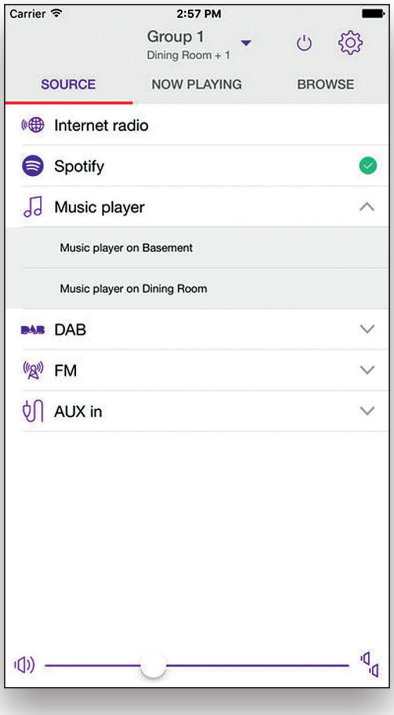
USER MANUAL

UNDOK

iOS remote control application for NTU-200



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1 Introduction

Frontier Silicon's UNDOK App is an application, for iOS Smart Devices, that allows users to control Venice 6.5 - based audio units running, IR2.8 or later, software. Using UNDOK you can navigate between the speaker's listening modes, browse and play content remotely as well as manage Wi-Fi Multiroom groups of speakers.

The App also provides a convenient way to display RadioVIS content, on your connected Smart Device, for DAB/DAB+/FM digital radio units without a suitable display.

Connection is via a network (Ethernet and Wi-Fi) to the audio device being controlled.

Note: Control of Multiroom groups is not available via Ethernet.

The UNDOK App runs on any iOS Smartphone or tablet running iOS 7 or later. An Android version is also available.

Note: For brevity, "Smart Device" is used in this guide to mean any iPhone or iPad running a suitable version of the iOS operating system.

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2 Getting Started

UNDOK can control an audio device via a WiFi Network connection. Before UNDOK can be used to control an audio device you must first establish a connection between the Smart Device running UNDOK and the audio unit(s) you wish to control by ensuring they are both connected to the same Wi-Fi network.

2.1 Network Connection Setup

Ensure your smart device is connected to the required Wi-Fi network (see the documentation for your device for details). The audio devices to be controlled should also be set up to use the same Wi-Fi network. To connect your audio devices to the appropriate network either consult the documentation for your audio device or alternatively audio devices based on Frontier Silicon's Venice 6.5 module can be connected to your chosen network remotely via the UNDOK app. The 'Set up audio system' option on the UNDOK Navigation Menu walks you through the various setup stages via a series of screens.

You can abort the wizard at any stage by pressing the back button or exiting the App.

2.2 Navigating around the App

My Home is the first screen presented to allow the user to select the speaker(s) they wish to control. Once a speaker or group of speakers is selected the organisation of the App centres around the Now Playing screen .

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3 How to…

How to	Page number
Autoplay Internet Radio	Page 13
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To add or remove devices to/from a group	Page 7
To Browse content	Page 8
To choose a preset	Page 10
To close the Edit Group screen	Page 7
To control speaker volumes	Page 8
To create a group	Page 7
To dissolve or delete a group	Page 7
To edit the My EQ profile	Page 14
To Edit/Manage a group	Page 6
To go to the Now Playing screen	Page 6
To manage settings	Page 8
To play/pause	Page 8
To refresh the screen	Page 7 & 6
To return to the My Home screen	Page 8
To save or select a preset	Page 8
To select a group	Page 6
To select a listening mode	Page 8
To select an EQ profile	Page 14 & 13
To setup a new speaker	Page 6
To shuffle the current playlist	Page 8
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4 My Home

This is where you manage the speaker devices used to output the audio. Speaker devices can be treated as independent speakers or organised into synchronised groups allowing multiple speaker groups and multiple individual speakers to coexist. A different audio stream can be directed to each independent speaker or speaker group. Within each group of speakers one device must be the master and all others in the group are clients. Multi-Room streaming synchronized speaker group of up to 5 devices.

4.1 My Home

The App presents the current groups and audio devices available on the current Wi-Fi network. Groups are shown with the names of the constituent device below the group title.

To refresh the screen	Tap the arrow circle in the header.
To Edit/Manage a group	Tap Edit in the top right-hand corner. For further details see section 4.2 below.
To select a group	Tap on a group title or individual device to select the group/device and jump to the Now Playing screen.
To go to the Now Playing screen	Note: to return to the My Home screen tap the X in the top right-hand corner of the Now Playing screen.
To setup a new speaker	Tap the Speaker Setup bar at the bottom of the screen to launch the setup wizard.

4.2 Edit Groups

The Edit Groups screen shows the current groups and devices available.

Speaker groups are shown in a medium shade of grey with their constituent devices listed below in paler grey. Speakers that are capable of multi-room grouping but are currently not part of a group are shown under the heading “Multiroom Audio Systems”; Speakers that cannot be added to a group are shown under “Standalone Audio Systems”.

The master device in a group is indicated by a crown icon .

Devices that are currently in Standby mode are indicated with an On/Off icon.

Any device that is currently selected for streaming is indicated with a streaming icon . The device or group to which it belongs is also highlighted in a pale blue/green

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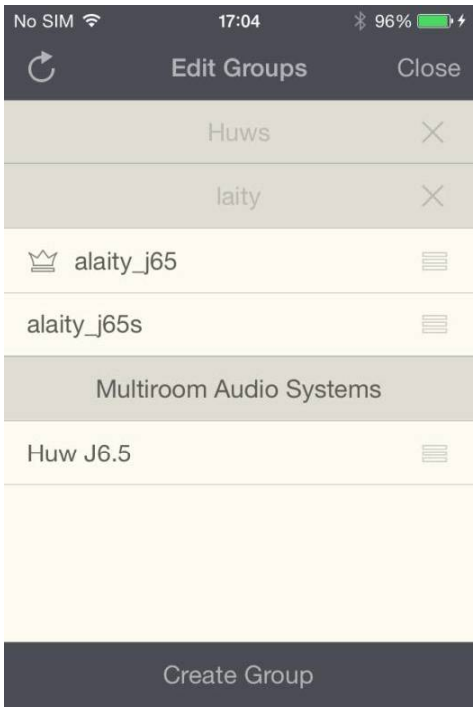
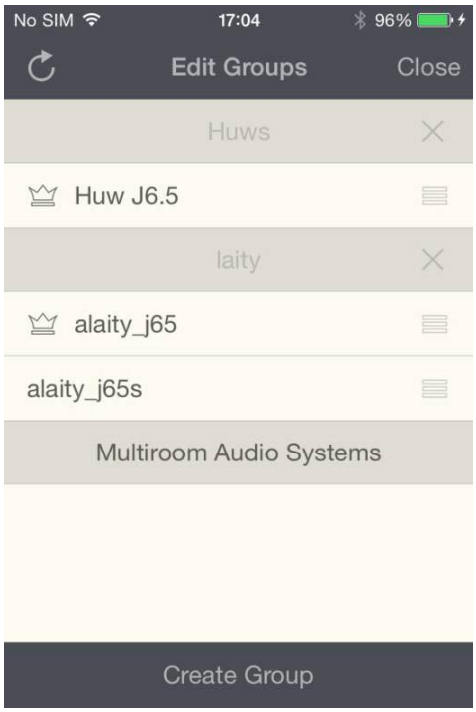
To create a group	Create a group by tapping on the '+' in the My Home header; the app will suggest a default name for the group which you can overwrite as required. Note: the group name can be up to 32 characters and contain letters, numbers, spaces and most characters available on a standard qwerty keyboard.
To add or remove devices to/from a group	Manage the audio devices by dragging with the icon and dropping them into or out of groups. The first device placed in a group becomes the Master with subsequent devices being Clients After each change in the group structure, the My Home list info is refreshed.
To refresh the screen	Tap the icon in the top left corner.
To close the Edit Group screen	Tap Close in the top right-hand side of the screen to return to the My Home screen.
To dissolve or delete a group	Tap the "x" icon next to the group title: If there are devices within the group the group is ungrouped (constituent devices are then listed under Multiroom Audio Systems). If the group is empty the group is deleted.





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5 Now Playing

The icons displayed will depend on the mode currently in operation and the functionality available within that mode. For example, the multiple speaker icon will only be displayed when controlling a Multiroom group.

To control speaker volumes	Controlling a single audio device: the slider at the bottom of the screen adjusts the volume Tap the speaker icon on the left of the volume slide to mute the speaker (when muted the icon has a diagonal line through it). Controlling a multiroom group of devices: the slider controls the master volume for the group. To control individual speaker volumes within the group tap the Multiple speaker Icon to access the Volume control screen, see section 5.1 below.
To change the master volume	Drag the volume slider up or down.
To shuffle the current playlist	Tap the shuffle icon to the left of the track/service image to toggle shuffle mode on and off. The icon is greyed when off. In Spotify mode the icon indicates the on/off state set in the Spotify app, but is not selectable in UNDOK.
To repeat the current song	Tap the repeat icon to the right of the track/service image to toggle repeat mode on and off. The icon is greyed when off. In Spotify mode the icon indicates the on/off state set in the Spotify app, but is not selectable in UNDOK.
To save or select a preset	Tap the Presets icon to the left of the track/service title. See section 5.2 below.
To play/pause	Tap the play/pause icon.
To Browse content	Tap the Browse icon, see section 5.3 for details.
To select a listening mode	Tap the icon in the top bar of the screen, see section 5.4 for details.
To manage settings	Tap the icon in the top bar of the screen. See section 5.5 for details.
To return to the My Home screen	Tap the X in the top right-hand corner of the Now Playing screen.
To skip/fast forward/back tracks	Tap on the relevant control icon. Note: the options presented will depend on the functionality available in the current audio mode.

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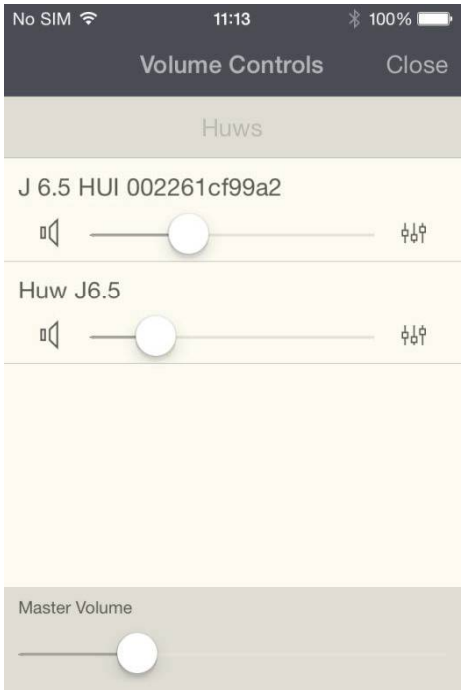
5.1 Multiroom Group volume controls

Tapping on the multiple speaker icon gives access to the Multiroom volume control screen:

Multiroom - Volume control screen	Provides access to the Equaliser, Mute and volume controls for each individual speaker in a group and the master volume for adjusting the entire group



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5.2 Preset

The preset menu is accessed from the Now Playing screen of those modes that offer the preset function by tapping on the icon.

The Preset option displays the available preset stores in which your favourite radio stations and playlists can be saved. Available in Internet radio, Spotify, DAB or FM modes, only the presets stores of the currently selected mode are shown within each listening mode.

Note: The Now Playing preview bar at the bottom of the Preset screen shows, and provides access to, the current Now Playing screen.

To choose a preset	Tap on the appropriate preset listed	
To store a preset	Press and hold the required preset store to store the current service/station/playlist in that store	

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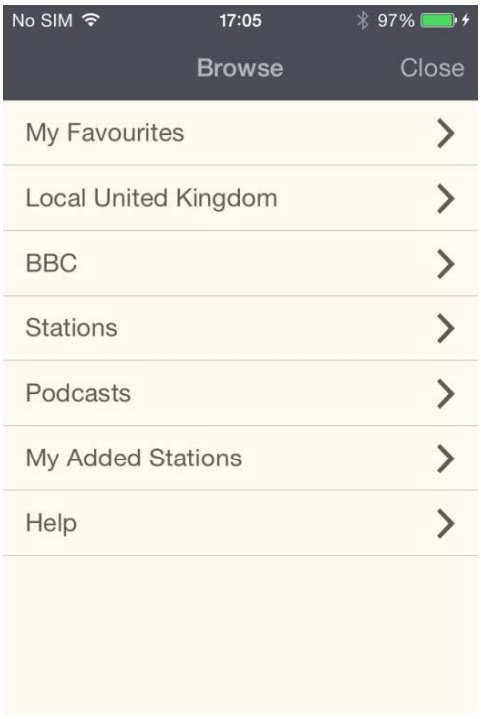
5.3 Browsing

Browsing can be accessed using the icon on the Now Playing screen. The availability and list options presented for browsing audio content will depend on the mode and available stations/audio libraries.

To browse and play available audio sources	Use the presented menu tree to navigate to and select the required audio source. The options and depth of the tree depend on the mode and available audio sources. Menu options with a right facing chevron give access to further menu branches.	

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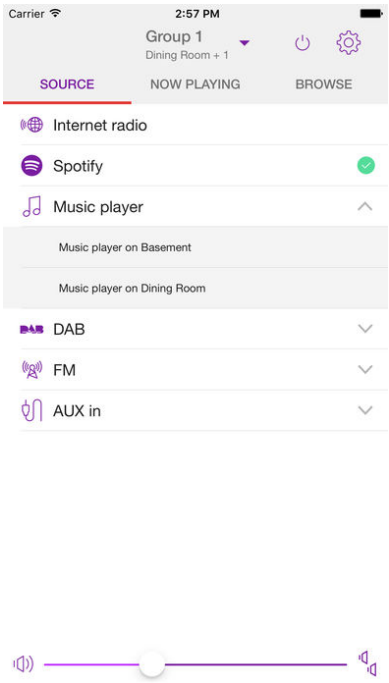
5.4 Mode

Presents the available audio source modes. The list presented will depend on the capabilities of the audio device or, in the case of a group, the capabilities of the group master device.

Note: The Now Playing preview bar at the bottom of the Mode screen shows, and provides access to, the current Now Playing screen.

Internet Radio	Provides access to a wide variety of internet radio stations available on the controlled audio device.
Music Player	Enables you to select and play music from any available shared music library on the network or on a storage device attached to the USB socket of the audio device currently being controlled.
DAB	Allows control of the DAB radio capabilities of the controlled audio device.
FM	Allows control of the FM radio capabilities of the controlled audio device.
Aux in	Allows playback of audio from a device physically plugged into the Aux-In socket of the controlled audio device..



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5.5 Settings

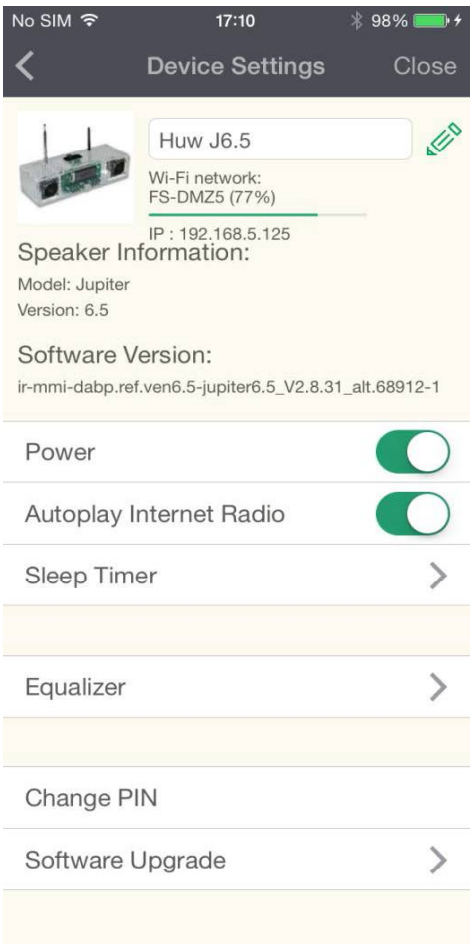
Accessed from the 'Now Playing' screen, the Settings screen provides general information and settings for the audio device being controlled.

Note An orange exclamation mark next to the settings icon indicates a software upgrade is available for the currently controlled device(s).

Note UNDOK App will only display the settings appropriate to the listening Mode currently selected and the capabilities of the radio unit being controlled.

About this audio device shows the version number and other details of the connected audio device(s).

Option	*Function*
Power	Switches the currently controlled audio device off or on.
Autoplay Internet Radio	When ON the speaker autoplays the station/podcast that was last selected. When OFF the speaker waits for the user to select a station/podcast to play.
Sleep Timer	Allows you to set up a sleep interval in hours and minutes, after which the connected audio devices will be put into standby mode.
Equaliser	Choose equaliser settings for the current device see section 5.6 below
Change PIN	Change the PIN of the current audio device.
Software Update	Check for Firmware updates for the currently attached audio device(s).



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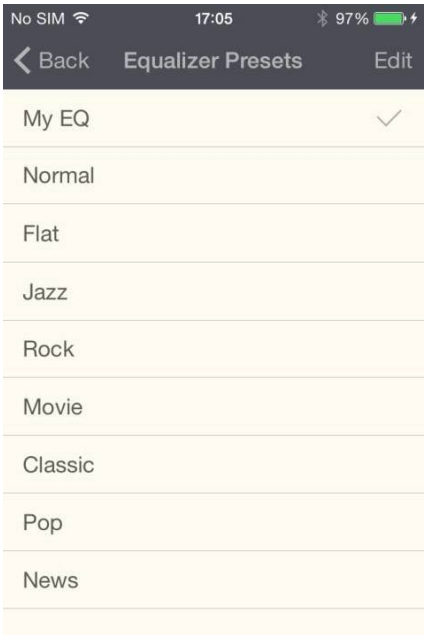
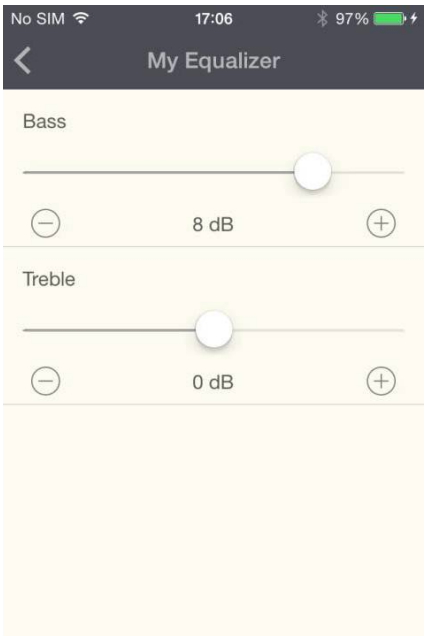
5.6 Equaliser

Accessed from the Settings Menu or via the EQ icon (available on the multi-room volume control screen) the EQ options allow you to choose from a menu of preset values and the user definable My EQ.

To select an EQ profile	Tap on the EQ option you require. The current selection is indicated with a tick.	
To edit the My EQ profile	Tap on the pencil icon to display the bass and treble settings (see below)	
	Editing the My EQ option presents a further window which allows you to define the 'My EQ' settings: Either drag the sliders or tap on the + and – to adjust the appropriate waveband bias.	

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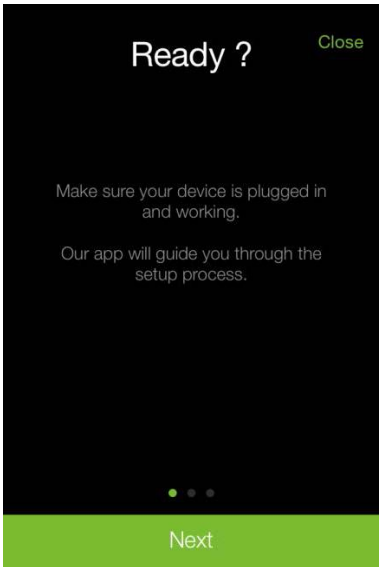
6 Setup new speaker

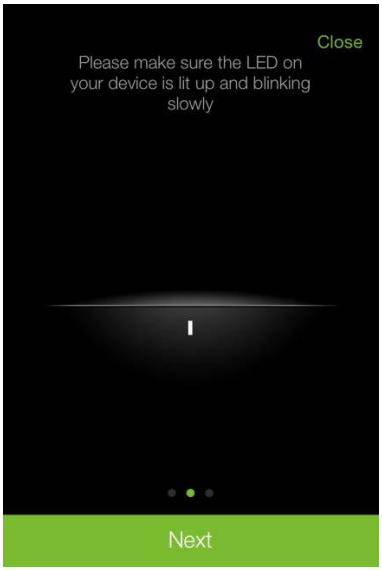
The UNDOK speaker setup wizard helps configure a suitable headless audio device (or a Spotify adapter) to connect to the user's Wi-Fi network. The wizard is accessible from the 'Now Playing' screen and Settings screen.

A series of screens walks you through the various stages. To proceed to the next screen swipe from right to left. Alternatively to go back a stage swipe from left to right.

You can abort the wizard at any stage by pressing the back button or exiting the App.

The Slow blinking LED on your audio device should indicate that the device is in WPS or Connect mode, see the User Guide for your device for details.





Your audio device (in WPS or Connect mode) should appear under Suggested Audio Systems. Listed under Other will be available Wi-Fi networks as well as potential audio devices.

If your device does not appear in either list; check it is switched on and in the correct connection mode.

To rescan for potential devices/networks the Rescan option is available at the bottom of the Other list.

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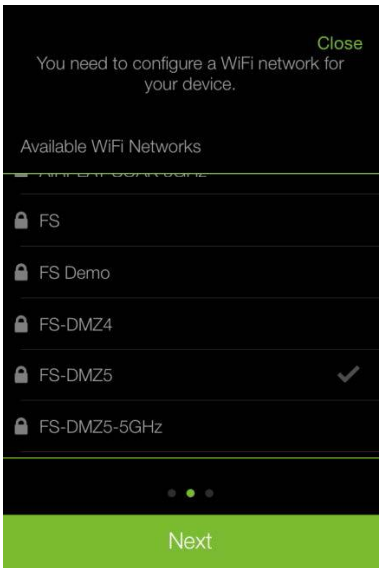
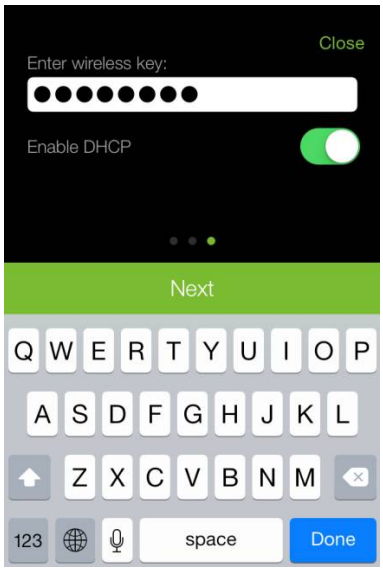
Once you have selected the desired audio device, you are presented with the opportunity to rename the device. When you are happy with the new name tap the Done option.

Note: the user name can be up to 32 characters and contain letters, numbers, spaces and most characters available on a standard qwerty keyboard.

The next stage enables you to select the Wi-Fi network to which you wish to add the audio device. You will need to enter the network password if required.



Note: If the password is incorrect or mistyped the connection will fail and you will need to start again by selecting 'Set up new Speaker'.



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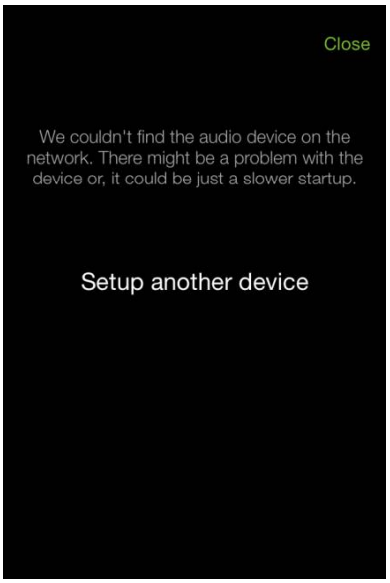
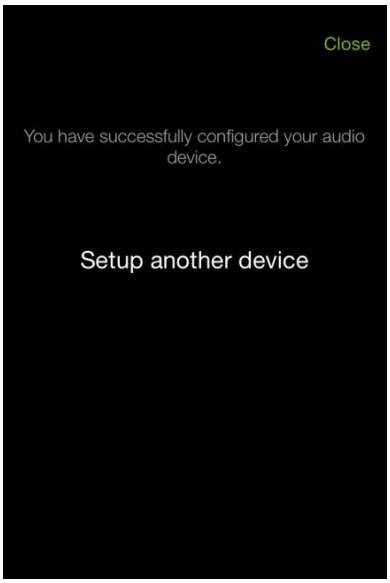
Once the network is selected and correct password entered the App configures the audio device, switches the audio device and the App smart device to the selected network and checks to ensure the setup has been successful. Once completed you can either exit the setup wizard or set up another suitable speaker device.





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