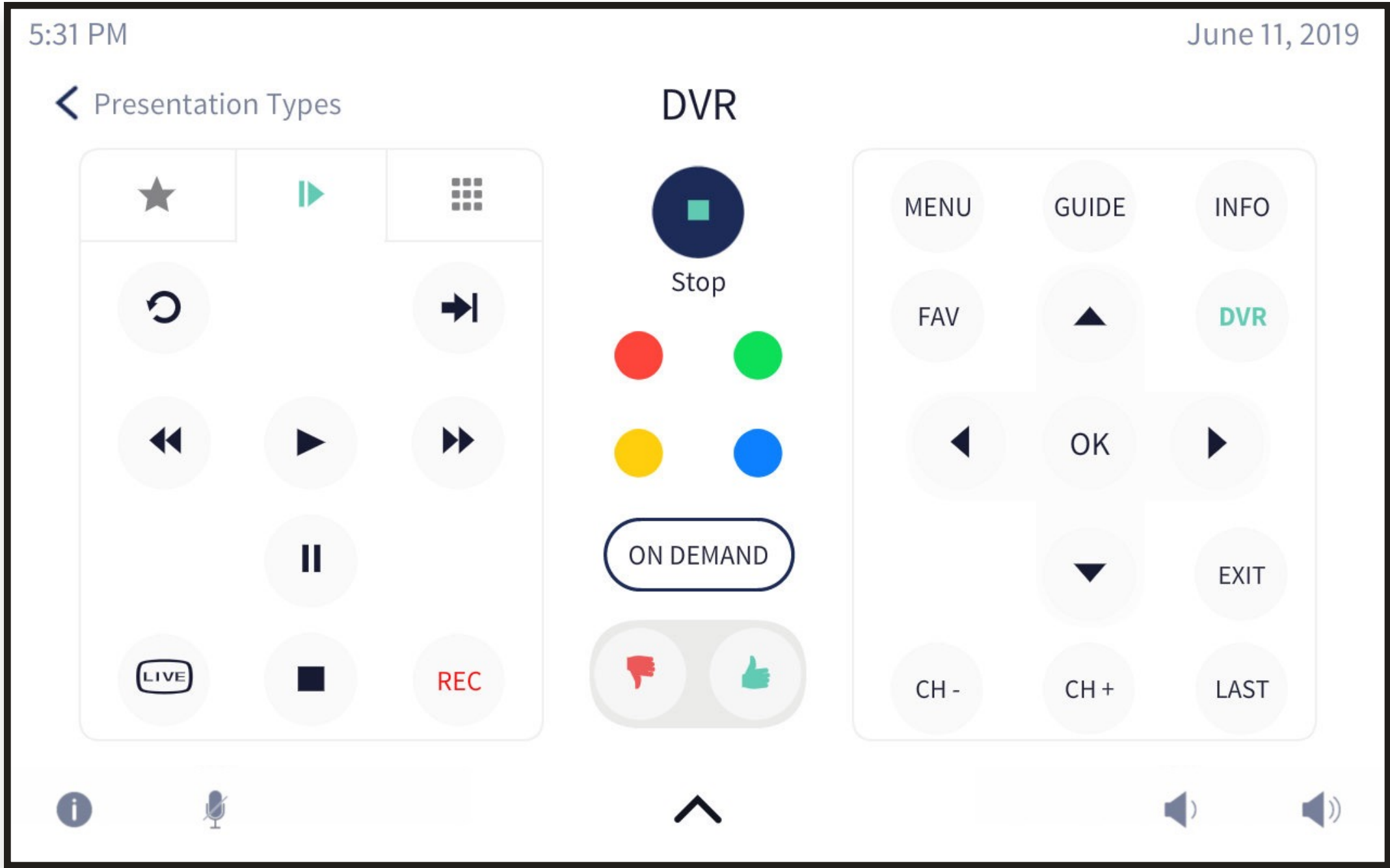
1 Blu-Ray Control Page



Dvr

This is sample control page for "Dvr" source

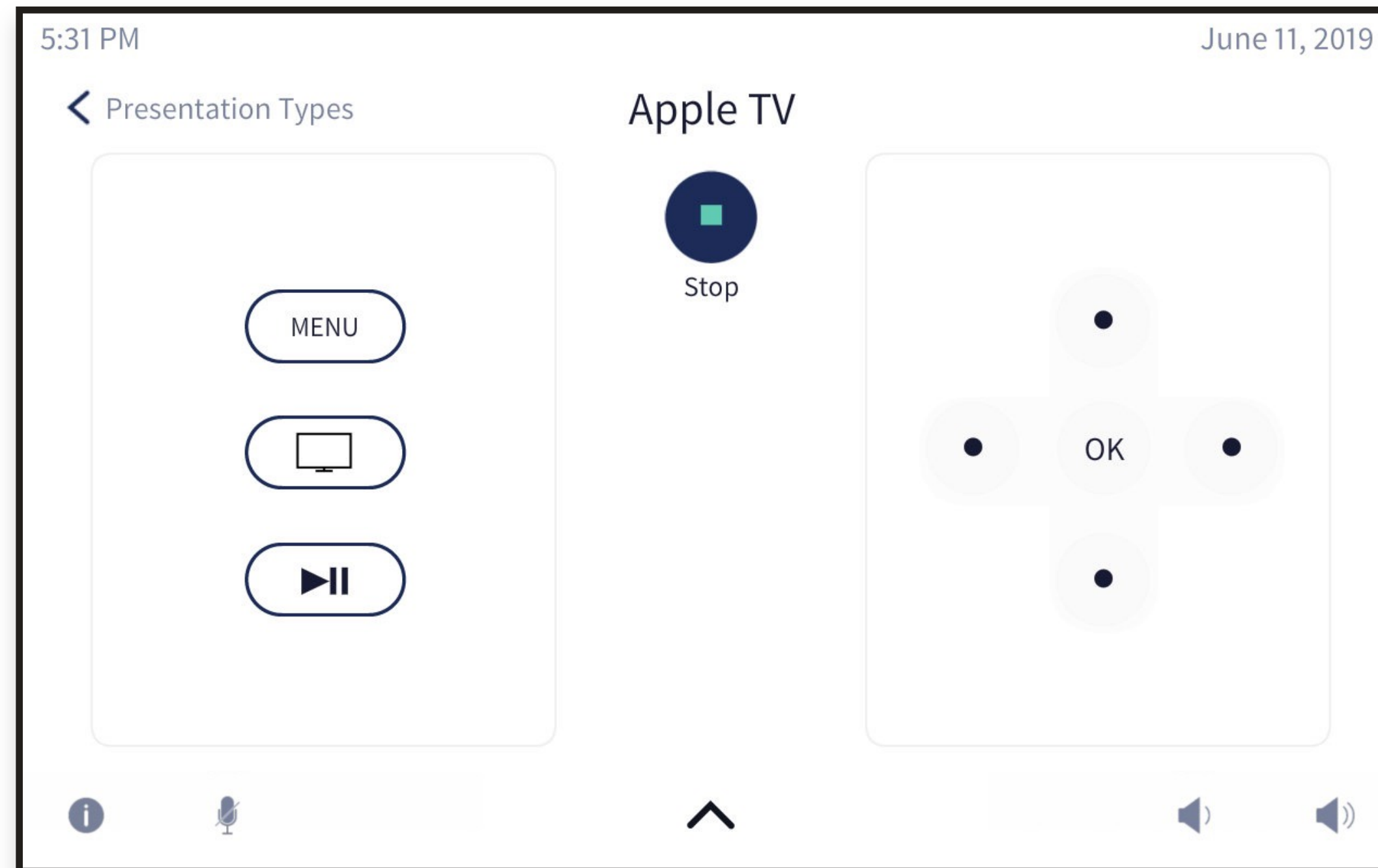
1 Dvr Control Page



Streaming Video - AppleTV

This is sample control page for “AppleTV” source

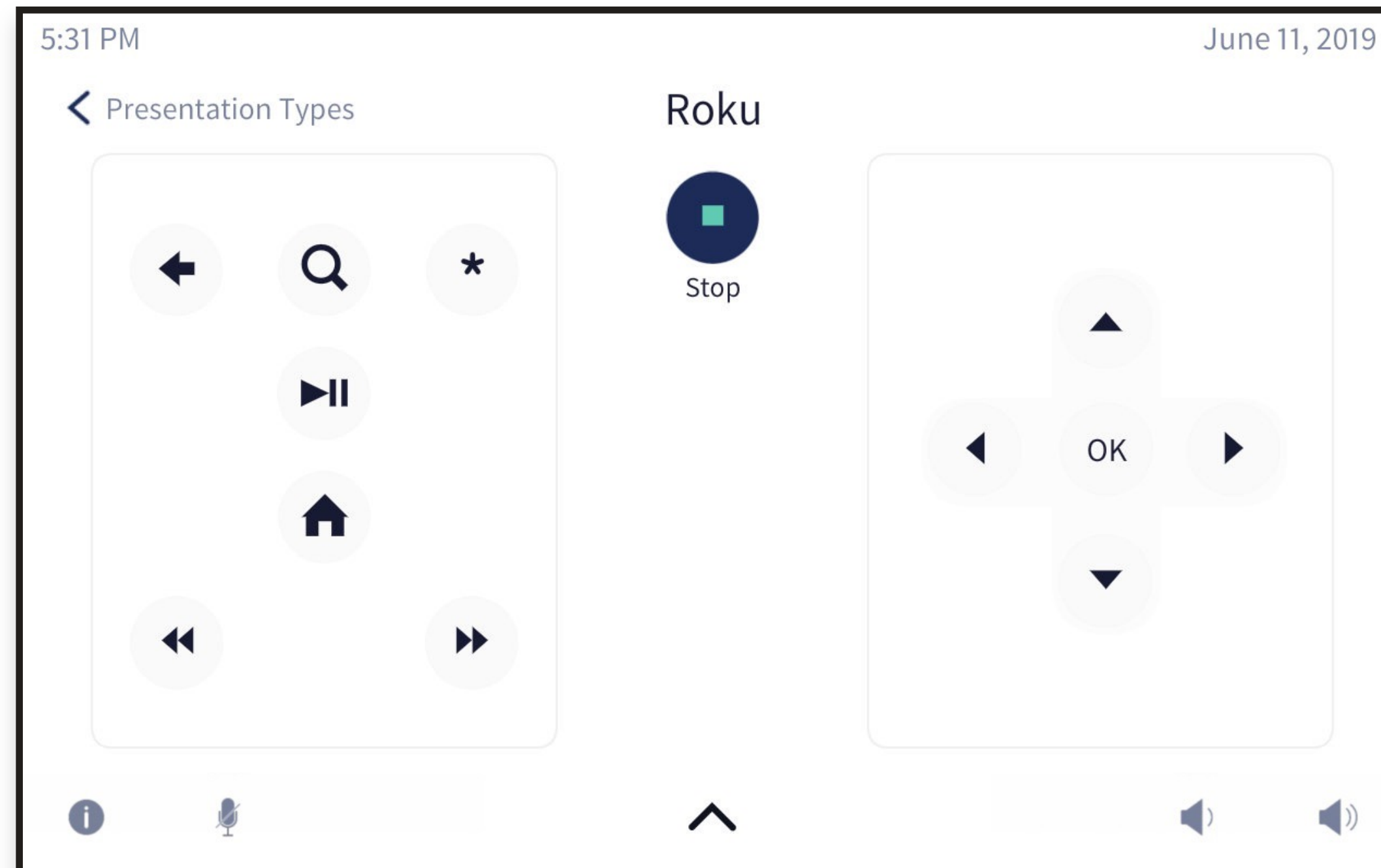
1 AppleTV Control Page



Streaming Video - Roku

This is sample control page for "Roku" source

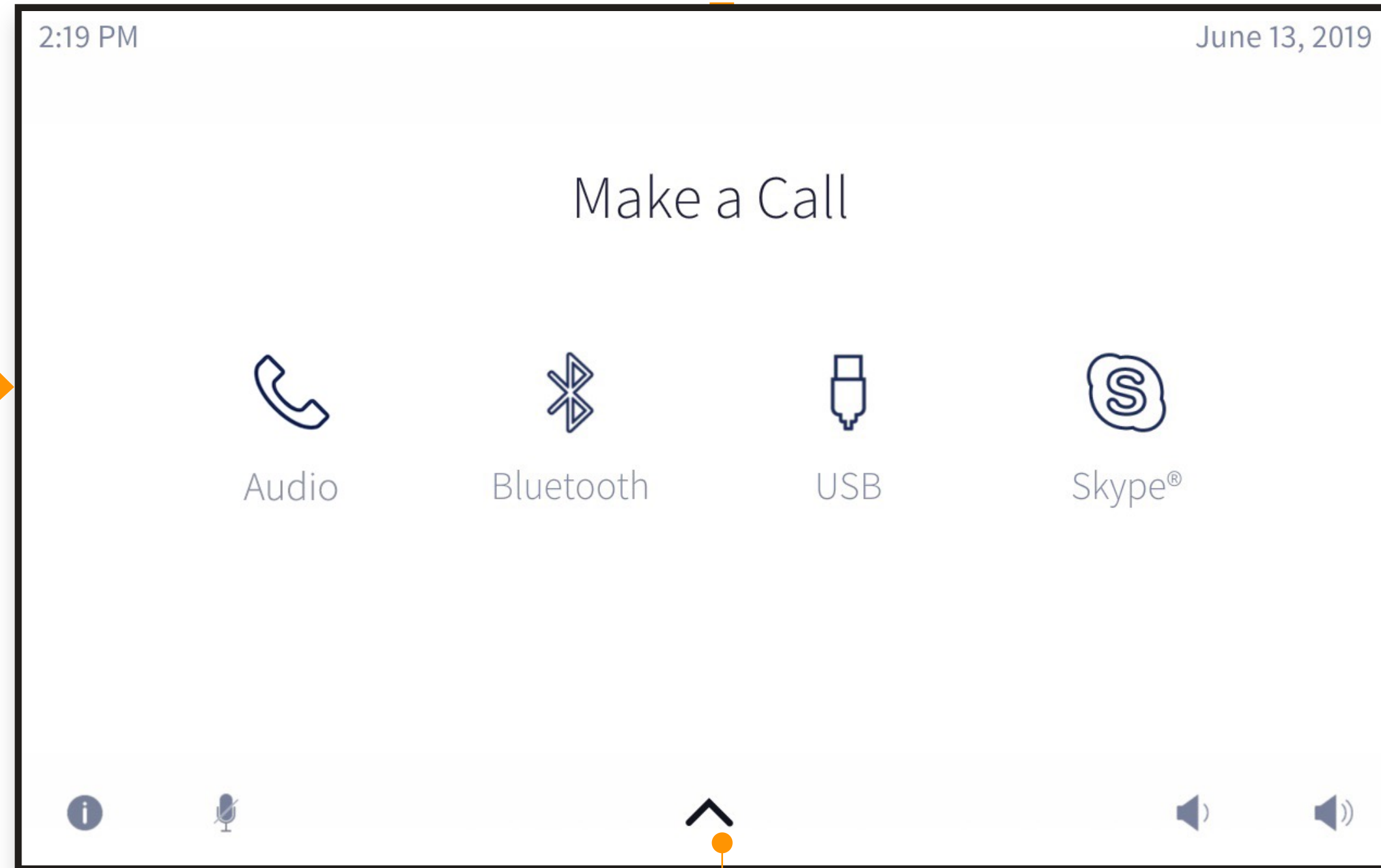
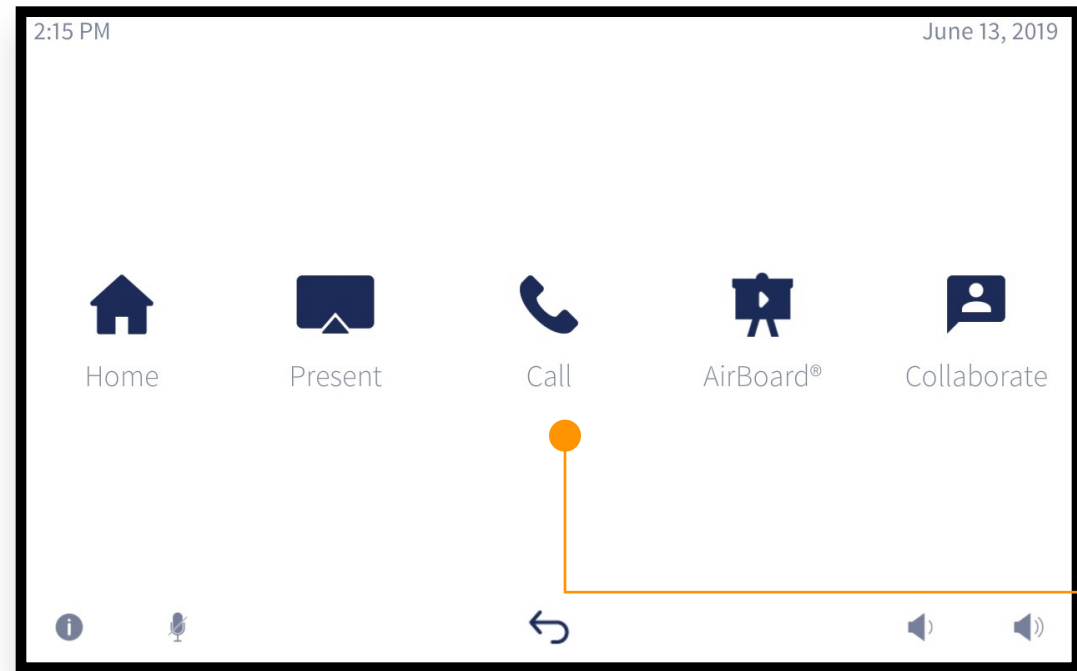
1 Roku Control Page



Call Selection Flow

Recalling call selections screen

1 Call Selection Screen

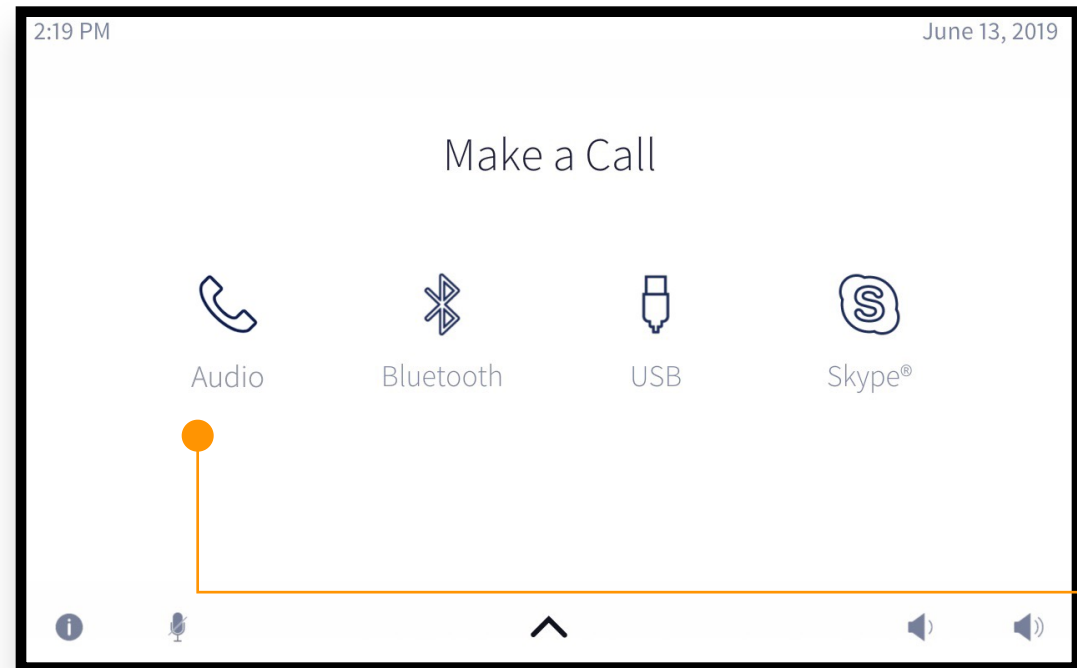


CALL SELECTION SCREEN

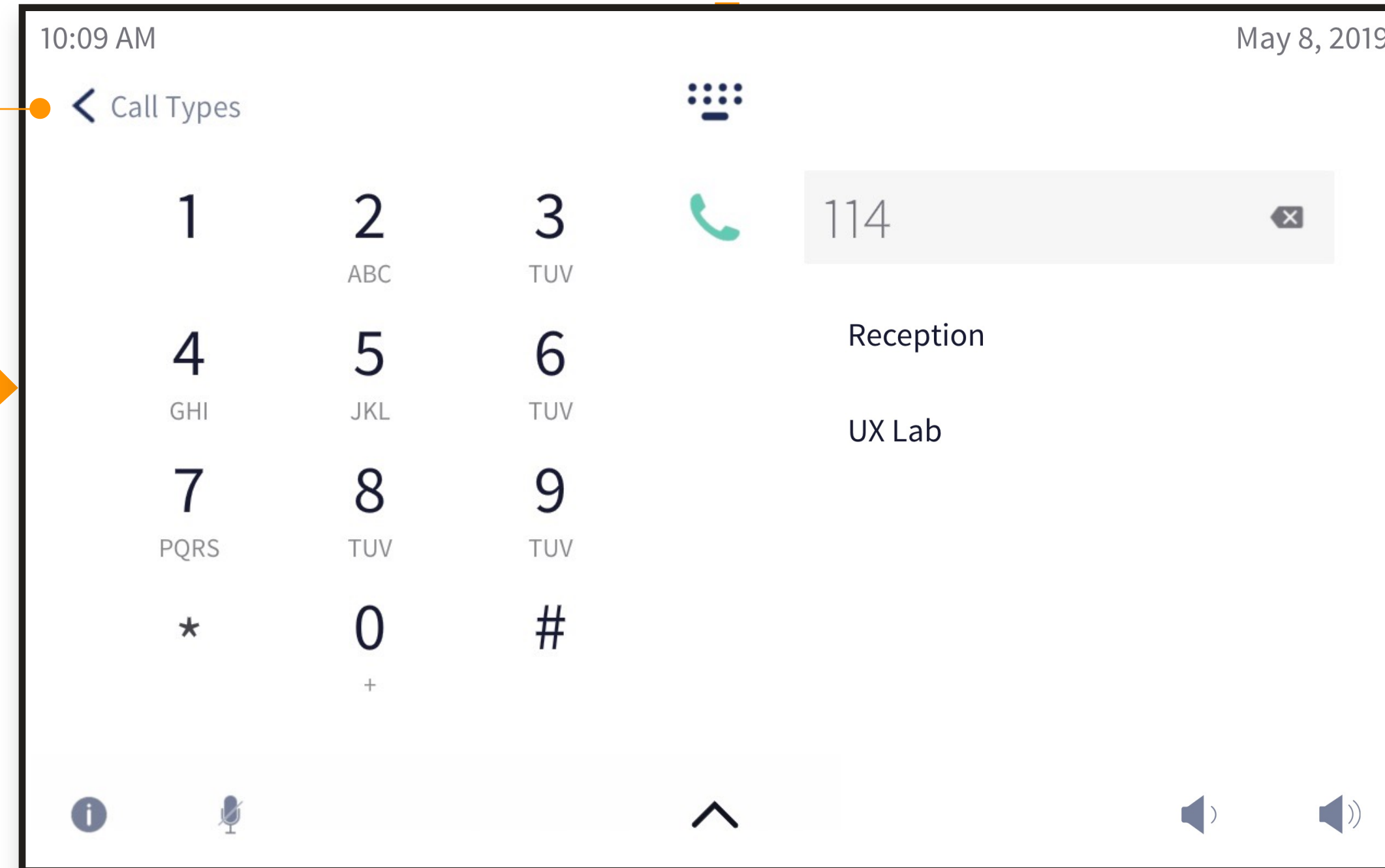
The "Call Selection" screen when recalled will display all calling options configured in the system.

Audio Call Dialer

Recalling audio dialer



1 Audio Call Dialer



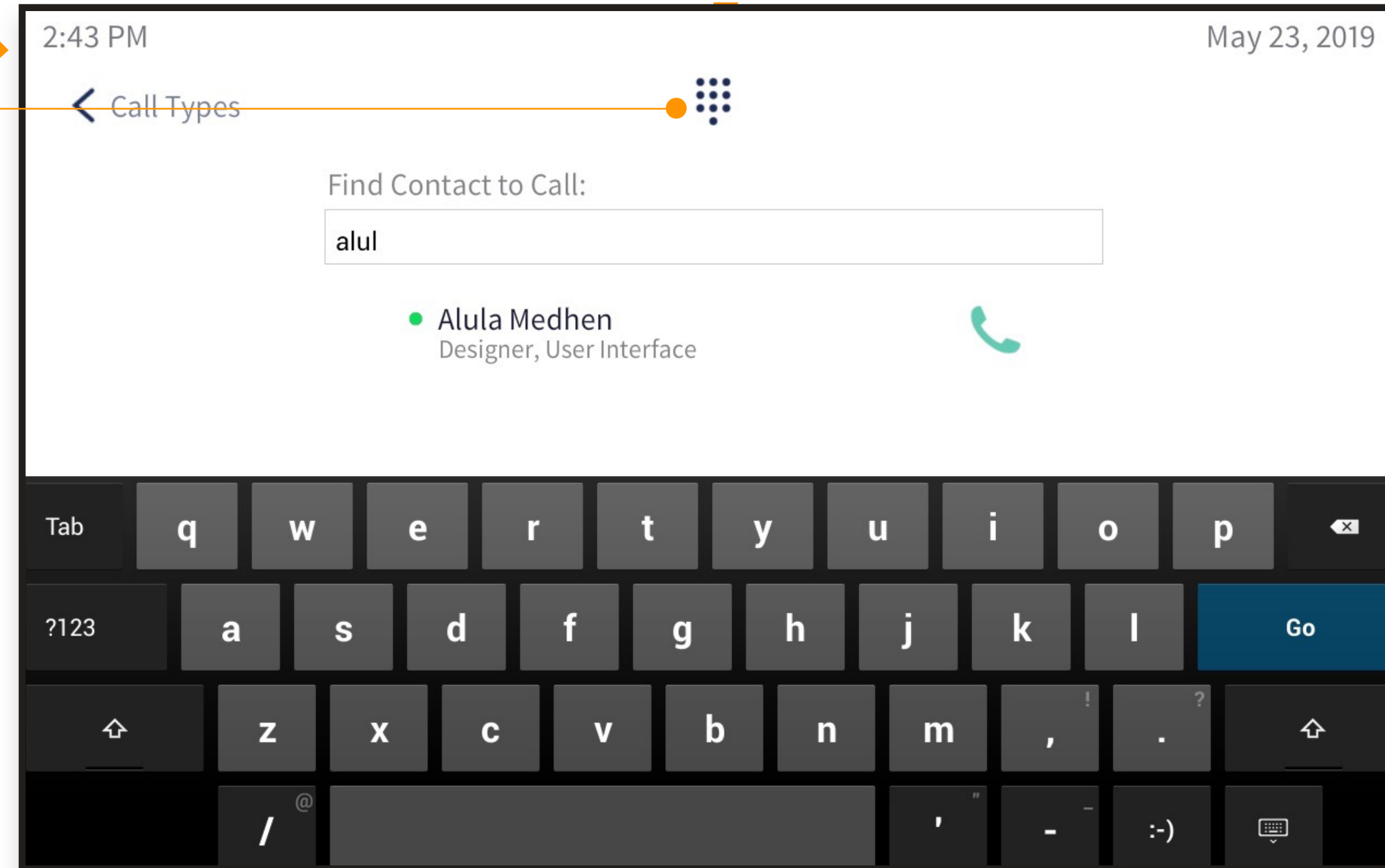
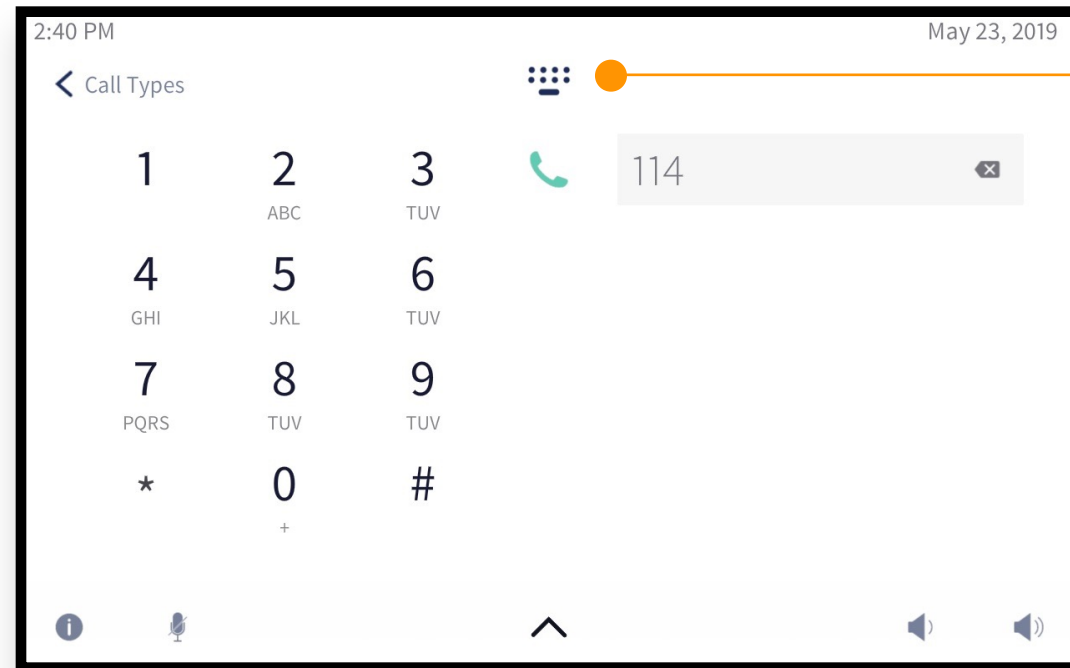
AUDIO CALL DIALER

When an audio call is NOT in progress, the user will be shown this screen when they navigate to the audio call page.
The interface for audio call will consist of: Number Pad with Alphabet, Call Button, Dial String, Backspace Button, Up to 4 Speed Keys (if configured), and Keyboard directory search button (if configured).

Audio Call Keyboard Search

Using keyboard search

2 Audio Call Keyboard Directory Search

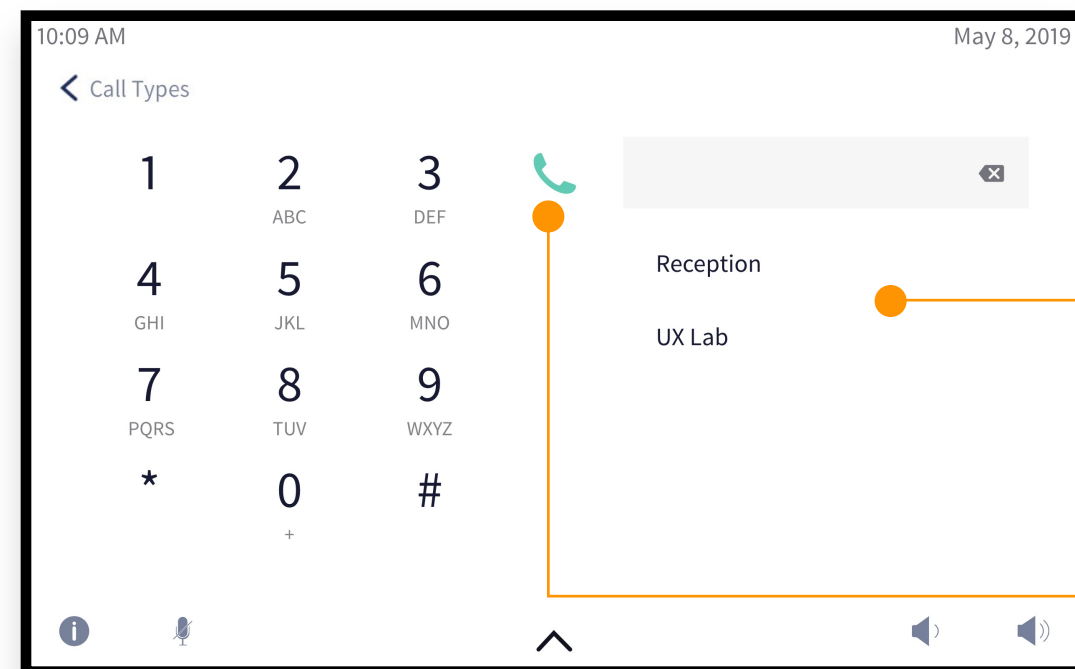


AUDIO CALL KEYBOARD DIRECTORY SEARCH

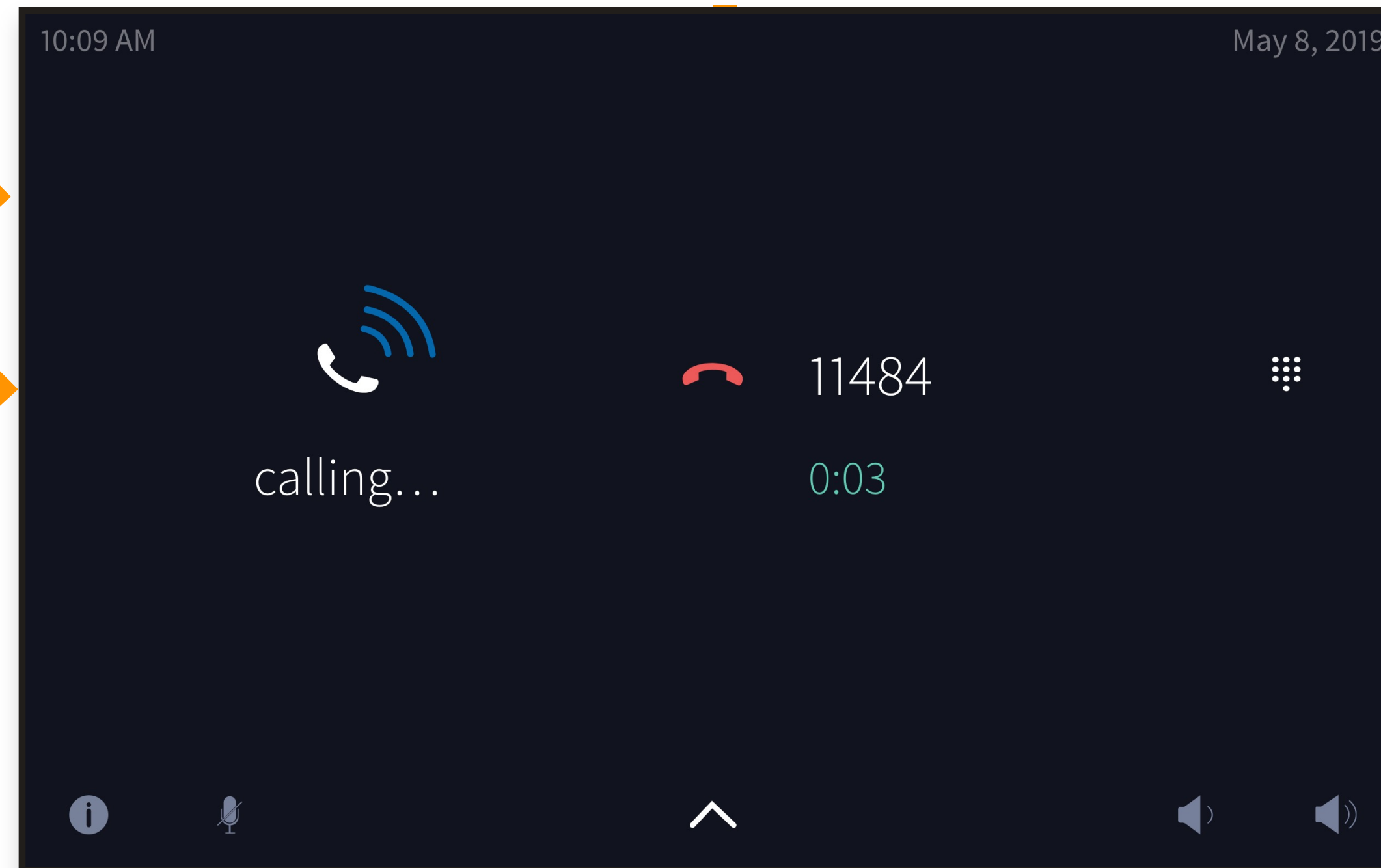
On this screen user can perform directory look up or manually dial SIP URI using built-in keyboard.

Audio Call Outgoing Call

Dialing number



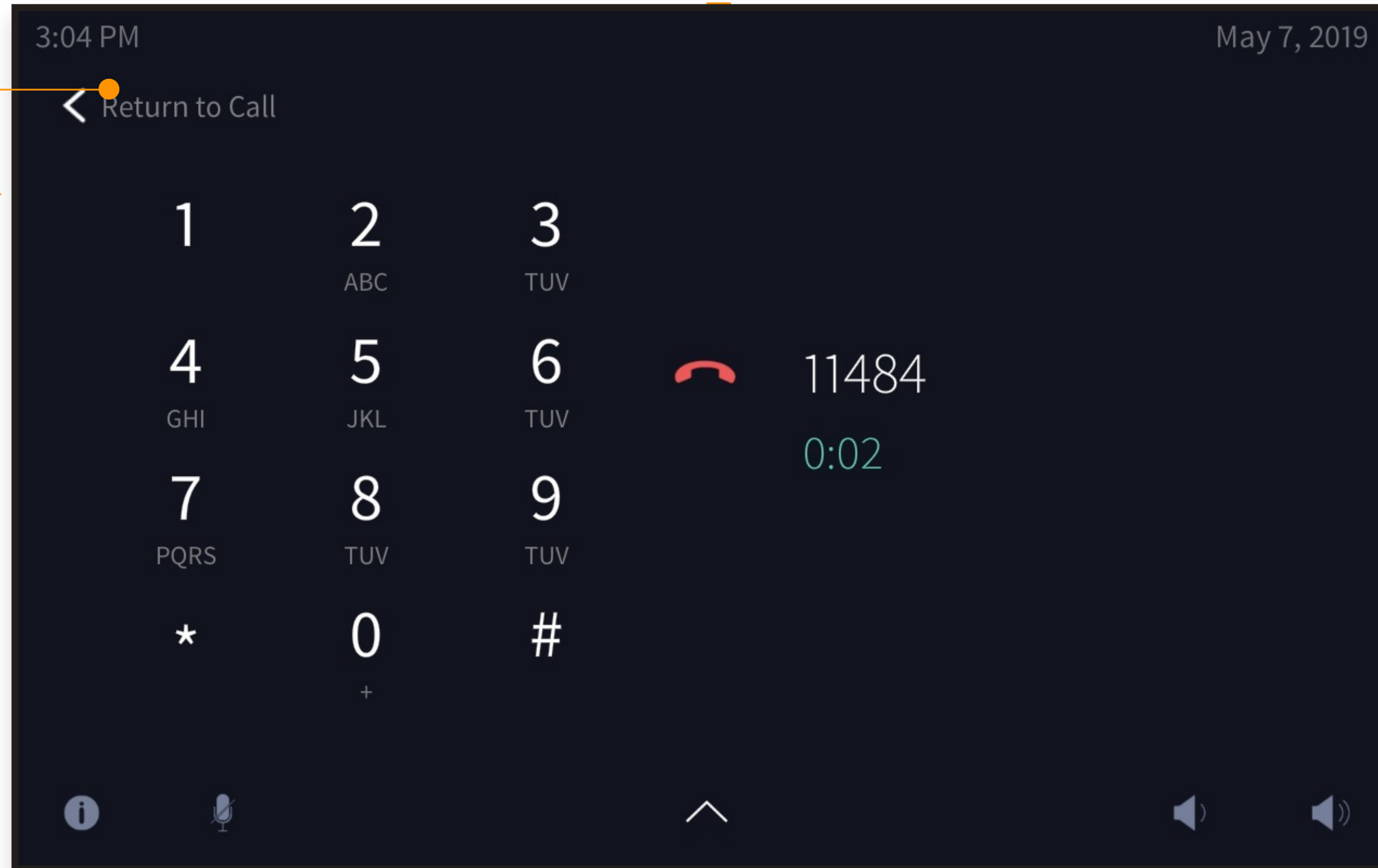
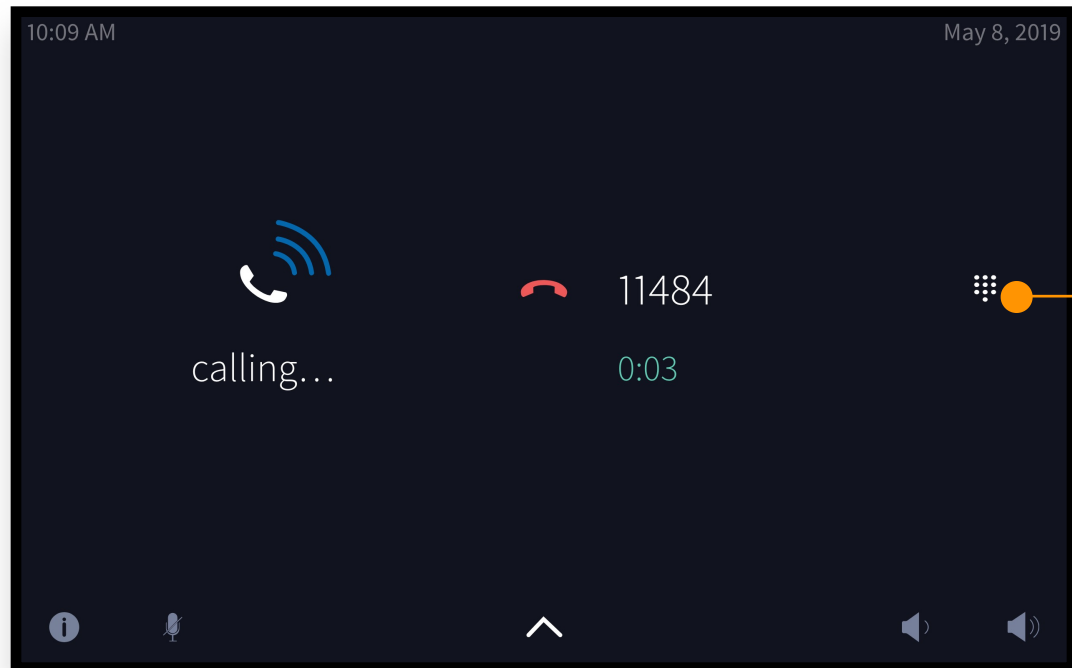
3 Audio Call Outgoing Call



Audio Call DTMF Dialer

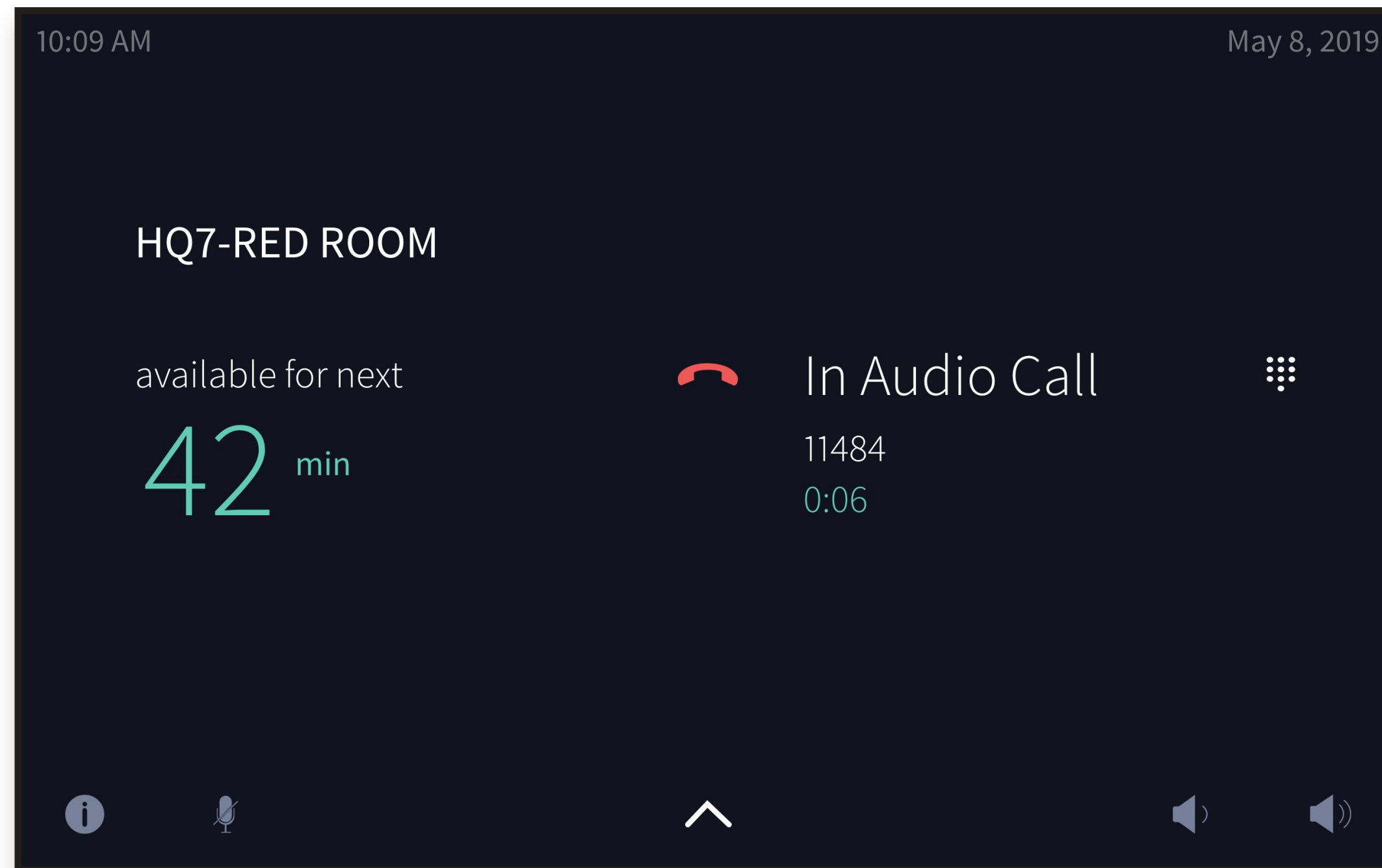
Recalling DTMF Dialer

4 DTMF Dialer



Audio Call - In a Call

4 In Audio Call Screen



IN AUDIO CALL SCREEN

"In a Audio Call" page will be displayed if a call has been established.

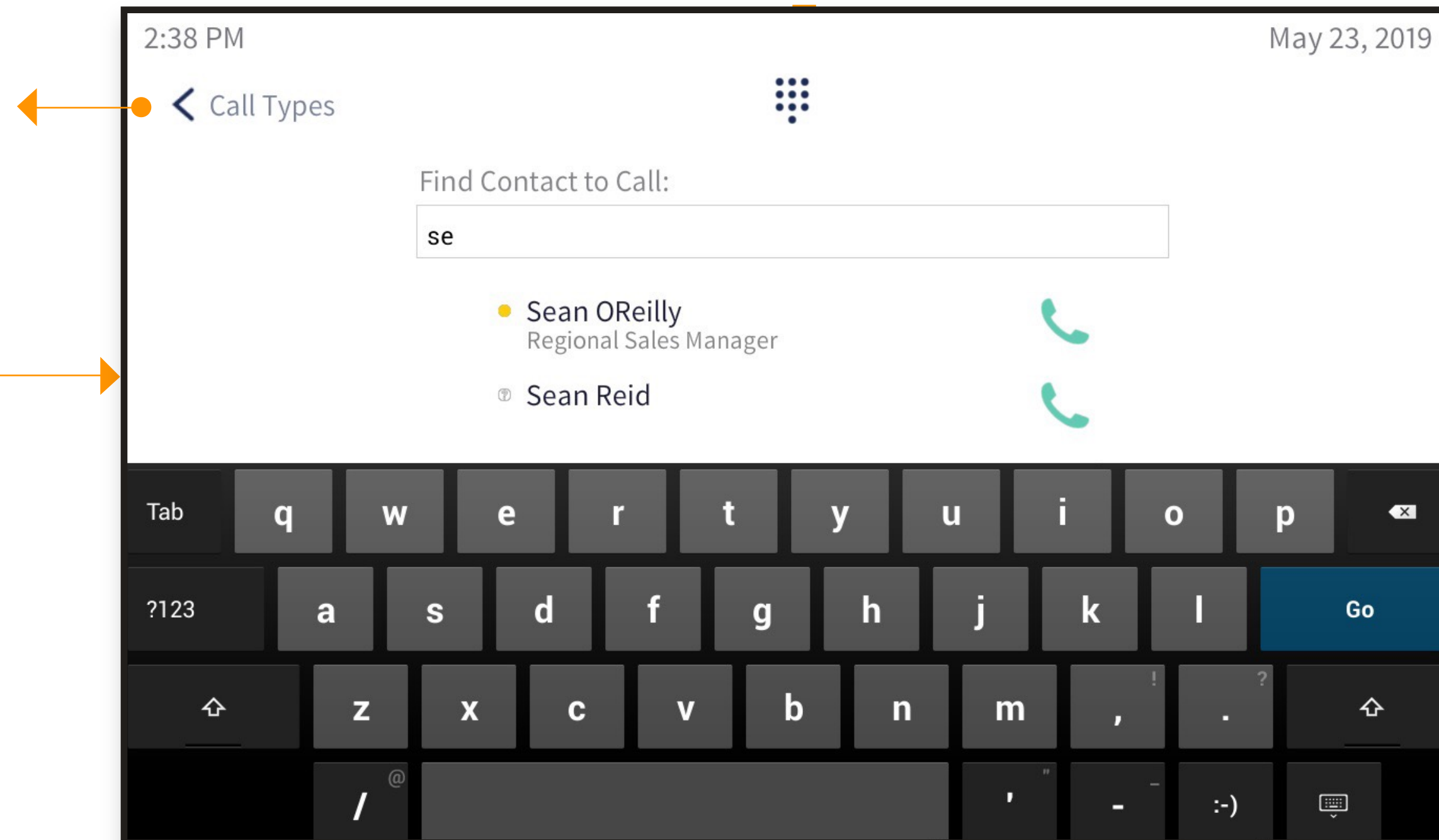
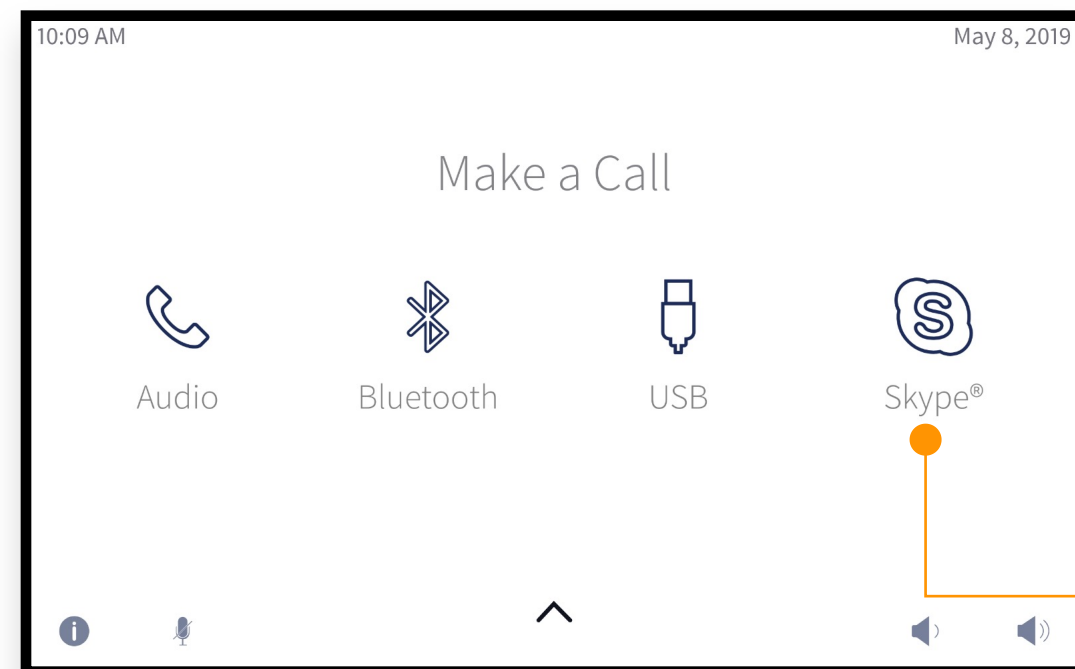
User can "End" current call, or if needed can bring a simple keypad for dial tone functionality.

This screen also shows room name and current room scheduling status if configured.

Skype Call Keyboard Search

Making Skype call

1 Skype Call Keyboard Search Screen



SKYPE CALL FIND CONTACT SCREEN

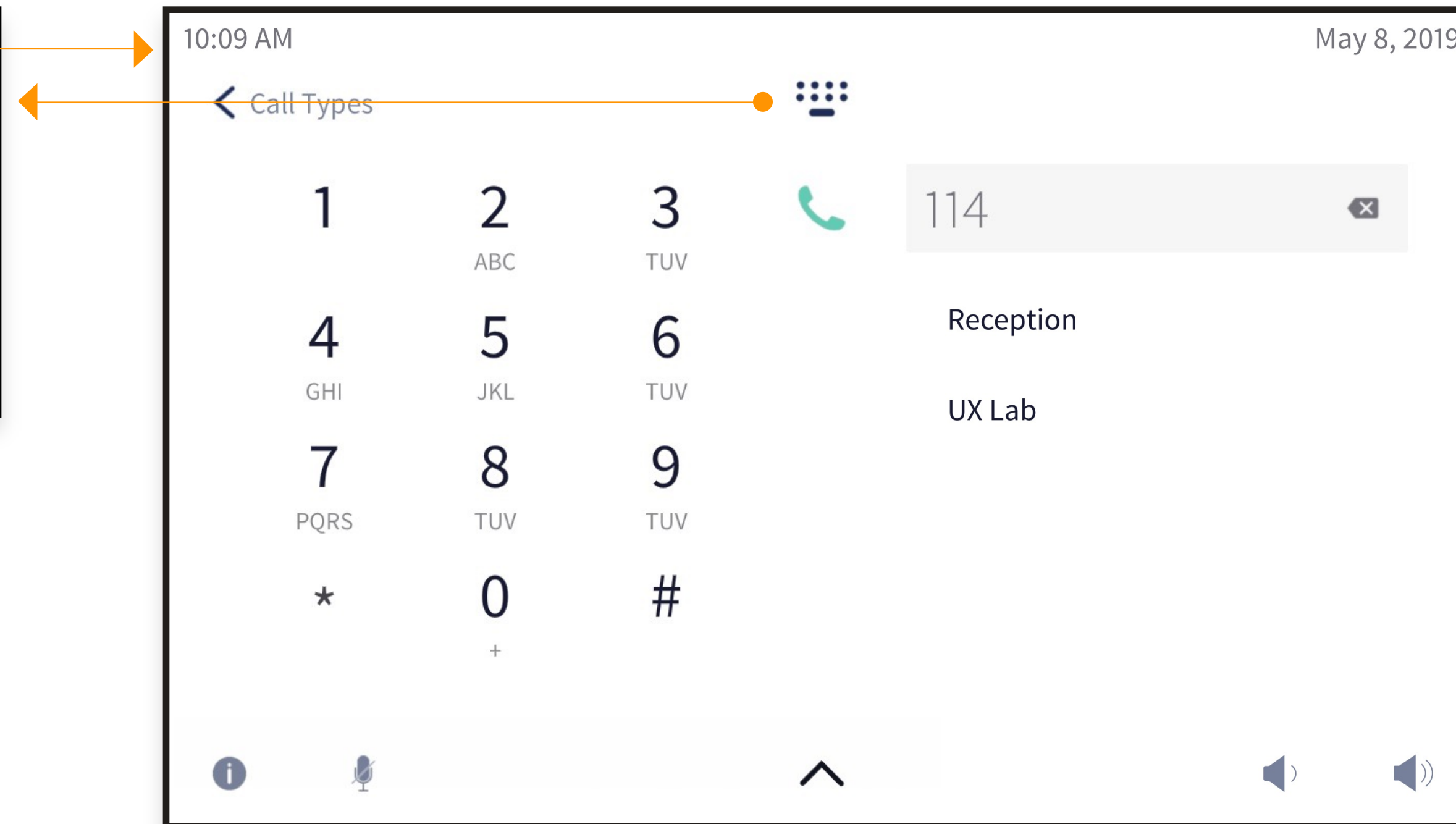
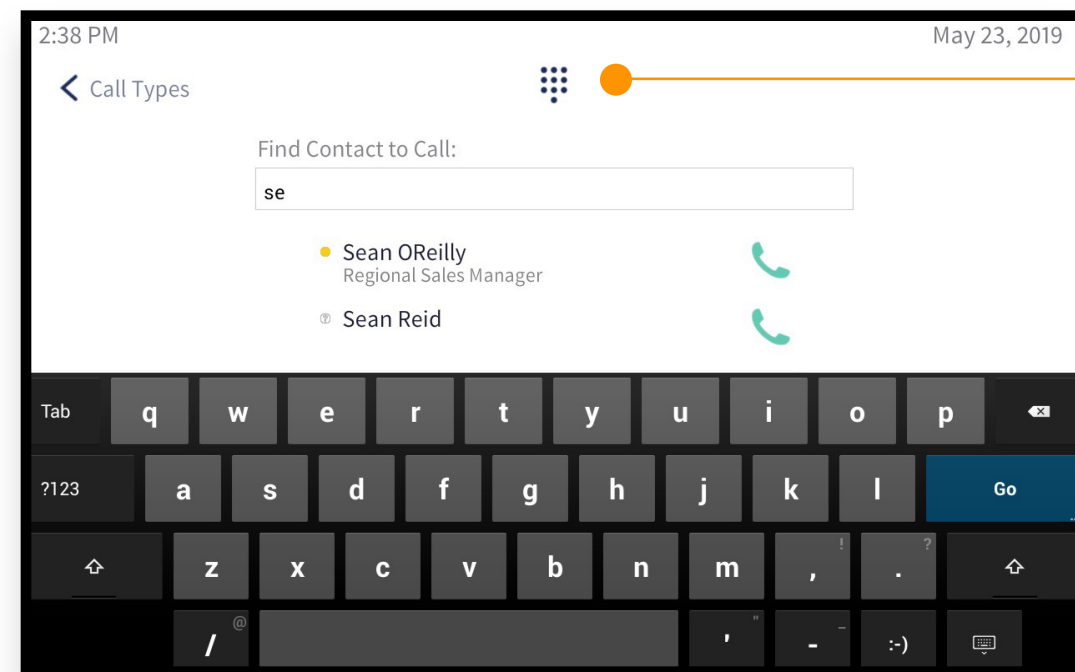
This is the first screen user will see when selecting Skype call option from call selection screen. Using built in keyboard user will be able to perform directory look up or manually dial SIP URI.

After user starts typing the name, system will start "querying" results and provide best matches in scrollable list below the text field. List item will show the users' Skype status, name, title, and call icon. Tapping the contact list item will perform a quick dial to add contact to active call.

Skype Call Keyboard Search

Making Skype call

2 Skype Call Dialer



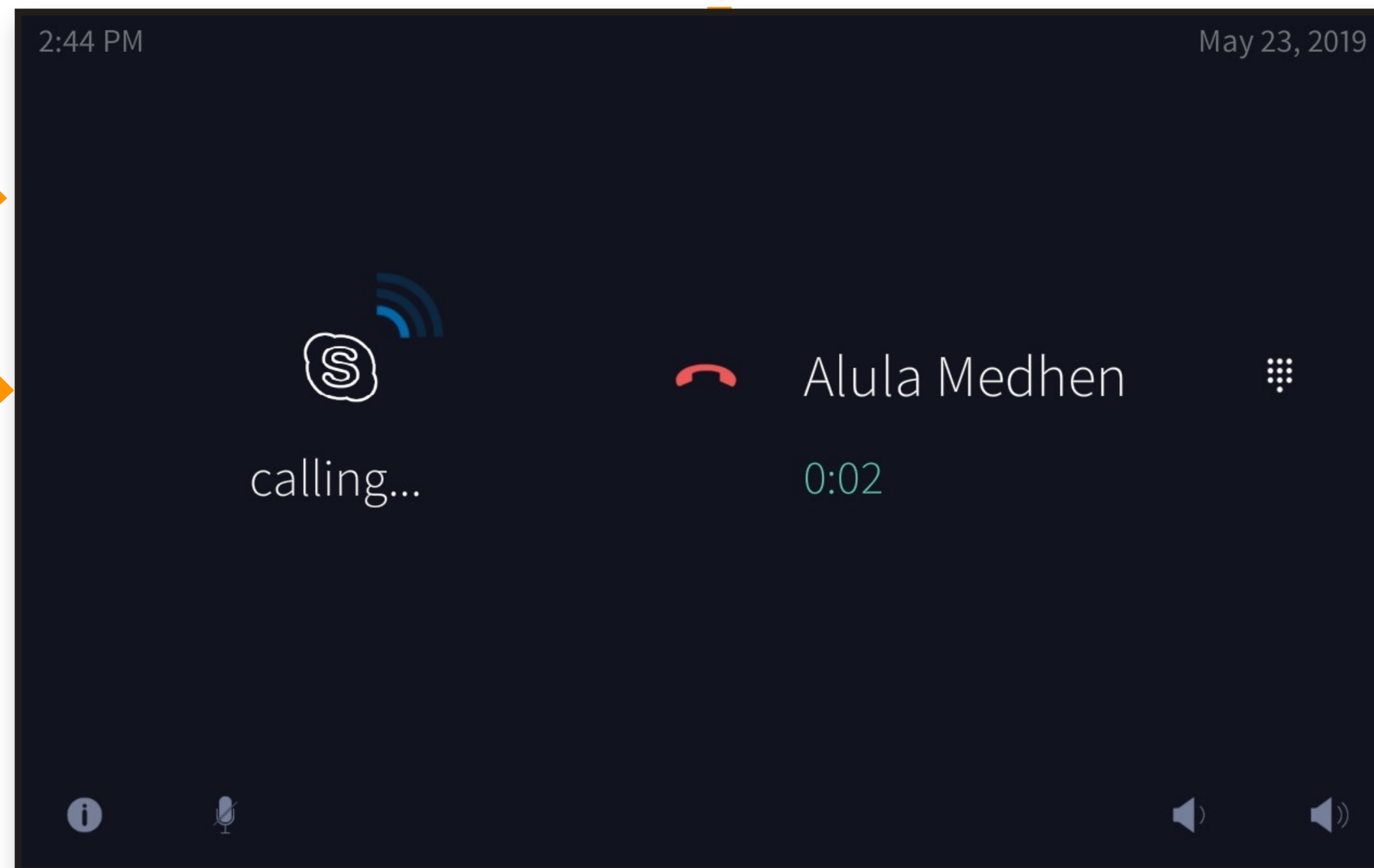
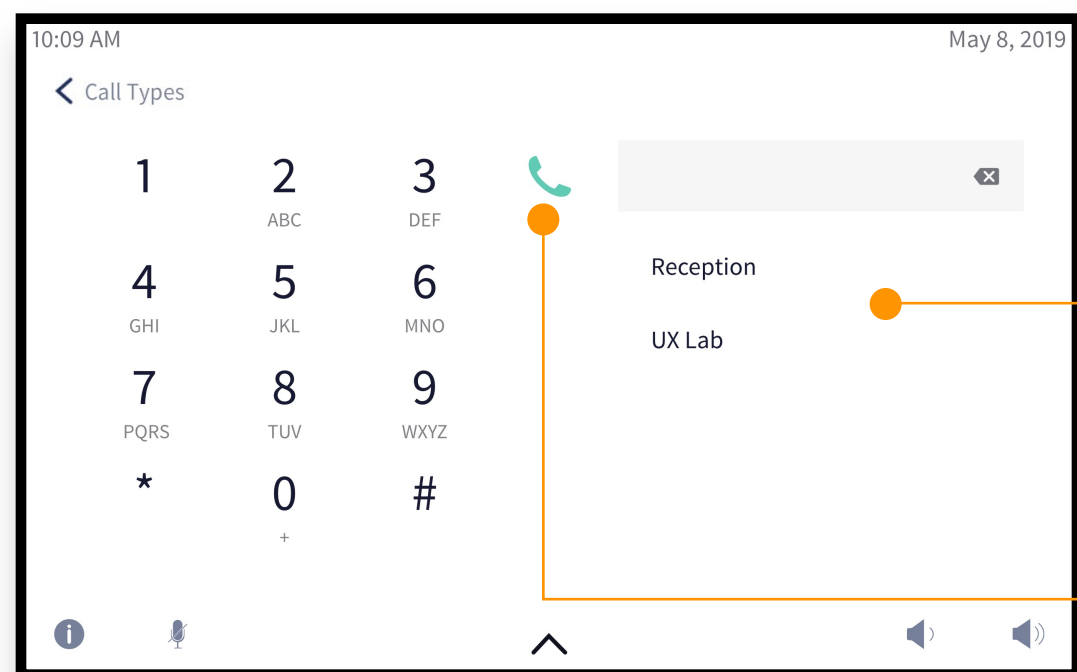
SKYPE CALL DIALER

When an audio call is NOT in progress, the user will be shown this screen when they navigate to the audio call page.
The interface for audio call will consist of: Number Pad with Alphabet, Call Button, Dial String, Backspace Button, Up to 4 Speed Keys (if configured), and Keyboard directory search button (if configured).

Skype Call Outgoing Call

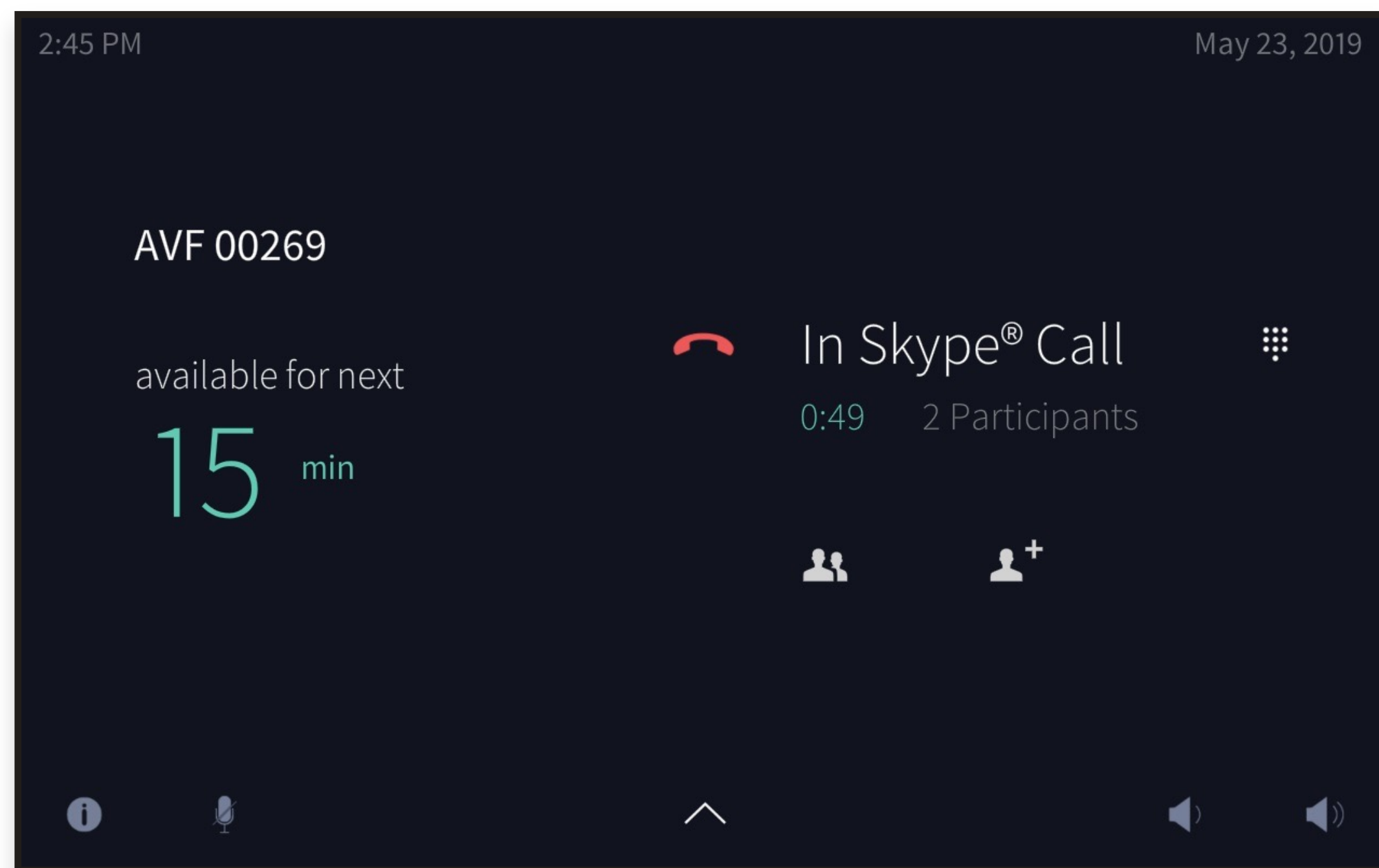
Dialing number

3 Skype Call Outgoing Call



Skype Call - In a Call

4 In Skype Call



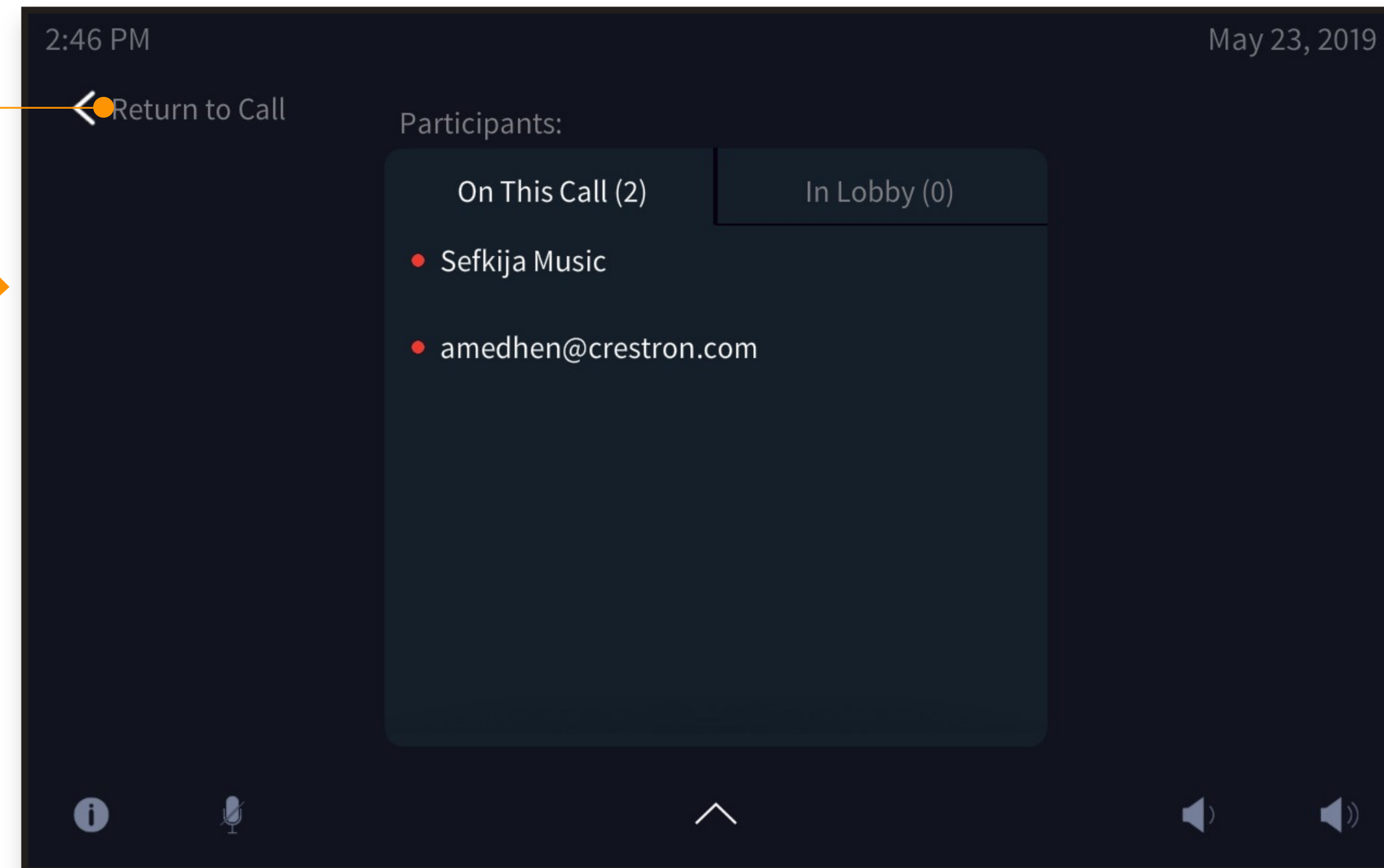
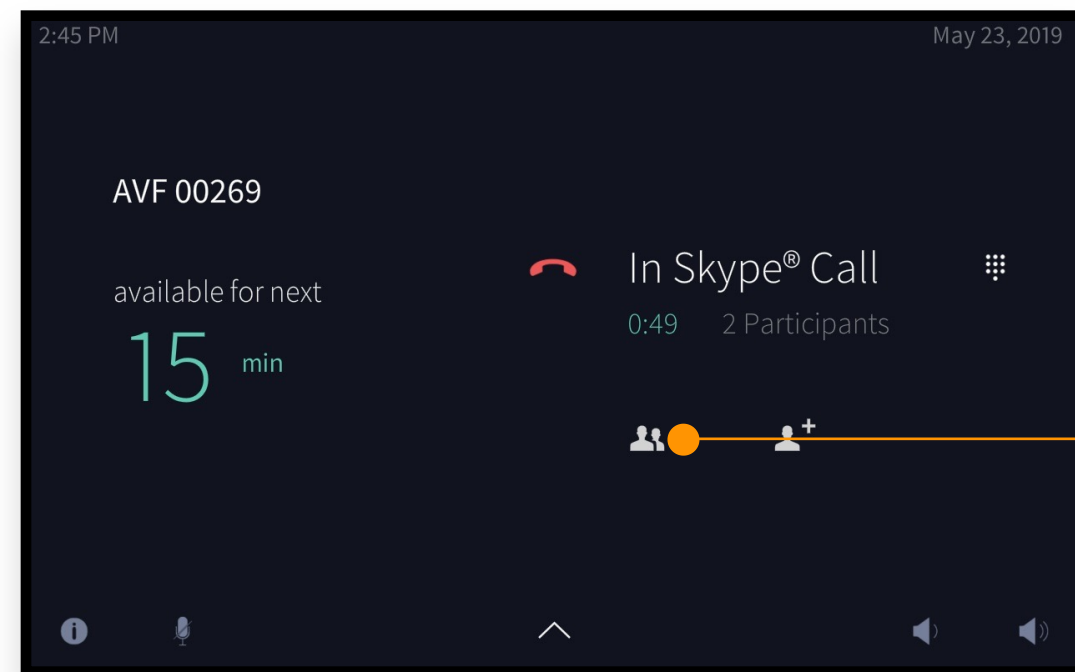
IN SKYPE CALL SCREEN

"In a Skype Call" page will be displayed if a call has been established.

User can "End" current call, or if needed can bring a simple keypad for dial tone functionality. Also options for participants management are present.

Skype Call View Participants

5 View Participants

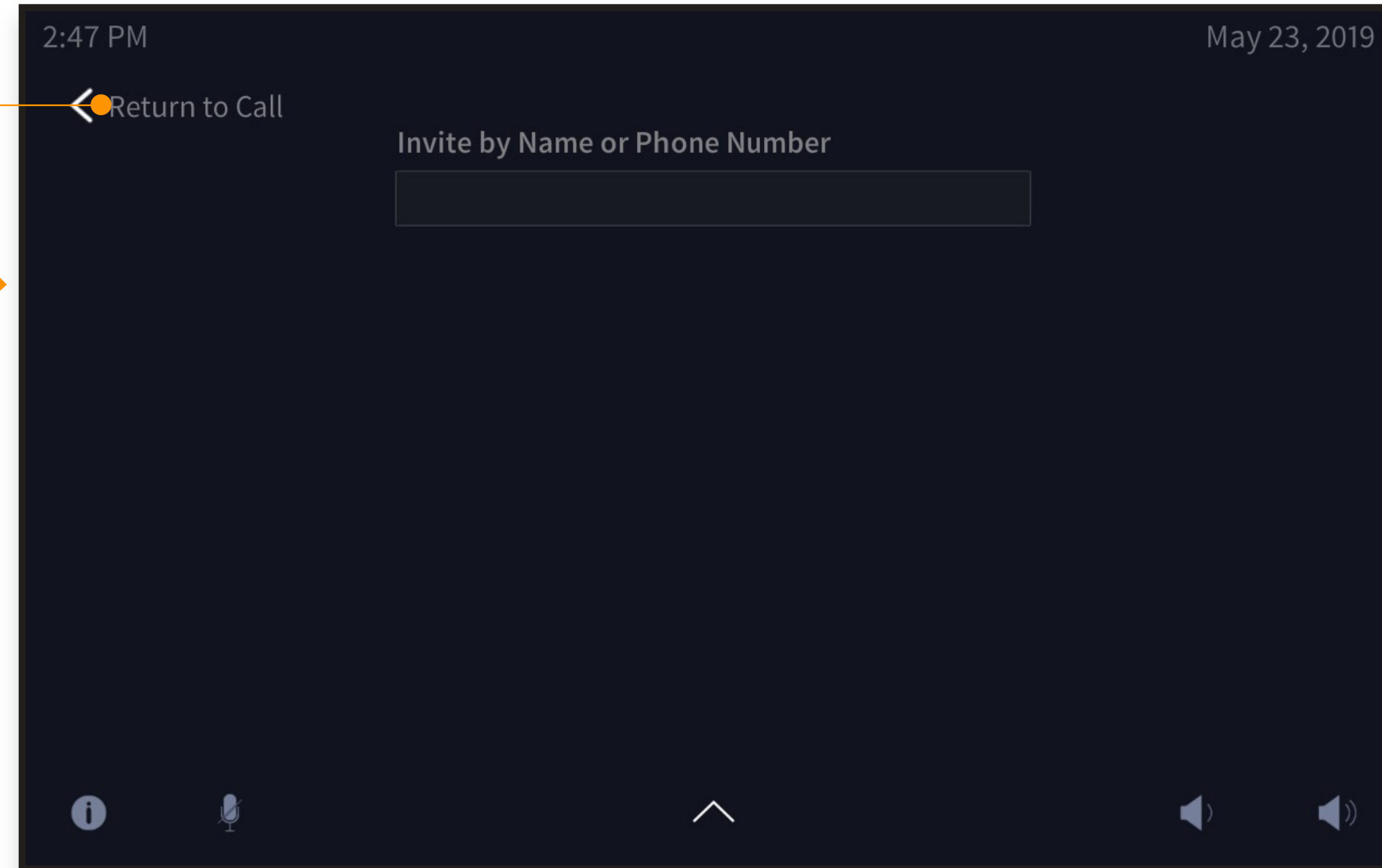
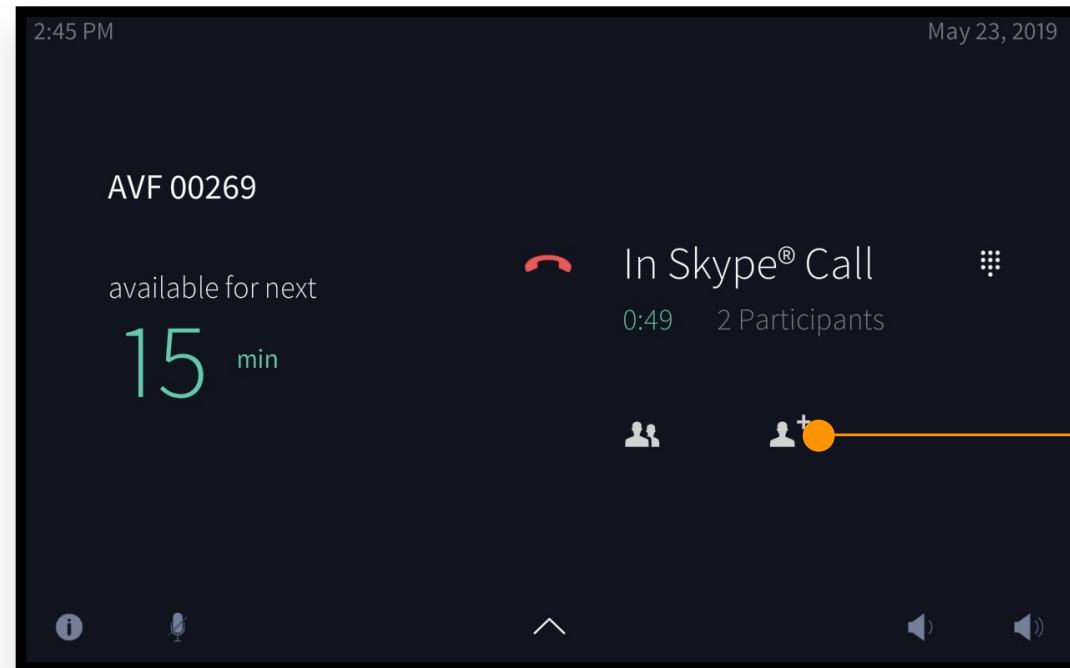


SKYPE CALL VIEW PARTICIPANTS

This screen consist of "On This Call" and "In Lobby" tabs. Affix (n) to the ends of tabs labels indicates either the total number of participants on this call or a total number of participants "waiting in the lobby".

Skype Call View Participants

6 Add Participants



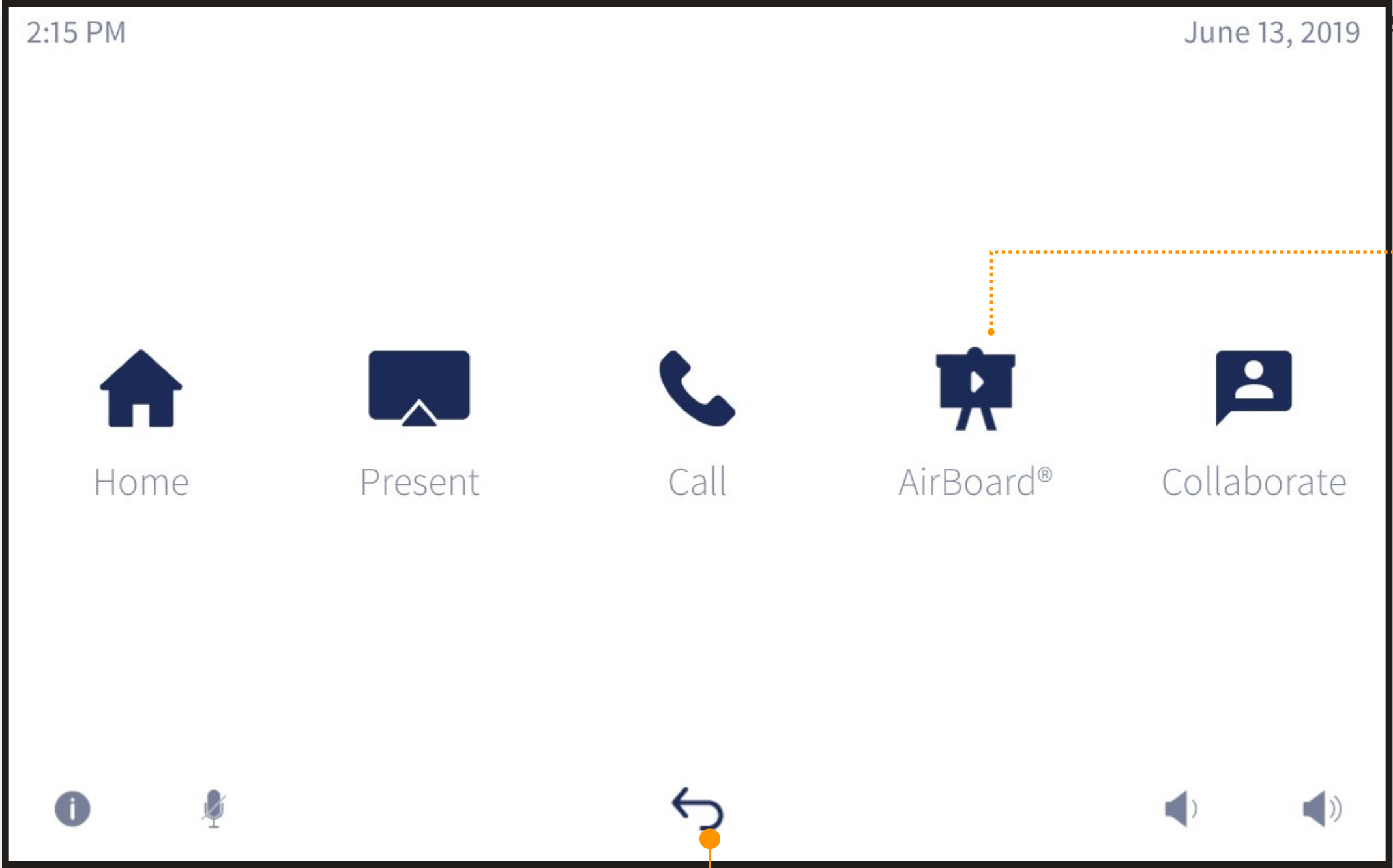
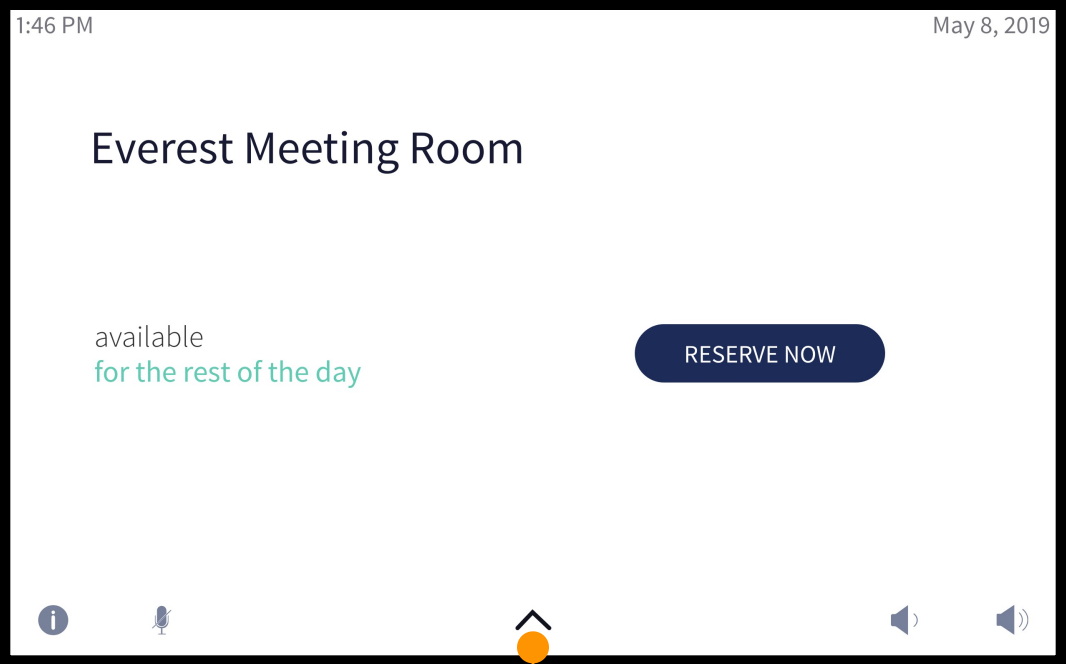
SKYPE CALL ADD PARTICIPANTS

When first navigated to this page user will be presented with blinking cursor and keyboard to perform directory look up or manually dial SIP URI. Participants can be added via search, via SIP/URI, or phone number string dial.

Menu Selection Flow

Recalling menu screen

1 Menu Selection Screen With AirBoard



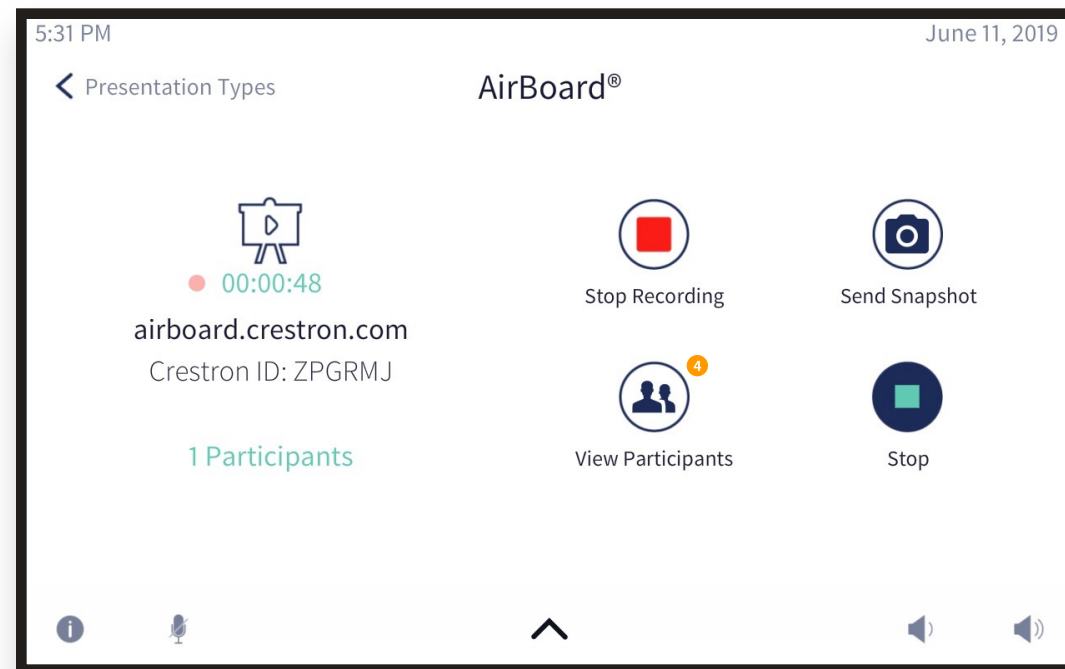
-  AIRBOARD DISABLED
AirBoard added in system but not paired. Disabled button has no additional interaction
-  AIRBOARD IDLE
AirBoard added and paired
-  AIRBOARD LOBBY
Lobby Active
-  AIRBOARD RECORDING
AirBoard session is being recorded
-  AIRBOARD RECORDING & LOBBY
AirBoard session is being recorded and there's activity in lobby
-  AIRBOARD RECORDING & SHARING
AirBoard session is being recorded and shared
-  AIRBOARD RECORDING, SHARING, LOBBY
AirBoard session is being recorded, shared and there's lobby activity

MENU SELECTION SCREEN

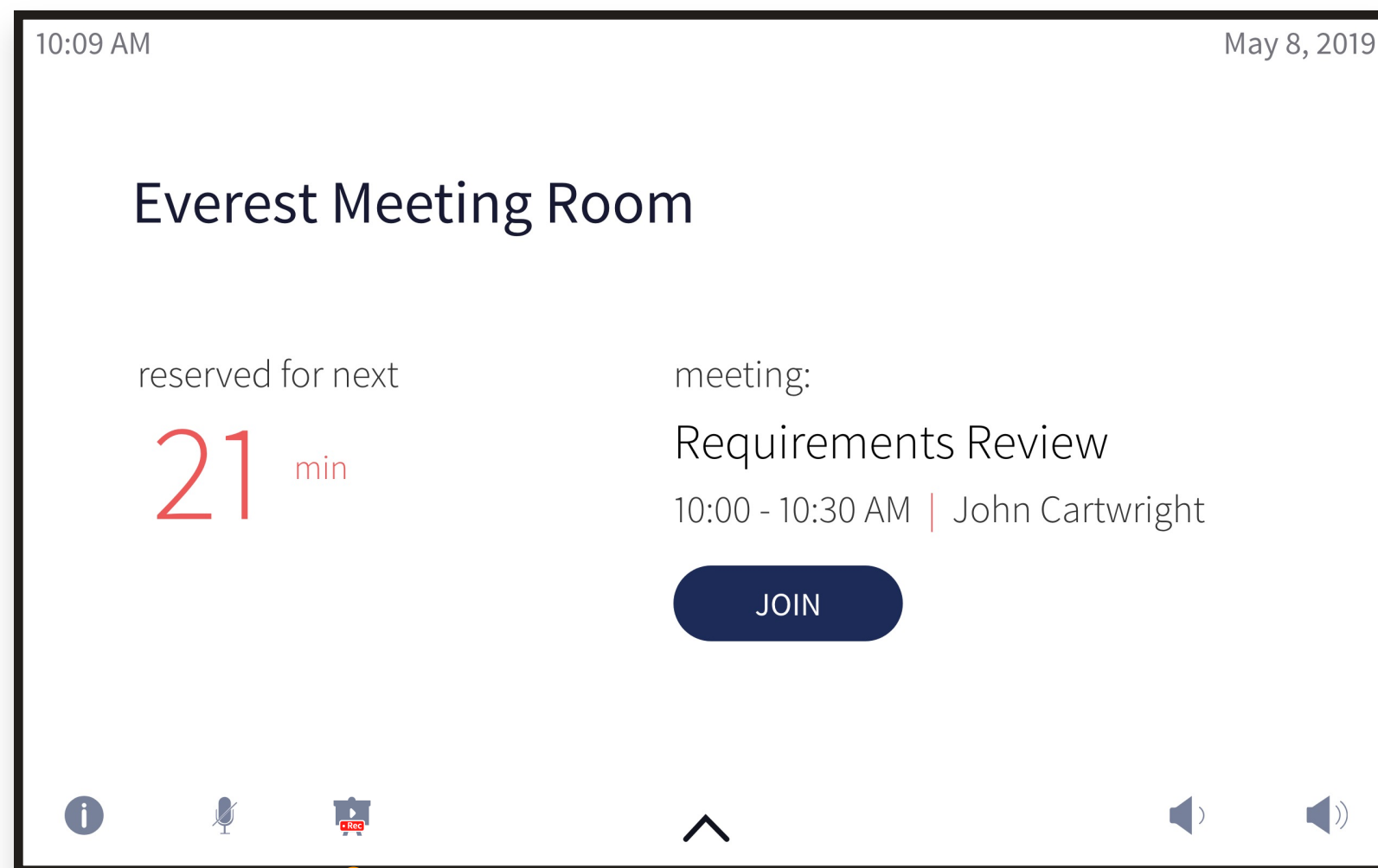
When AirBoard device is added in system its icon will appear in menu sources list. Dependent of the state AirBoard device is in, the icon will be one of the icons shown on right.

AirBoard Shortcut

1



2



AIRBOARD SHORTCUT

If user is not on AirBoard page and AirBoard is in one of the states below, the toolbar will display AirBoard shortcut to allow user to quickly navigate back to AirBoard.



AIRBOARD LOBBY
Lobby Active



AIRBOARD RECORDING
AirBoard session is being recorded



AIRBOARD RECORDING & LOBBY
AirBoard session is being recorded and there's activity in lobby



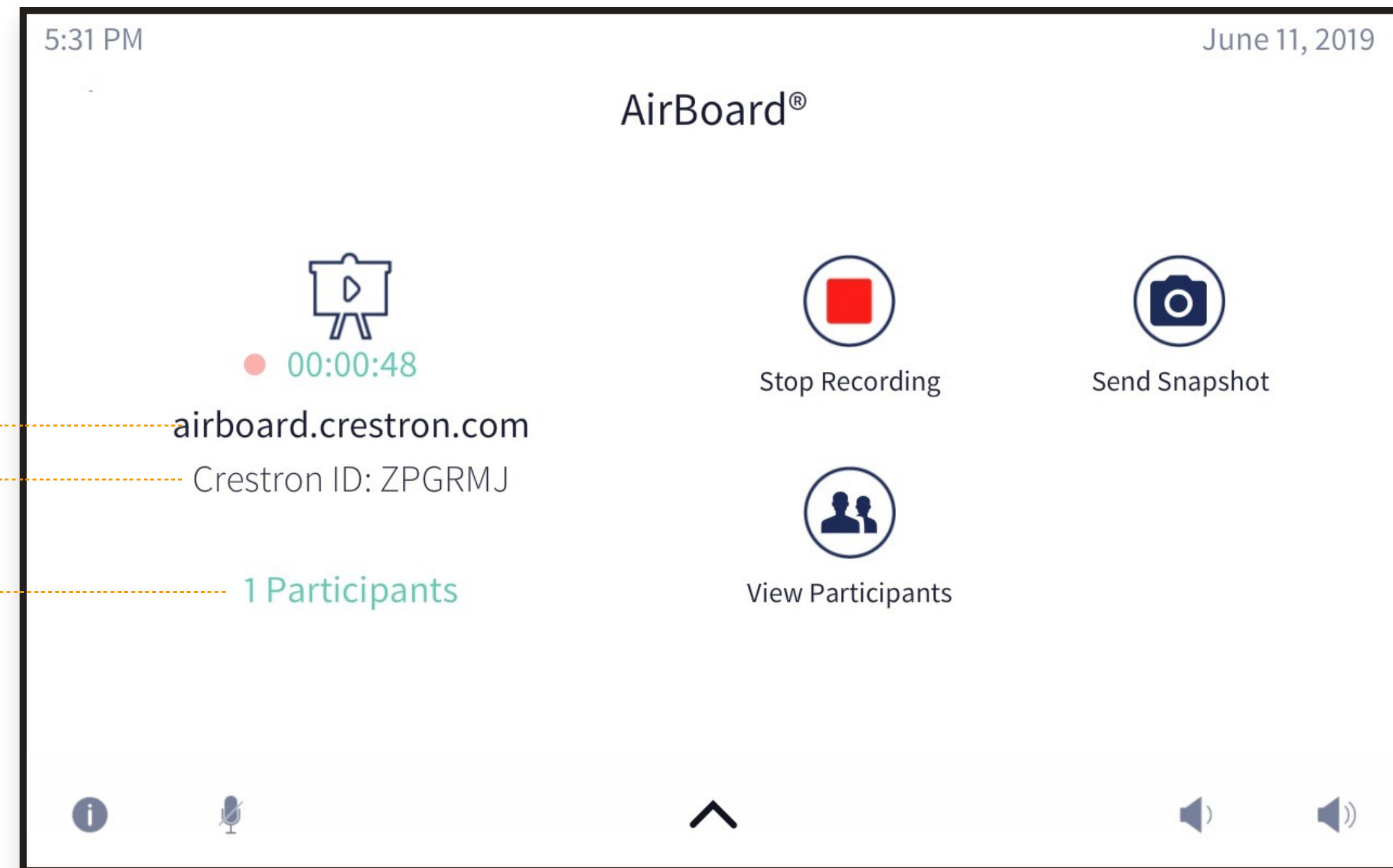
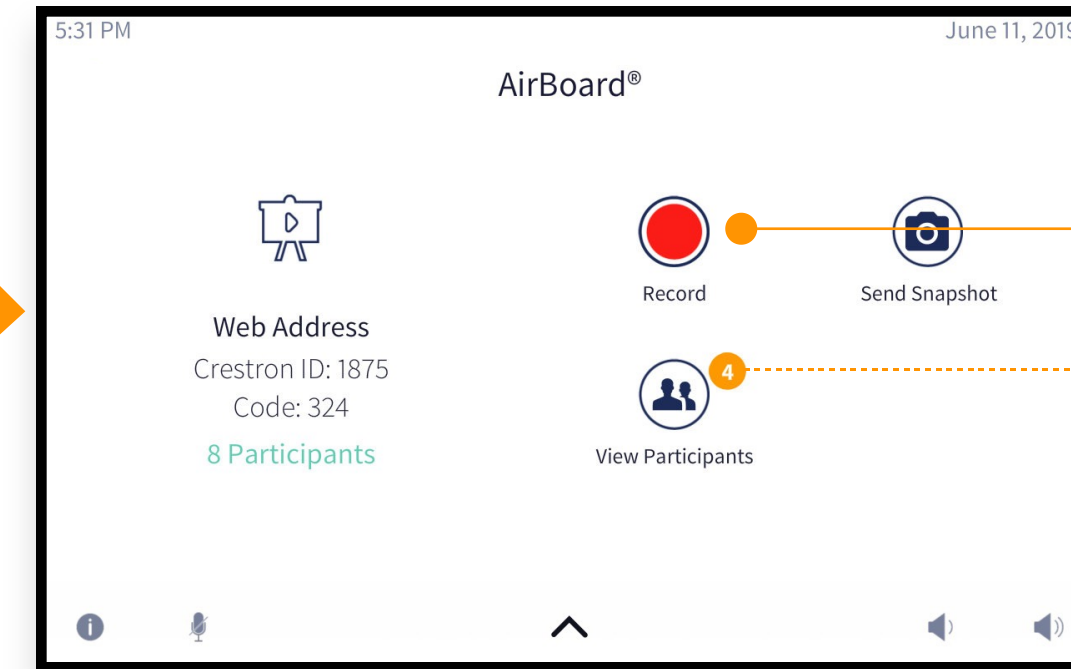
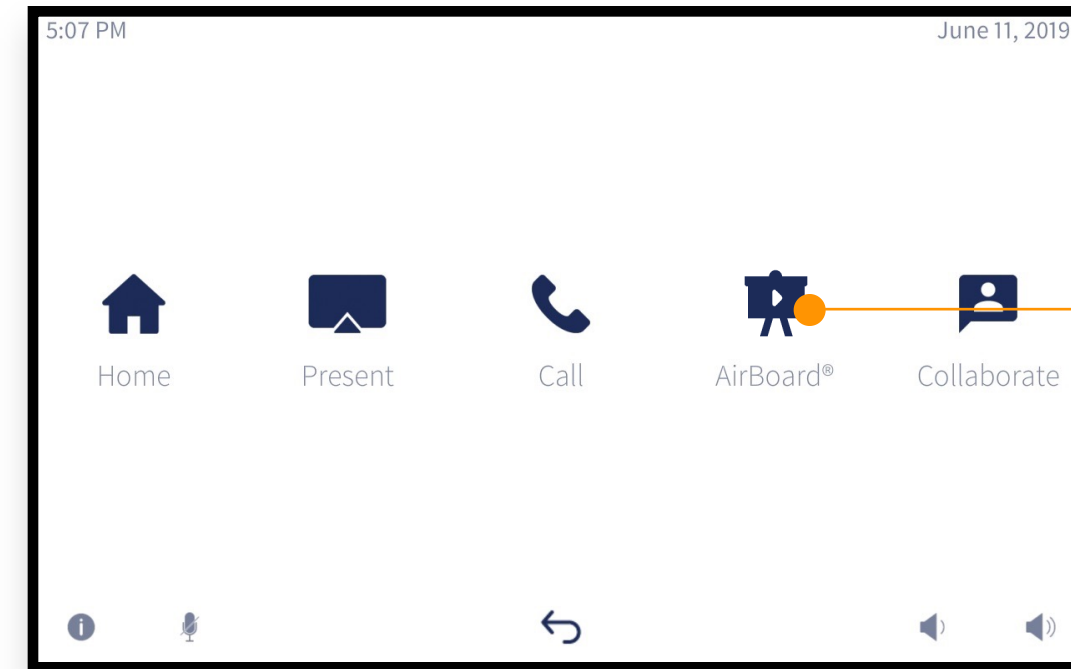
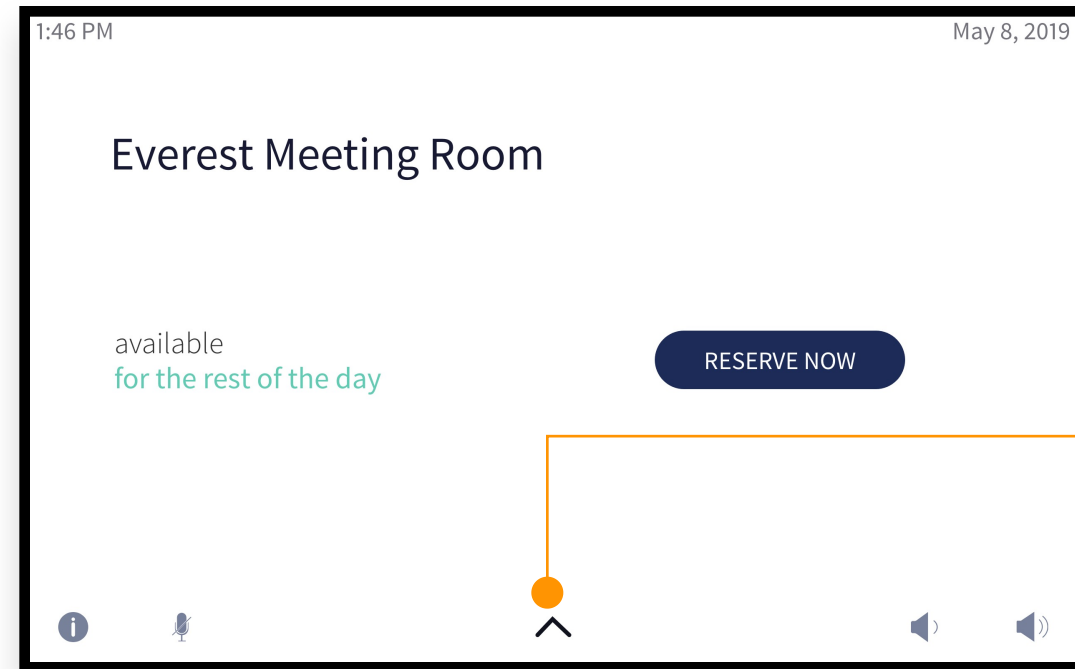
AIRBOARD RECORDING & SHARING
AirBoard session is being recorded and shared



AIRBOARD RECORDING, SHARING, LOBBY
AirBoard session is being recorded, shared and there's lobby activity

AirBoard Recording Flow

Recording AirBoard session



Session's Address

Session's Unique ID

Participants in session

airboard.crestron.com

Crestron ID: ZPGRMJ

1 Participants

Stop Recording

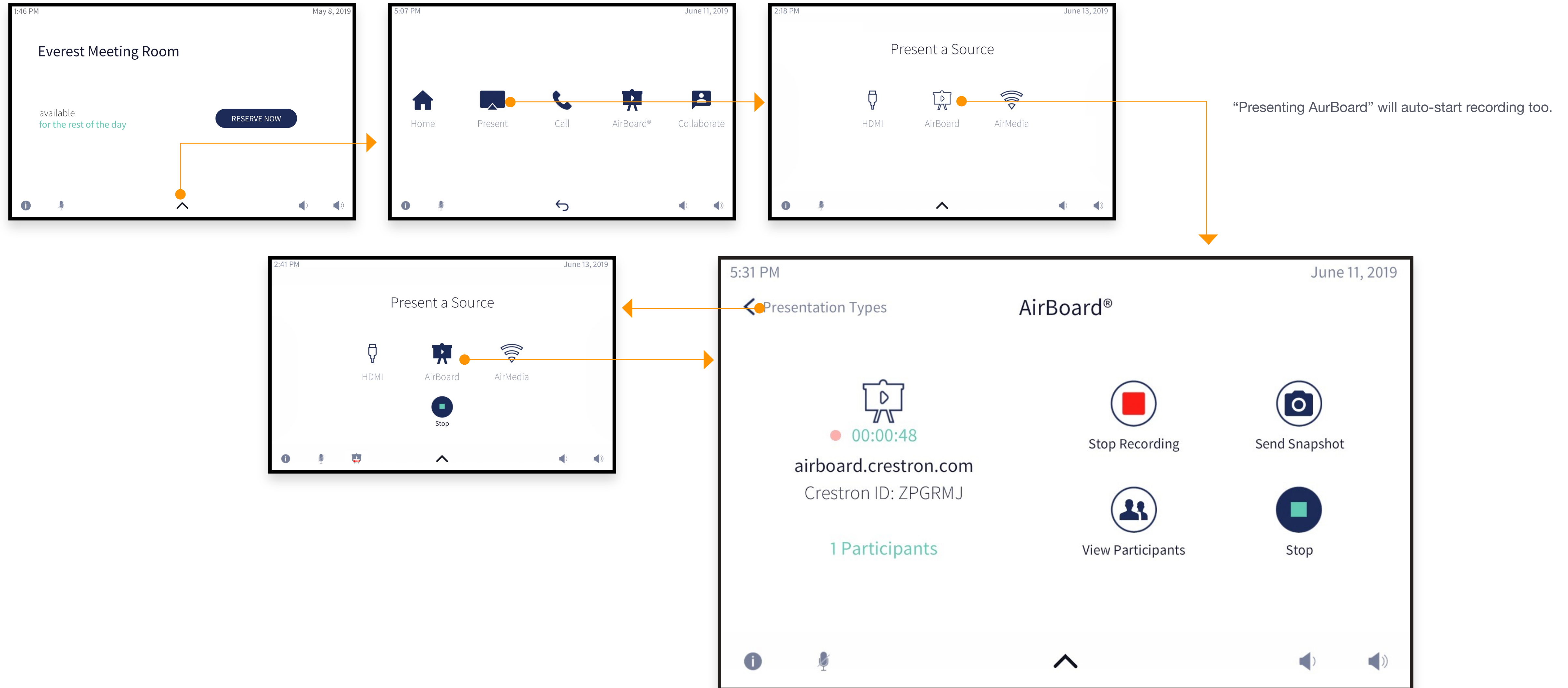
Send Snapshot

View Participants

Lobby count badge will be shown if there's someone waiting in the lobby.

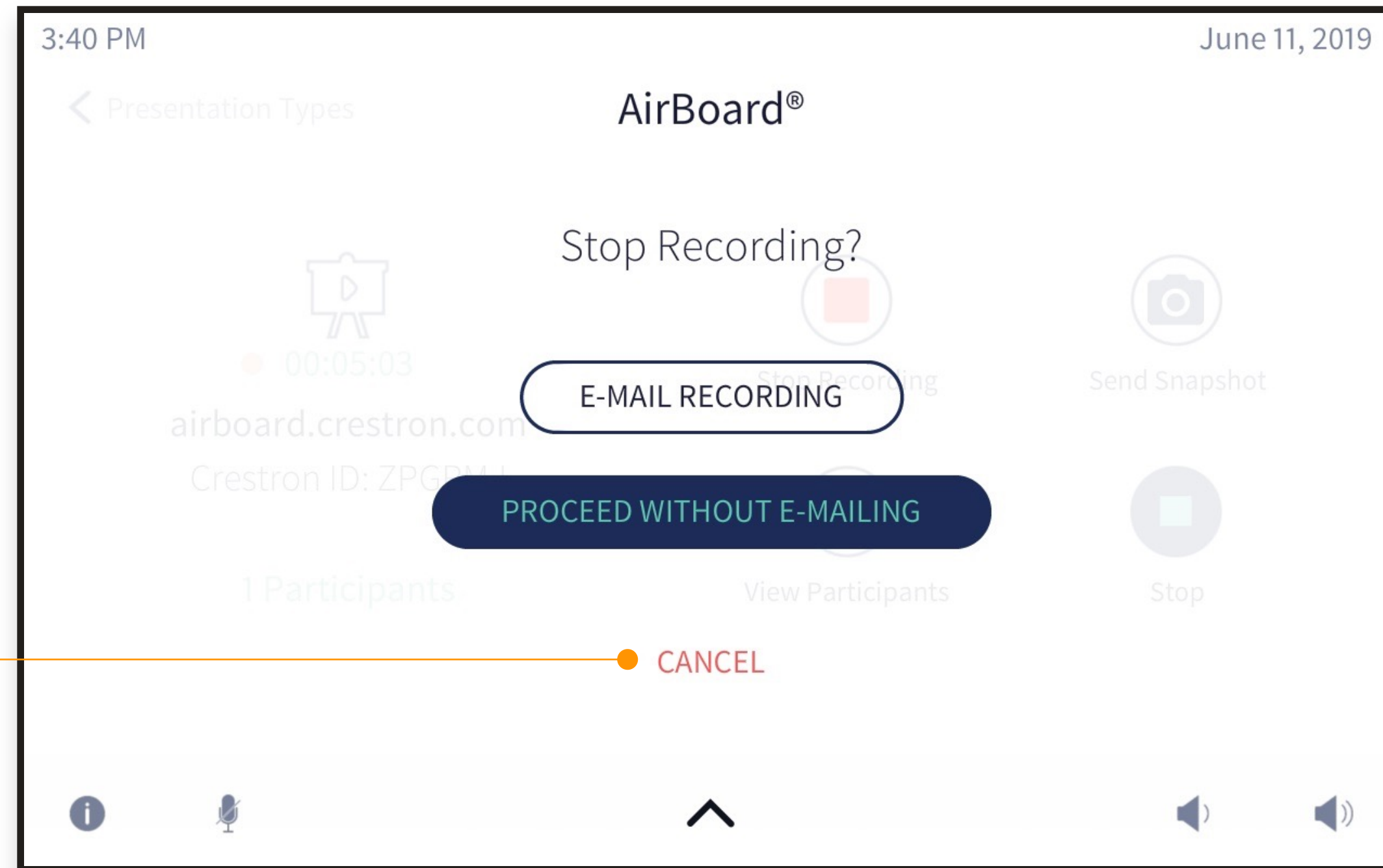
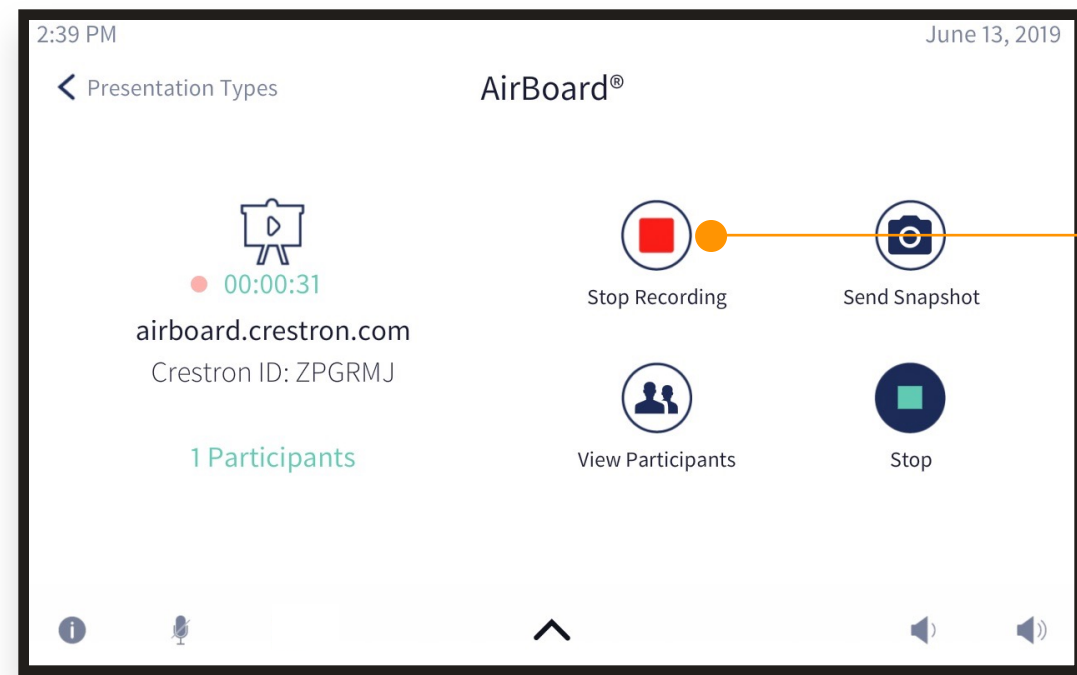
AirBoard Presenting Flow

When AirBoard device is added and paired the AirBoard icon will appear as a presentation source



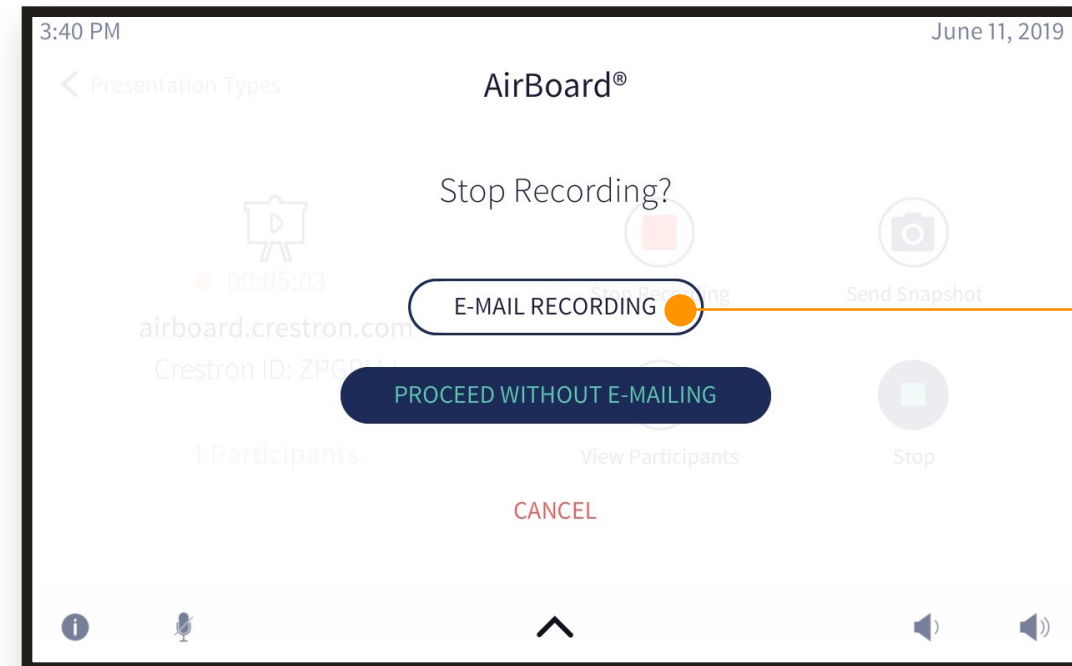
AirBoard Stop Recording

1 Stop Recording Prompt

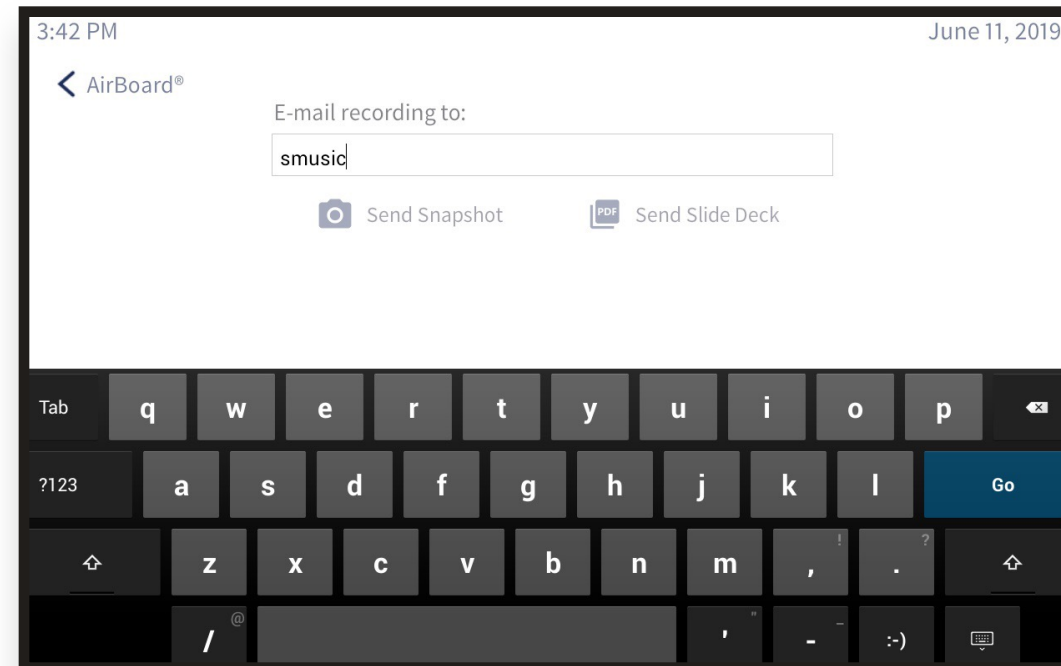


AirBoard E-Mail Recording

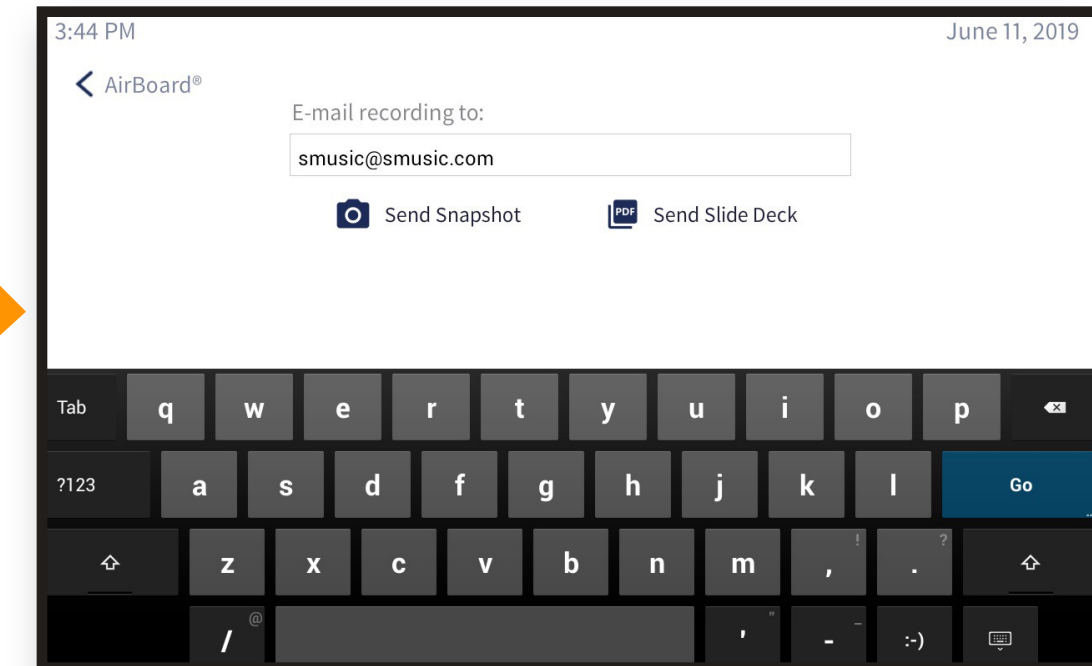
1 User taps "E-Mail Recording" button



2 User is presented with keyboard to input recipient's email.

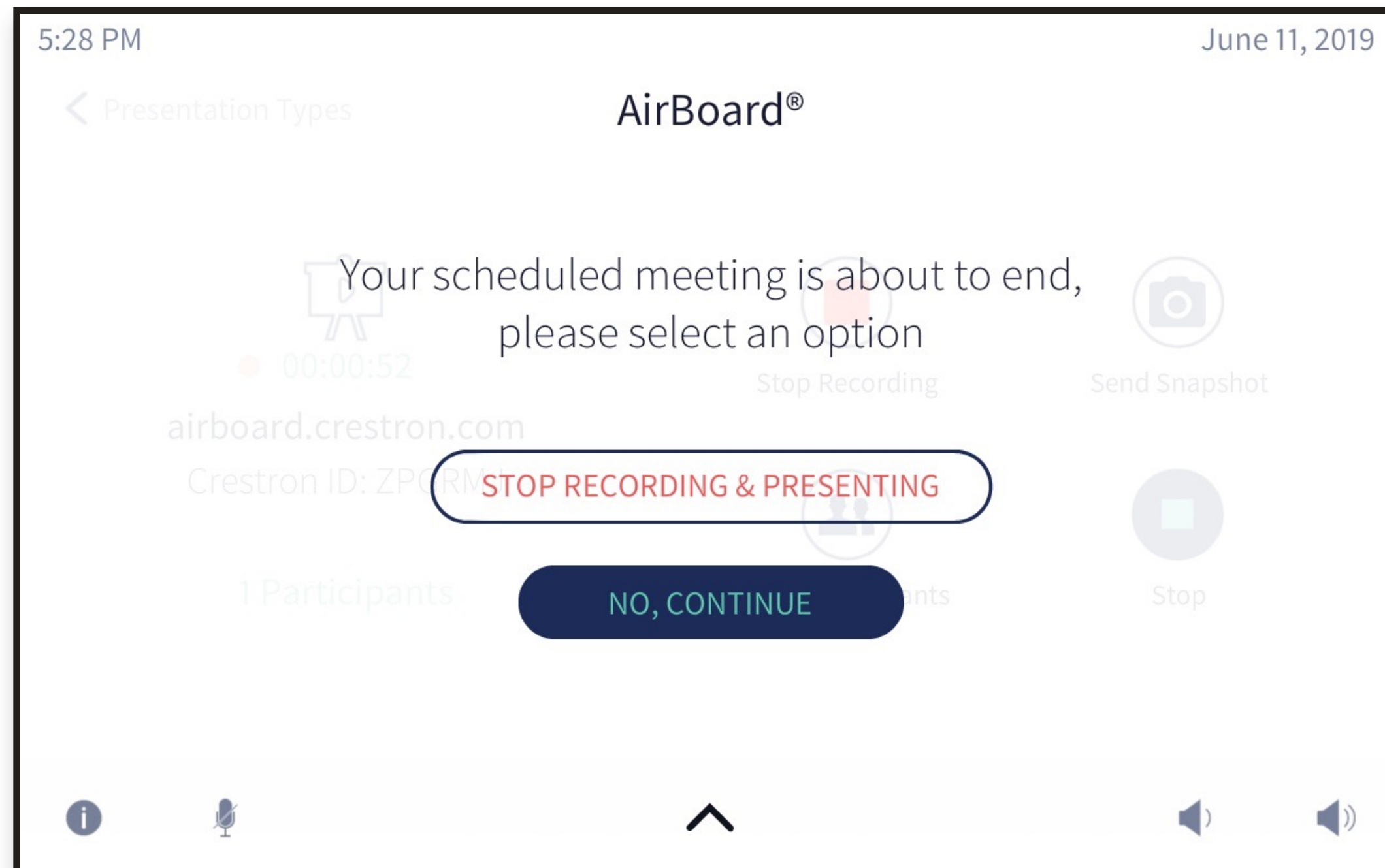


3 When valid e-mail is provided, "Send Snapshot" and "Send Slide Deck" buttons will be enabled.



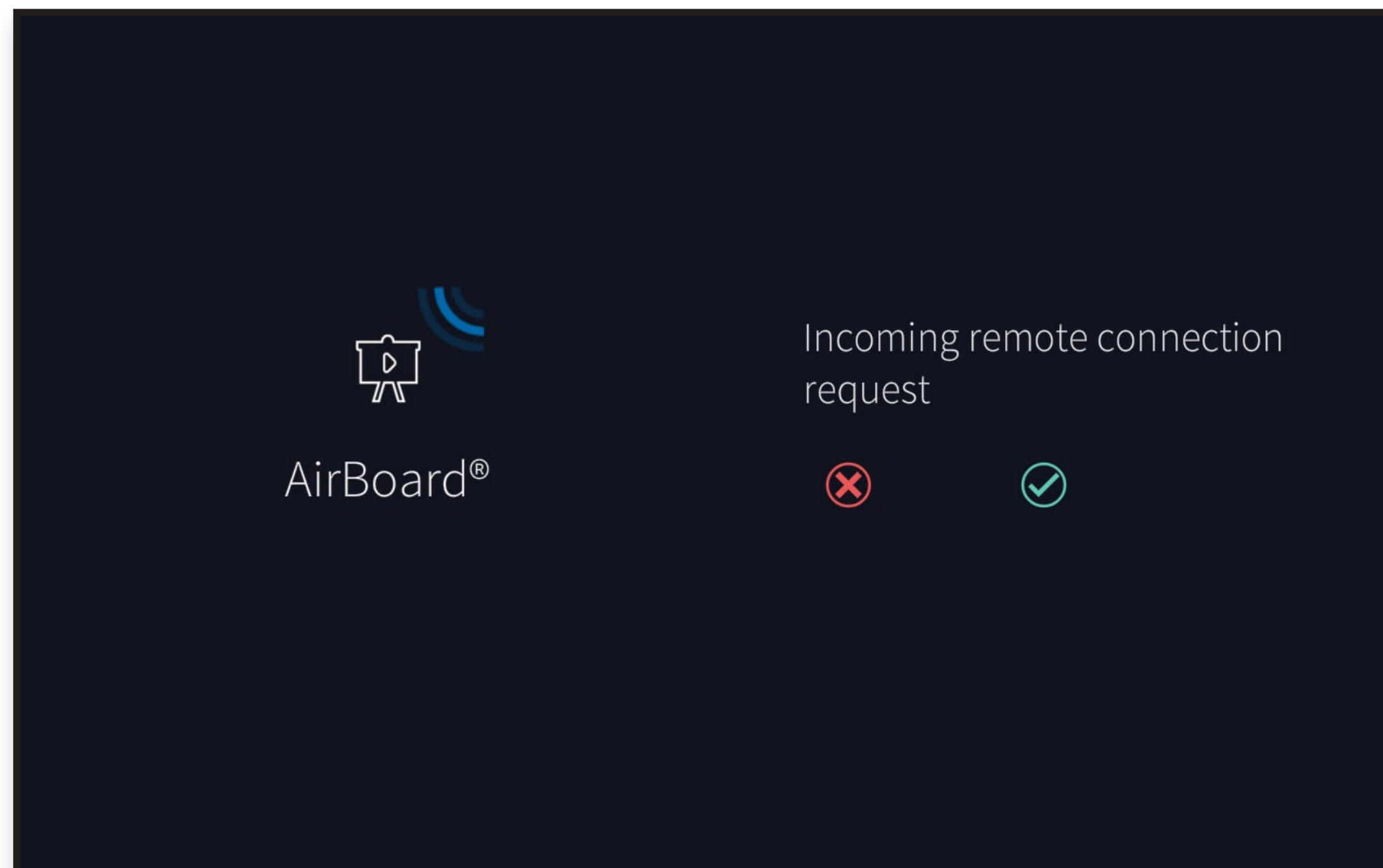
AirBoard Meeting Ending Prompt

1



AirBoard Incoming Remote Connection Prompt

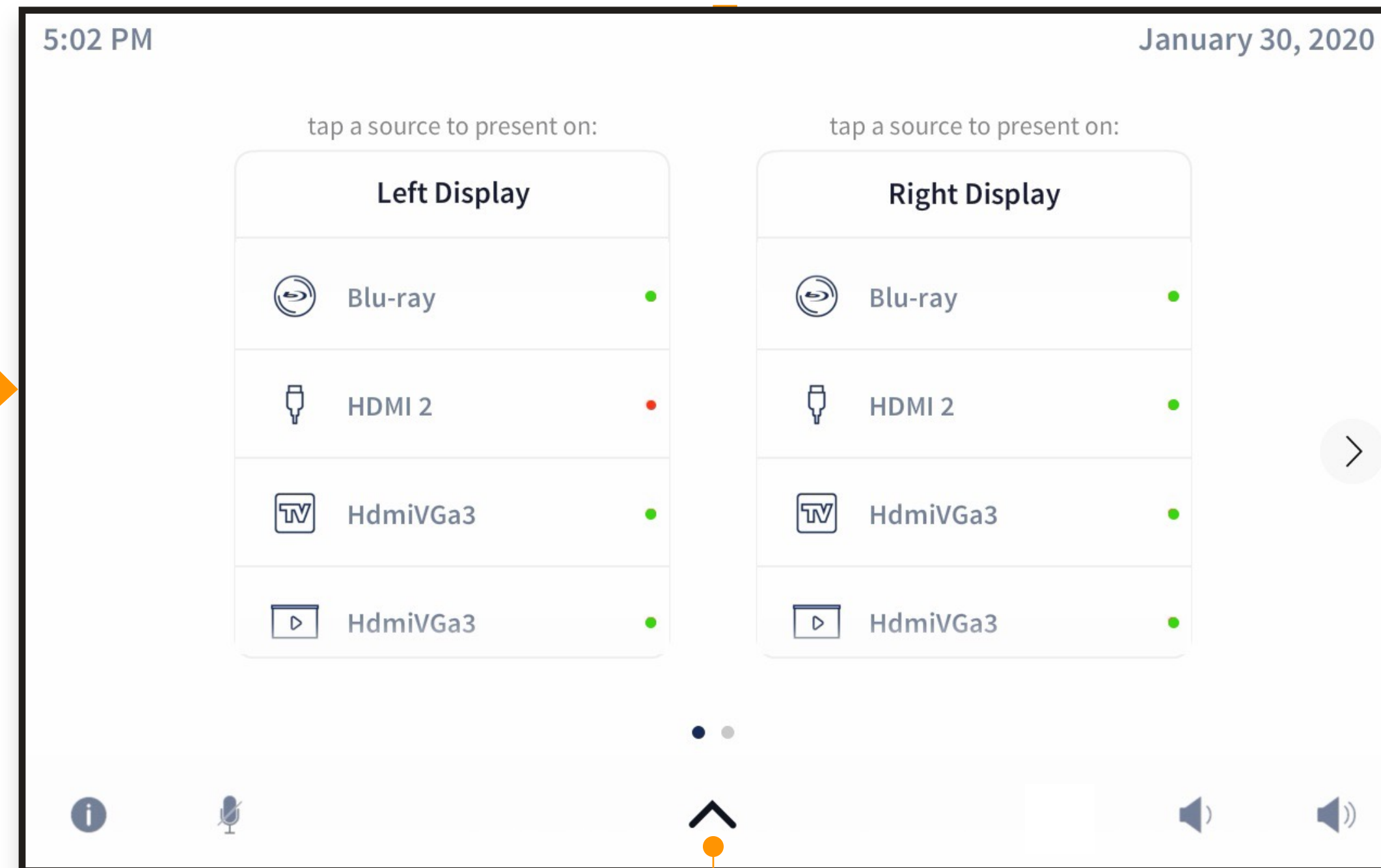
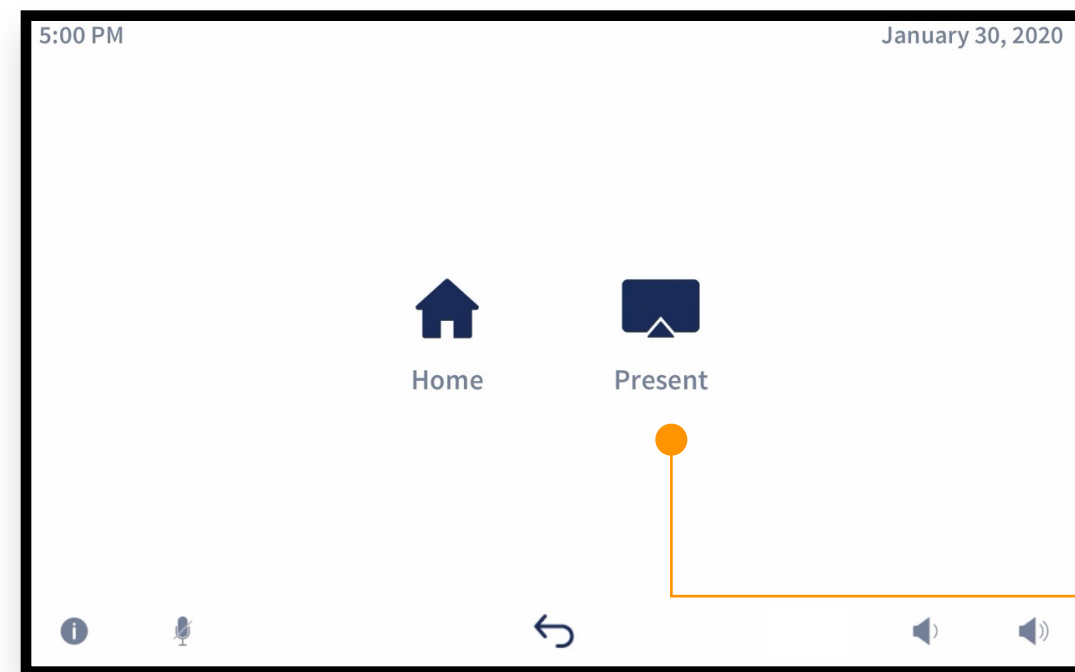
1



Multi Display — Presentation Flow

Recalling present selections screen

1 Present Selection Screen



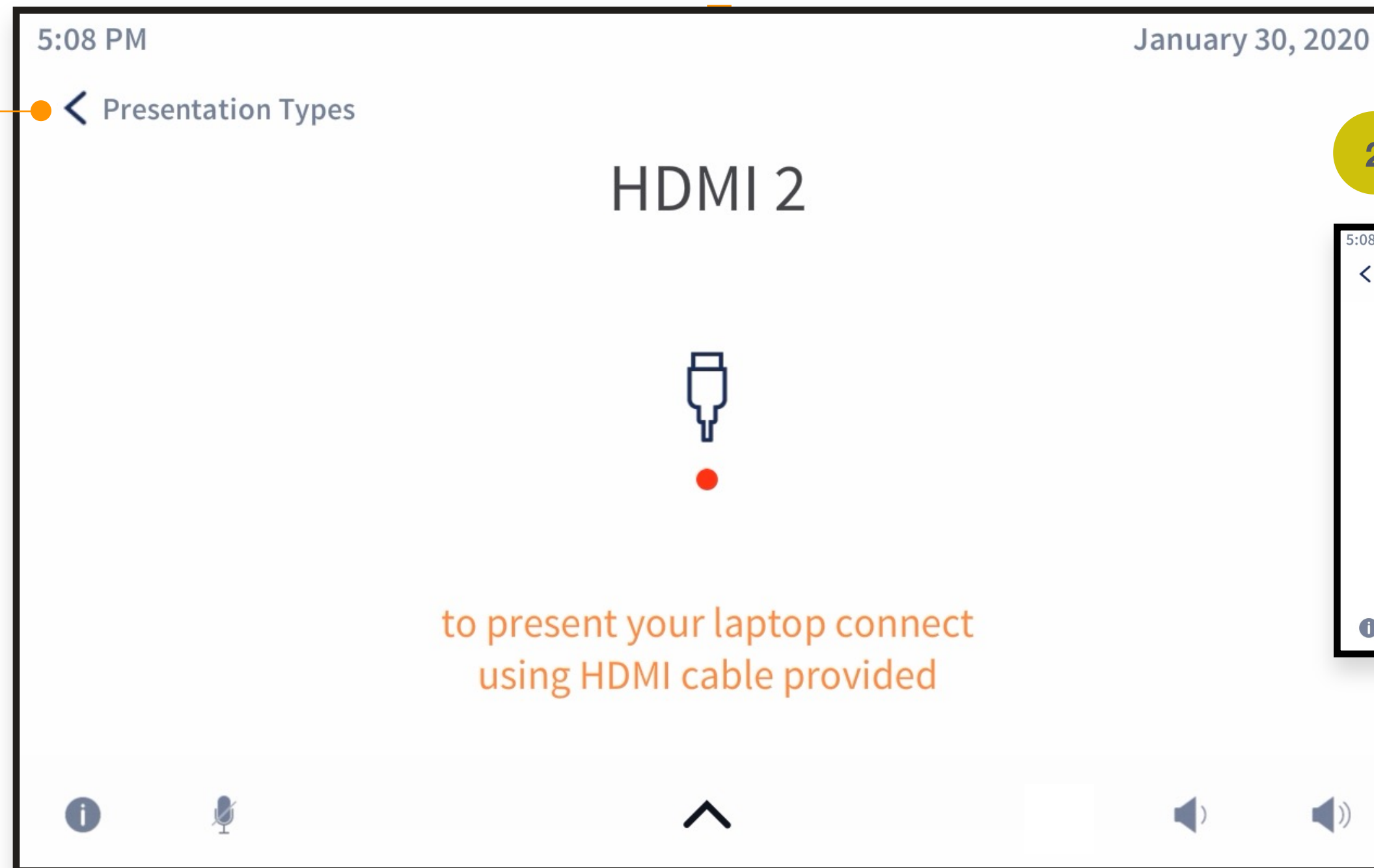
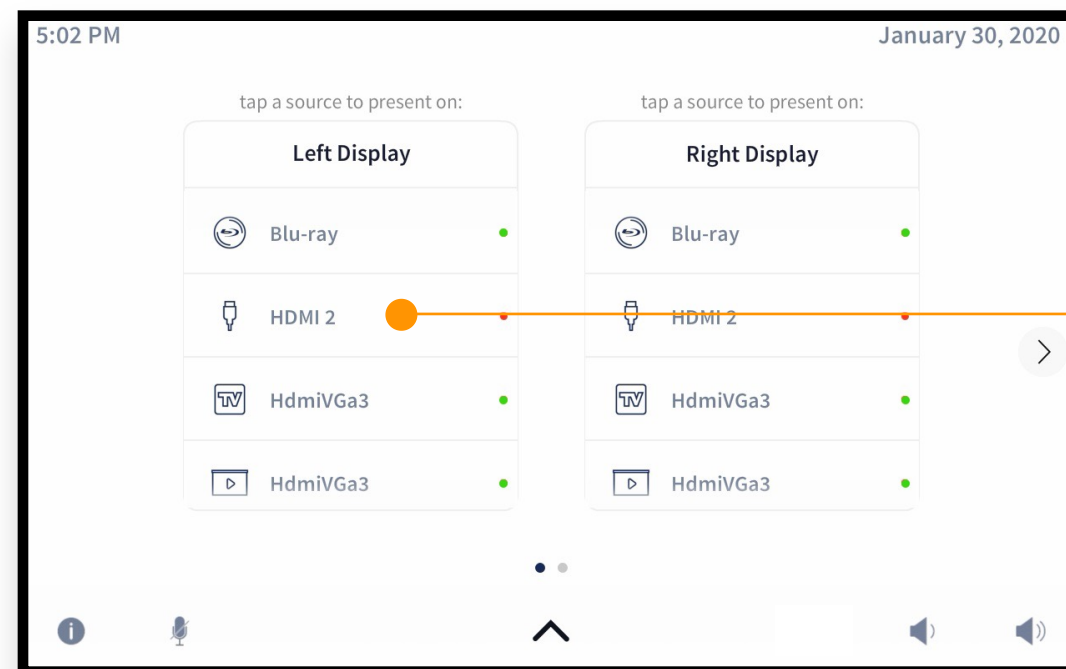
MULTI DISPLAY PAGE VIEW

Each display is distinctively shown on a panel with visible display labels. Content sources are grouped in the vertical list view and mirrored on each display. Each source button will have a red/green icon on the right side to indicate if a video signal is present. Each display is configured as an independent route.

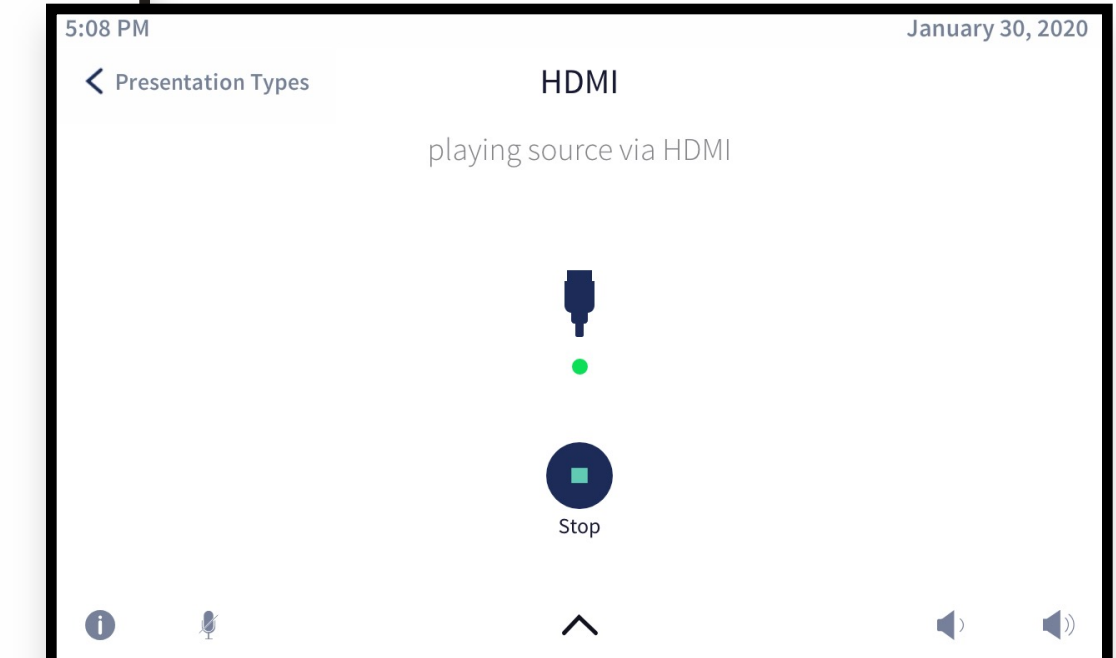
Multi Display — Present User Content Using Hdmi

Starting HDMI presentation from touchscreen

1 Connect To Hdmi



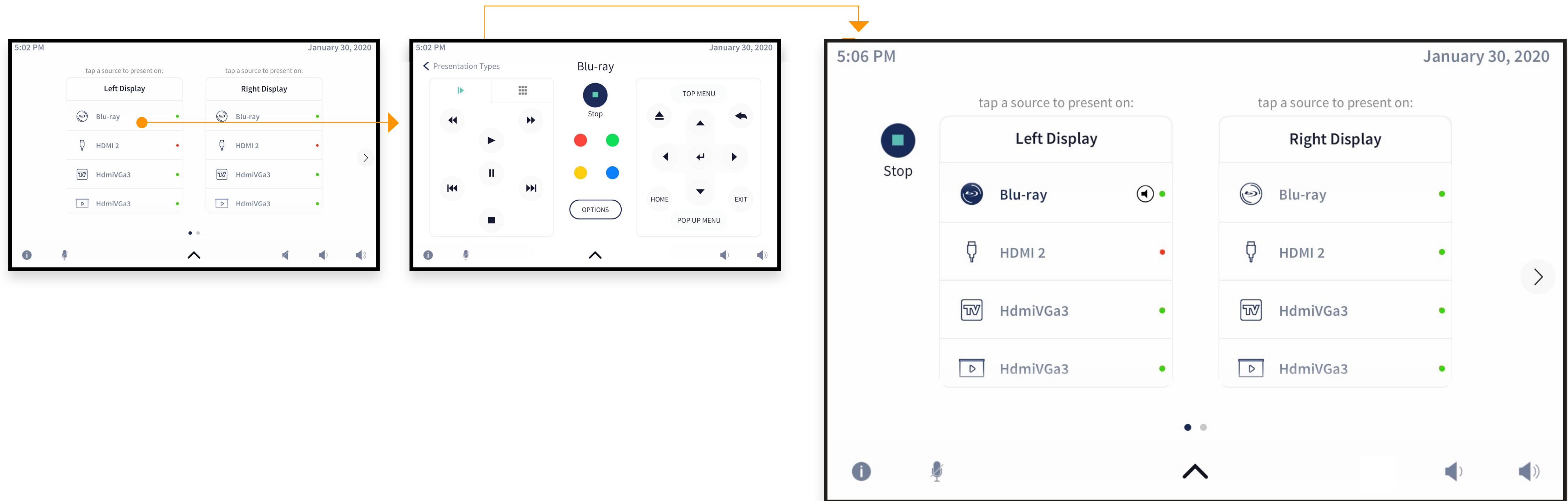
2 Hdmi Presenting Screen



HDMI CONNECTED
When user connects his cable touch screen UI will show this page.

CONNECT TO HDMI PROMPT
When user selects HDMI presentation type but has not connected his device to HDMI cable provided, UI will display "connect to HDMI" screen.

Multi Display — Present Connected Device Flow

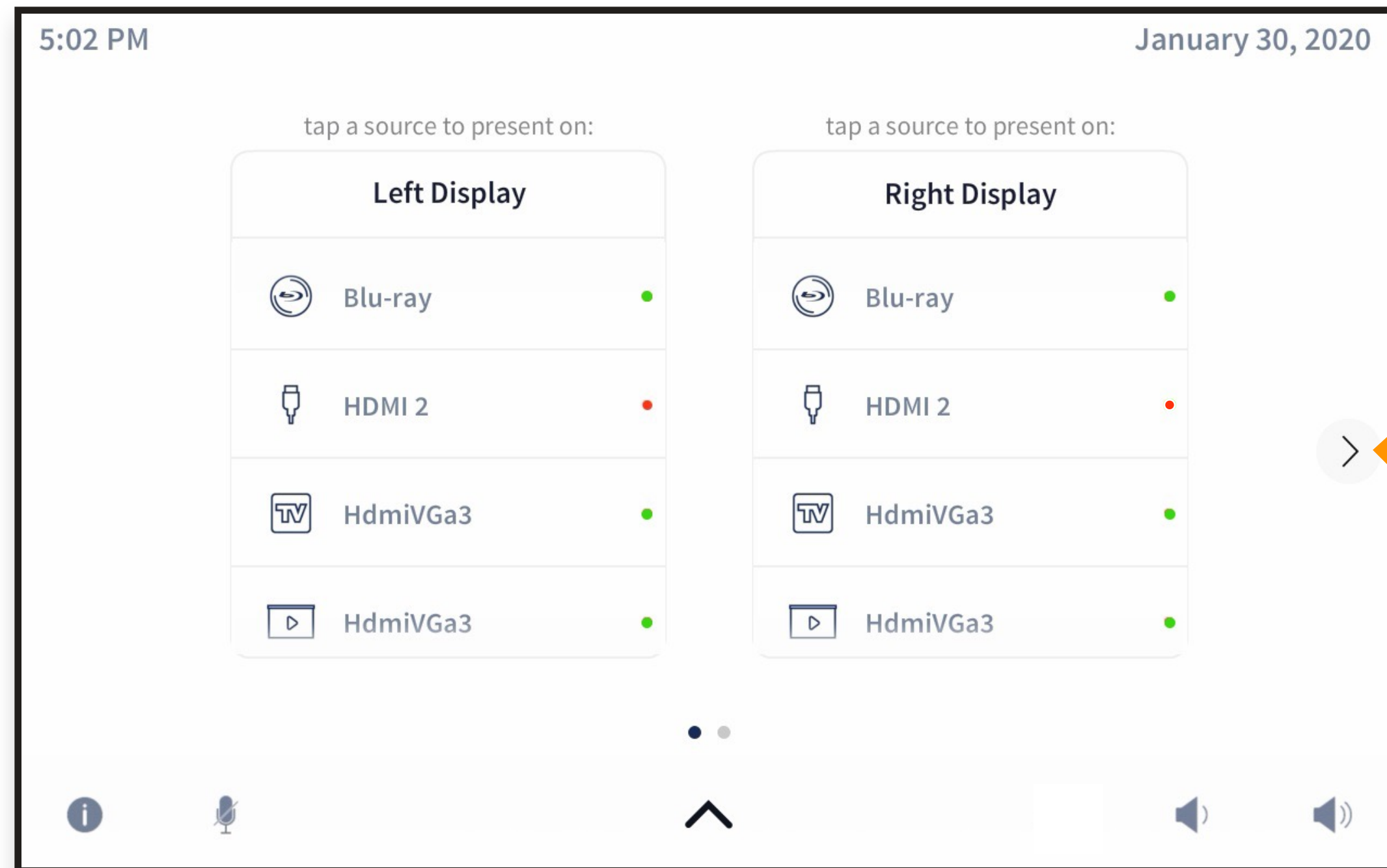


DISPLAY "IN PRESENTATION"

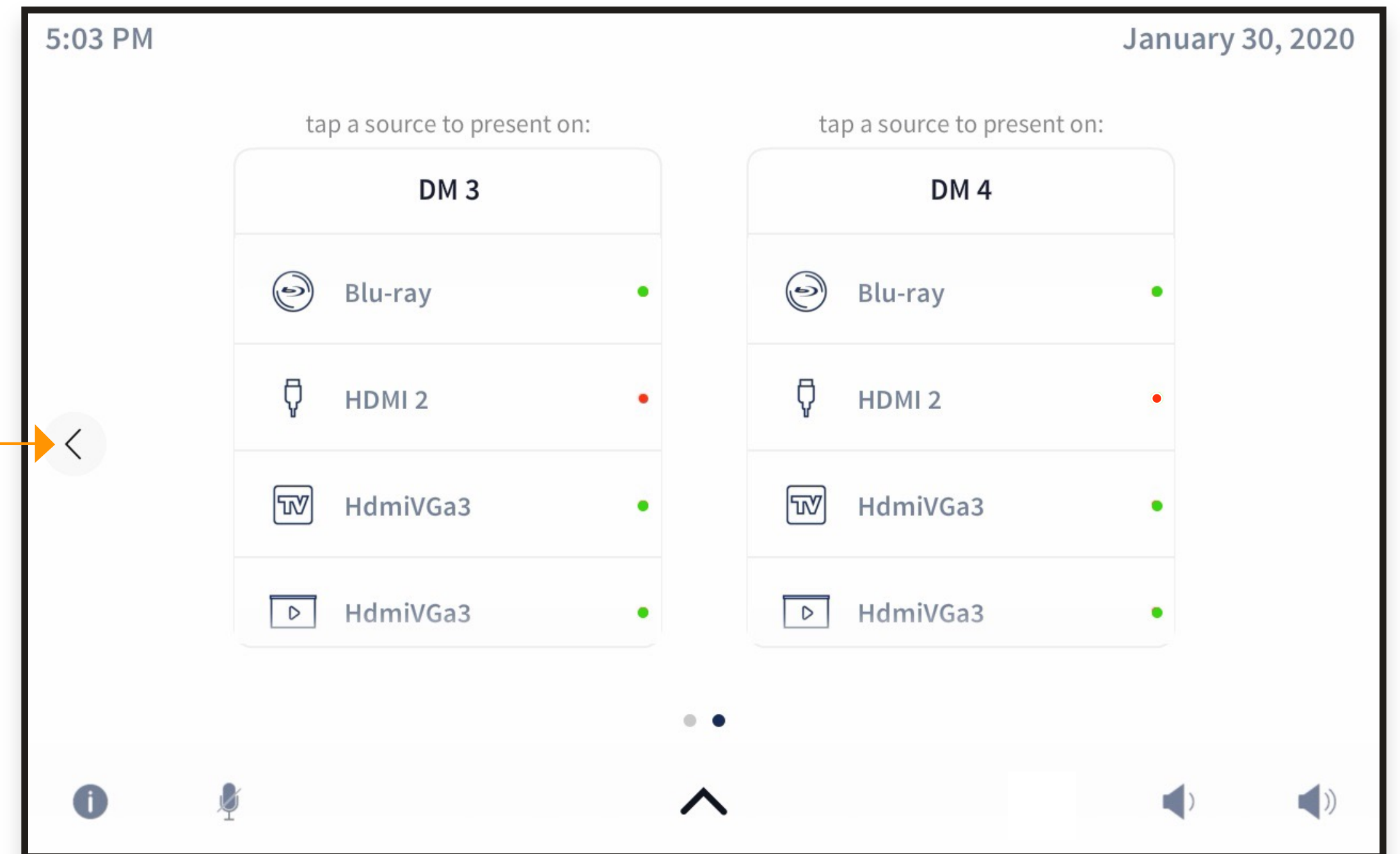
The "Stop" button will be presented only if source is routed to display. Tapping this button will stop presentation.
The speaker icon indicates audio source.

Multi Display — More Than 2 Display

1 Page 1



1 Page 2



MULTI DISPLAY PAGE VIEW

In the system with more than 2 displays (up to 4 max), displays are shown in a multi page view. Each page shows controls for up to 2 displays.