



Administrator's Guide for the Dueta App

This document is intended for those planning to be the Administrator for their Dueta whole-house audio system. This manual assumes you already have your whole-house audio equipment installed and connected.

The Dueta app works only with a compatible Dueta controller. This includes models: Dueta CONTROLLER and Dueta AMP (controller with built-in amp).

The app is designed to be intuitive for both initial set up and daily use. Review this document and then use it as a detailed guide if you are unsure of how specific aspects of the system are set up and used. Let's get started!

Download the Dueta App to your Phone or Tablet

The Dueta app is available for both iOS and Android. It works in both portrait and landscape orientations.

Connect the Dueta Controller to Your WiFi Network

Recommended: Use a Cat 5 or higher Ethernet cable to connect from the Dueta controller's Ethernet port to an open port on your network switch.

Alternative: To connect the Dueta controller wirelessly to your WiFi network, follow the instructions in the addendum on page 7 of this manual.

You CANNOT connect the controller to your network with an Ethernet cable AND wirelessly simultaneously. If both white Network indicator lights on the front panel are glowing, the system will not be controllable. Choose one or the other. Once a wired Ethernet connection is made, the controller will no longer broadcast its own WiFi network. If you subsequently decide to connect wirelessly, you must first disconnect the Ethernet cable and wait about 30 seconds before proceeding. Similarly, if you first connect wirelessly and later decide to use an Ethernet connection, you will need to gently depress the Reset button on the front of your controller for 10 seconds to disconnect the wireless connection.

IMPORTANT: Whether you connect using an Ethernet cable or wirelessly, **you need a single mesh WiFi network to keep your smart phones and tablets connected to the whole-house audio system**. Make sure the modem is set to "bridge mode" and that only the router is using DHCP to manage IP addresses. **DHCP should be turned off on all access points.**

Open the App for the First Time

Automatic connection to your system – Whenever your phone or tablet is connected to the same WiFi network as your Dueta controller, the app will automatically connect to it.

The very first time you launch the app, your phone or tablet may present a pop-up window asking you to allow the app to access devices on your network. **You must agree to this for the app to auto-detect a Dueta controller on your network.** The app may also require human verification as part of the initial setup process. Your phone number (and possibly human verification) will only be required again if you Log Out of the system. The app can be opened and closed without logging out, so it is best to stay logged in.

While rare, some routers can be configured in such a way that it blocks the app's ability to find the Dueta controller. See the addendum titled, "Manual Connection to Your System" on page 8 for how to proceed.

Sign In as an Administrator for the First Time

1. The app provides the option of signing in as an Administrator or by using a Profile (profiles will be covered later in this document but are essentially for everyone except the Administrator). Select "Administrator" and you will be asked to enter your mobile phone number. This phone number will be used to set up an account unique to you and your Dueta system(s). It will not be shared or used for any other purpose.
2. Next, you will be asked to enter a 4-character system code. This code is the last 4 characters of the system's MAC address. The MAC address is printed on the bottom of your Dueta controller. Two extra stickers are provided which can be added to this manual or placed where you can more easily retrieve it.

Place MAC Address Sticker
here for easy reference

3. Assuming the system code matches the Dueta controller found on your network, you will next see a "Welcome to Dueta" page.
4. Clicking "Next" reveals a page to "Configure Your System". This page can be accessed later under System Settings > Master Enable/Disable. These settings are intended to help your Dueta system operate as efficiently as possible by disabling rooms and source inputs that you will not be using.
 - Rooms – disable rooms you will not be using. Example 1: if you are installing a Dueta AMP and do not plan to add an additional amplifier, you would disable 1B, 2B, 3B, 4B, 5B, and 6B. Example 2: if you are only adding audio to 11 rooms in your home, you could disable 6B.
 - Sources – disable source inputs you will not be using. Example: if you are connecting two streamers to Source 1 and 2, a TV to Source 3, and a media player to the Source 6 digital input, then you would disable Source 4 and Source 5.

Note: you can always choose to re-enable these rooms and source inputs should you expand your system.

5. Click "Complete Setup" and you are taken to the Home Page where you can immediately begin using the app, albeit with default Room Names and Source Names.

Customize the App

Main Menu – Touching the three horizontal bars in the upper left, sometimes referred to as a "hamburger menu", reveals a slide-out menu. The first heading is "Administrator". Your system will be shown just below it, along with a second Dueta system should your home network utilize more than one. If you have only one system, all edits within this Settings menu will pertain to that system. If you have more than one Dueta controller on this network, be sure the one you wish to edit is highlighted before proceeding. This is also the best place to quickly switch between multiple systems. Click the up or down arrow to hide or reveal your system(s).



Room Settings –

Power Off Delay – Set how long a room remains muted before it is automatically powered off. Select **Never** to disable automatic power-off.

To See or Not to See – Click on the “eye” icon to enable this room to be displayed or not displayed on this device (phone or tablet). As an Administrator, you will likely have every room enabled. But this feature is handy when creating Profiles for others to use the system. This is where you can limit how much control a Profile has over a room, or if the room is even available to that Profile.

Room Name – Overwrite the default name (e.g. “Room 1A”) with something more descriptive such as “Kitchen” or “Primary Bath”.

Bass / Treble – When toggled on, you can adjust bass and treble within a room. By default, these are enabled; however, once you’ve set the bass and treble to your liking, we recommend turning them off.

Balance – This setting is disabled by default. Enable it only in the rare case you need to adjust the relative volume levels of the left and right channels within a room.

Lock mode – When this feature is toggled on, a user can place a room in and out of lock mode. Lock mode prevents changes to the room that are initiated by any user who was not provided “lock mode” privileges as part of their Profile. Global commands to change multiple rooms to a different source, or power off all rooms, will also skip over rooms that are locked.

Linkable – This is the feature that inspired the name Dueta! The Linkable option is only available if both Room A and Room B are both viewable in the User Profile. When enabled, you have the option to select the link icon for these two rooms on the Home screen. When two rooms are linked, they automatically share the same source, using Room A's selected source by default. Volume can be adjusted from either room while preserving the relative volume difference between Rooms A and B. Unlink the rooms to control them independently.



Source Settings –

Control Pads – This option is disabled by default. Enable **Control Pads** only if a wall-mounted CP1 control pad will be installed in one or more rooms. When enabled, you can create custom source names (up to 7 characters) that will be displayed on the control pad.

To See or Not to See – Click on the “eye” icon to enable this source to be displayed or not displayed on this device (phone or tablet). As an Administrator, you will likely have every source enabled. But this feature is handy when creating Profiles for others to use the system. This is where you can limit which sources a Profile will be able to select.

Source Name – Overwrite the default name (e.g. “Source 1”) with something more descriptive such as “Streamer 1” or “Patio TV”.



Shortcut Settings – If you've connected at least one music streamer to your system, you'll benefit from adding shortcut buttons from a list of more than 50 popular music services and apps. Shortcuts make it easy to toggle between what you want to hear (selected within the music service app) and where you want to hear it (selected within the Dueta app).

If the app is already installed on your phone or tablet, tapping a shortcut will open the associated music service. *Note that the first time you use a shortcut, your phone or tablet may prompt you to allow the Dueta app to open the link.* When you are finished using the music service app, tap “Dueta” located in the upper left corner of your screen to return to the Dueta app. On some Android devices, you may not see “Dueta” in the upper left corner. In those cases, simply tap the phone’s native back button.

Tap on an app in the “Shortcut Selections” area to move that app into the “Active Shortcuts” section. Apps in the “Active Shortcuts” section can be rearranged by dragging and dropping their icons (press and hold an app icon to move it; then release it where you want it).



System Settings –

System – Here you can view network information such as IP address and MAC address and overwrite the default system name, “My House”, to something more personal or descriptive. A more descriptive name is especially important when more than one Dueta system has been installed on the same WiFi network.

Themes – have some fun with the look of the app by choosing between multiple colors and a Dark or Light aesthetic.

Master Enable/Disable – These settings are intended for initial setup and should rarely be changed. Toggling off rooms and source inputs that will not be used will make your system run more efficiently. E.g. if you will never have a source connected to the Source 5 input, then it is best practice to disable it here. Similarly, if you are not using any of the “B” rooms, it is best practice to disable them.



Profiles – This is where you set up as many unique Profiles as you need, whether for specific individuals or groups of users such as “Kids” or “Guests”. A Profile can be provided to multiple users.

Create a Profile – Click on “+” to start the process. Enter a custom name for the Profile.

Options – Set up rooms one by one or start with “Full Permission” and then disable rooms, sources, and features you don’t want the Profile to have.

Best Practice – Start with “Full Permission” and then toggle OFF any room this Profile should not be able to control. Then, for every available room: toggle OFF Bass, Treble, and Balance to prevent users with this Profile from adjusting the way the room sounds; toggle OFF “lock mode” unless you want users of this profile to be able to lock the room and override a room that is already in lock mode; set the maximum volume for this room; if the profile has access to both the A and B rooms, decide whether or not they can link those rooms (typically yes!).

Audio Sources – Select which sources will appear in the drop-down menu for users of this Profile.

Save Profile – Click “Save Profile” and the Profile will appear in your list of Profiles.

Edit or Delete a Profile – Click on the pencil or trash icons located near the bottom right. Select the Profile to edit or delete.

Share a Profile with a User – Tap on the User Profile and a QR code will appear on your screen. A new user simply downloads the Dueta app, chooses “Profile” instead of “Administrator” and scans this QR code. They can scan directly from your phone or tablet or you can print the code to leave somewhere inside your home (perfect for guests!).

Alternatively, instead of scanning a QR Code, simply click on “# Code” to share a 6-character code that a user can enter into the Dueta app on their device.



Integrations – [COMING SOON] Settings are required to link the Dueta app to your account(s) with Amazon, Google, and Apple. Once linked, Dueta Presets can be automatically launched using voice and home automation commands.

Use the Dueta App

Home Screen – After the initial setup, the app will open to this page. It provides a great overview of the status of your entire system and provides full control over every room.

At any time, you can return to the Home Screen by touching **Home** in the footer of the app. The footer is also used to quickly access **Groups** and **Presets**.

- Touch the **Power/Mute Button** to turn an individual room on or off.
- Touch and hold the **Room Name** to open a drawer with additional features like treble and bass, or to put a room into lock mode. Touch the up arrow or touch and hold the Room Name again to close the drawer.
- Touch the **Source Name** to bring up a list of your available sources. Select a source for that room. A change in source will cause a room that is currently powered off to automatically be powered on.
- Slide the **Volume Level** to adjust volume between a range of 0-60. Adjusting the volume of a room that is currently powered off will cause the room to automatically power on.
- Touch the speaker icon in the upper right corner to quickly **mute all rooms** that are currently powered on, not already in mute, and not in lock mode. Touch it again to un-mute all the rooms it just muted. Note that if too much time passes, rooms will go from muted to powered off, based on the “Power-Off Delay” setting.
- Located just below the last room, you have the option to **turn all rooms on or off**.
- Tap **Party Mode** to force all rooms (currently not in lock mode) to turn on and listen to the source selected.
- If set up, **shortcuts to your favorite audio apps** are found near the top of the page. If more than six shortcuts have been added, you can slide left and right to see all of them.

Note: certain actions will not be executed when a room has been placed in Lock Mode. A user cannot override settings in a room that is in lock mode unless their Profile allows it.

GROUPS – Create and save larger “Groups” of rooms you commonly control together to quickly have them all playing exactly what you want.

How to create a Group –

1. Press “+ ” to first enter a Group Name. Popular groups are “Upstairs”, “Downstairs”, “Outdoor Zones”, “Kid Zones”, “Common Areas”, and “Bedrooms”.
2. Select the rooms you want included in the Group.
3. Click “Save Group” to be returned to the list of Groups.

Note: tap the pencil or trash icon to edit or delete a Group.

How to use a Group –

Press and hold the Group Name to reveal each of the rooms included in the Group.

Note that if a room in the Group is currently powered off, adjustments to the Group source or Group volume will cause the room to be powered on.

- **Group control –**

- Slide the Group volume to simultaneously lower or raise the volume of all rooms in the Group.
- Slide a room's volume to independently control its volume. Note that the Group volume level always reflects an average of all the individual rooms.
- Touch Select Source to select a common source to be heard in all rooms or select sources uniquely within each room.
- The Group on/off/mute button will affect all rooms in the group.
- Master Mute in the upper right corner will continue to impact ALL rooms, including those within the Group (assuming they are powered on and not already muted or locked).

PRESETS – Presets offer a powerful way to quickly set all rooms or a selection of rooms to a specific state. Think of them as an “audio scene” that can be executed with a single button press. Examples of presets include “Morning”, “Everyday Listening”, “Loud Party”, “Dinner Party”, “Quiet Time”, “End of Day”, “TV Everywhere”, etc.

How to create a preset –

1. Press “+” to first enter a Preset name such as “Quiet Party”.
2. Select all of the rooms you'd like included in the Preset, then press Next.
3. Make adjustments to each room as needed for power on/off, volume level, and source.
4. Press and hold a room name to reveal the option to set lock mode.
5. Once all rooms have been set up, press “Save Preset”.

Note: tap the pencil or trash icon to edit or delete a Preset.

Tip! When creating a new Preset, rooms will initially display their current state. While you can make adjustments to a room before saving a Preset, the best practice is to use the Home screen to first set the source and volume for every room you'd like included in the Preset. In this way, when you go to create a Preset, those rooms only need to be selected for inclusion in the Preset because the source and volume level are already exactly where you'd like them to be.

How to use a preset –

Simply click on a Preset Name to apply it. The app will return to the Home screen once the Preset was applied successfully. Remember, Presets only impact the rooms that were included in the Preset. Rooms previously placed into lock mode will not be impacted by a Preset.

Addendum: How to wirelessly connect Dueta to your home network

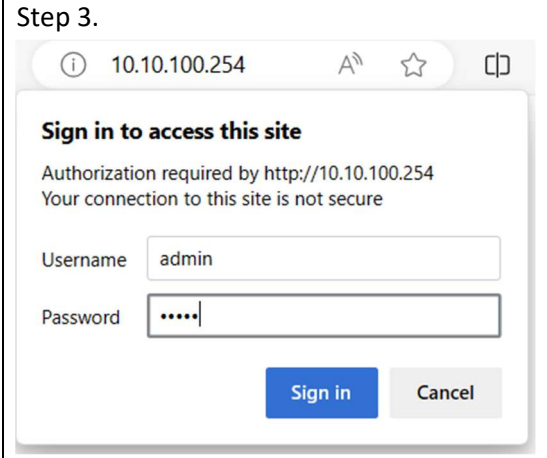
While we highly recommend connecting your Dueta controller to your network switch using an Ethernet cable, it is possible to connect wirelessly. Dueta controllers will broadcast their own Wi-Fi network (AP Mode) until you adjust the settings to wirelessly join your existing Wi-Fi network (STA Mode).

1. Attach the antenna.
2. Use a nearby smart phone or tablet to search for available Wi-Fi networks. Select the network labeled “Dueta” (press “Connect” if your device prompts you to do so). Your device may state that this is an unsecured network with no Internet connection. This is to be expected at this stage in the setup process.

*If you do not see an available network called “Dueta”: while the unit is powered on, use a toothpick or paper clip to **gently** depress the button labeled “Reset” (located on the front panel) for ten seconds.*

3. Open a web browser and enter 10.10.100.254 as a website address. A pop-up window will appear requesting username and password. Enter “admin” in both fields and sign in.

Step 3.



10.10.100.254

Sign in to access this site

Authorization required by http://10.10.100.254
Your connection to this site is not secure

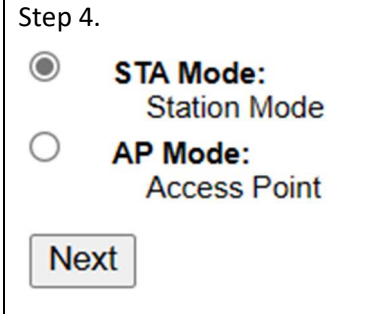
Username admin

Password

Sign in Cancel

4. Select “STA Mode” and press “Next”.
5. A Site Survey table will display all available network connection points. Select the SSID (network name) of your WiFi network that is ranked highest in the list and press “Apply”. Don’t worry, if you later move the Dueta controller to another location within your WiFi network; it will automatically switch to the access point with the best signal.
6. Enter the password for your WiFi network and press “Save”. Wait about 60 seconds for the Dueta controller to reboot and then close the browser window (even though it may still display “Rebooting . . .”).

Step 4.



☒ **STA Mode:**
Station Mode

☐ **AP Mode:**
Access Point

Next

Your Dueta controller should now be accessible on your Wi-Fi network and discoverable by the Dueta app. It is okay to unplug or lose power to the Dueta controller. The settings are maintained so that the next time power is restored, it will automatically reconnect to your Wi-Fi network.

Addendum: Manual connection to your system – While rare, some WiFi routers can be set up in a way that blocks the app’s ability to *automatically* find the Dueta controller. If you are certain that the Dueta controller is connected to the same network that your phone or tablet is connected to, and the app does not auto-discover it, you can connect manually:

1. Click on “Connect Manually” found near the bottom of the app’s intro page.
2. *Enter the IP address your router assigned to the Dueta controller.
3. Enter the Port number. The default value for all HTD systems is 10006.
4. Enter the MAC address.

***How to identify a gateway’s IP address if the app did not auto-discover it:**

BEST way for all devices . . . use the app provided for the router of your home network, e.g. Eero, Unifi, etc. Look for a device labeled “dueta”. The MAC address will begin with A4- 4F-29. View the app’s details to get the IP address.

If you have an Android device . . . use the “Fing – Network Scanner” app. Look for a MAC address that begins with A4-4F-29. Note: you cannot use Fing with an iOS device.

If you have a PC . . . use “Advanced IP Scanner” found at <http://www.advanced-ip-scanner.com>. Look for a MAC address that begins with A4-4F-29.

If you have an Apple computer . . . use “LanScan”. Look for a MAC address that begins with A4-4F-29.

If you are comfortable accessing your router’s data . . . it may provide the IP address and MAC address for network connected devices, often under the heading “Connected Devices” or “Client List”. Look for a MAC address that begins with A4-4F-29.

If you have an Apple iOS device . . . sorry, you will have to use one of the options listed above. Apple iPhones and iPads block your ability to view most MAC addresses.