

TDC-8300

Owner's Manual

Total Control™

Introducing the TDC-8300

Thank you for purchasing URC's Handheld Touch Screen. Its easy and intuitive use helps to simplify your life while adding control of more things than you thought possible.

Online Support:
Total Control is sold direct only and must be installed/program by a certified custom integrator.

End-User Support:
Visit the URC Home Page for product information, owner's manuals, and support contact information.

Contact Support:
Total Control is a URC product sold direct only. For questions or assistance contact your Custom Installer/Programmer.

My Installer/Programmer

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Technical Support

Toll Free: 800-904-0800
Main: 914-835-4484
To open a support ticket go to:
www.urcportal.com
Hours: 9:00am-6pm ESTM-F

Rev 1.0

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Features and Benefits

The TDC-8300 Handheld Touch Screen is one of URC's most advanced devices that is optimized for usage with Total Control.

Enjoy these key features:



Amazon Alexa

This keypad is capable of integrating with Amazon Alexa devices, bringing voice control to home automation solutions.



Audio-Video Interface

Communicate with any other URC Intercom-Enabled device in the system with this feature. The end-user can make Audio-Video, Audio, or Audio Broadcast calls directly from the TDC-8300.

Parts List

The following is included in the box:

TDC-8300



Charging Dock



Lithium-ion Battery



USB-C Cable



Power Supply

(FCC / US only)



Regional Power Adapter Notice

For the CE / EU version, the AC power adapter is not included.
Please use a commercially available, CE-certified power adapter that complies with applicable local safety requirements,
Use only a power adapter with a output voltage and cuurent rating that matches the rated input marked on the produck label.

The TDC-8300

A. Microphone Array: The microphone is built into the top of the TDC-8300, allowing for exceptional audio capture when using the Alexa or intercom features.

B. Microphone & Camera Status LED: An LED that will show if the Camera is being used or the Microphone is in use.

C. Camera: A single camera is used for all video functions.

D. Proximity & Light Sensors: These dual sensors allow the handheld touch screen controller to sense users within close proximity to it and monitors the ambient light level of the room, so the LCD can automatically adjust to the perfect brightness.

E. Microphone Button: This is used for accessing voice control or Intercom/Door Station interaction.

F. Speakers: Audio is outputted for Voice Assistant responses, Intercom and Door Station Audio, and button press feedback.

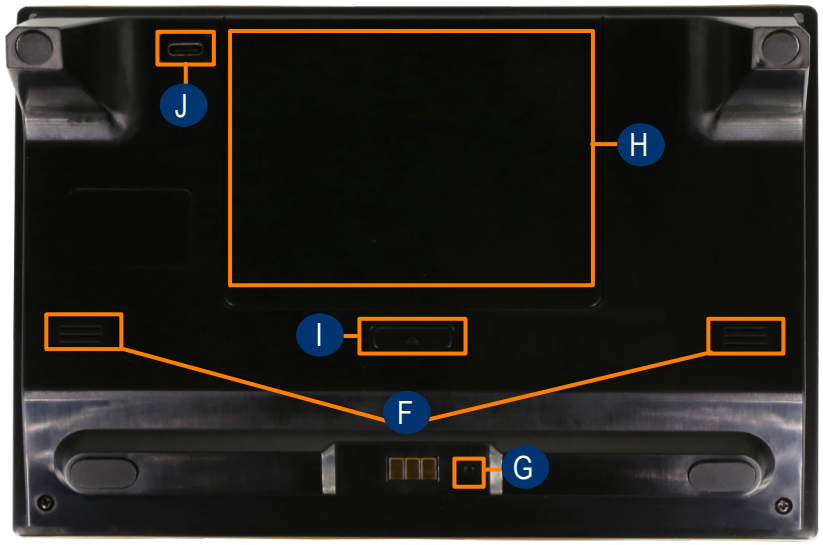
G. Reset Button: Along the bottom of the keypad, is the reset button. A single press power cycles the keypad. Holding the button for twenty (20) seconds Factory Defaults the keypad.
DO not use this unless instructed by URC or your custom installer

H. Battery Cover: Covers the battery compartment of the TDC-8300.

I. Battery Cover Release Button: Pressing this button will release the battery cover.

J. USB-C Port: Port used for faster charging.

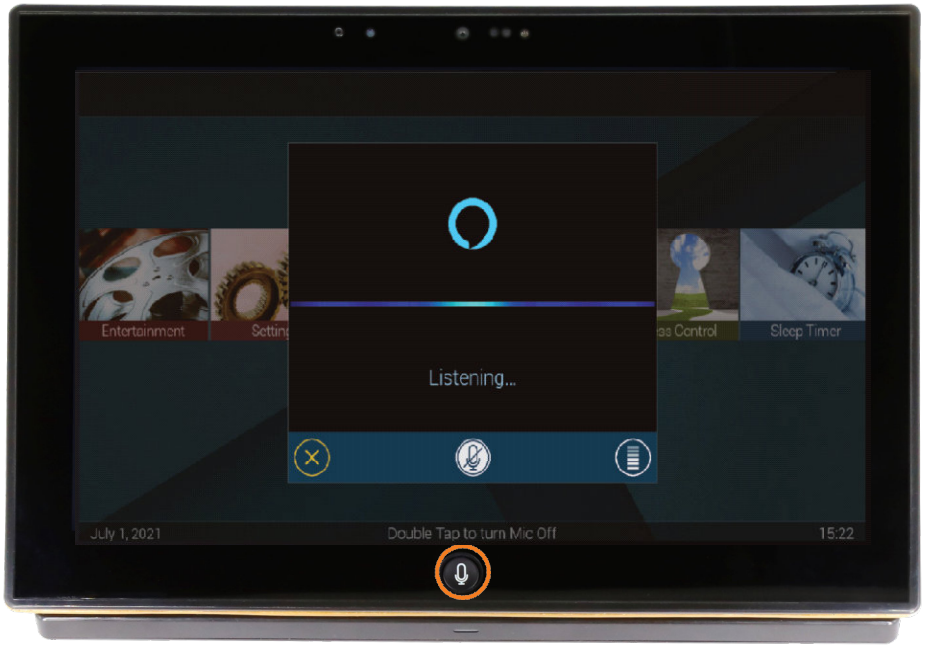




Alexa Features

When integrated with Amazon's Alexa Voice Assistant, an end-user is able to take advantage of it's various features and services within their Total Control system.

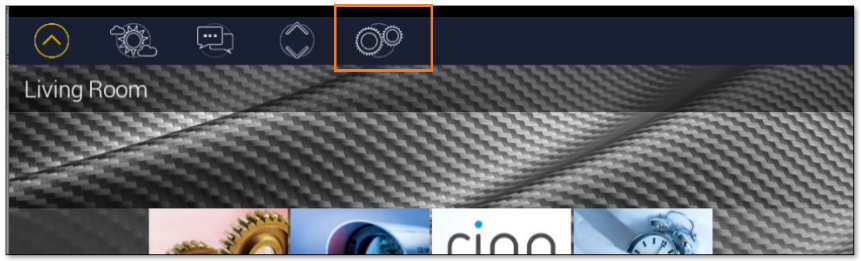
- Microphone Button: Press and hold the microphone button on the TDC-8300 to speak to Alexa. Double-tap the button to turn on or off the microphone.
- Microphone Button Notification Colors: Alexa notificationsare reflected on the TDC-8300 through the Microphone Button. It is able to glow in several different colors, indicating the microphone's current state, an active announcement or notifications from Amazon, such as informing the user of package deliveries or new deals.
  - Blue: The microphone is enabled.
  - Cyan: Announcements.
  - Purple: Do Not Disturb is enabled.
  - Red: Microphone is off.
  - Yellow: Messages/notifications.



Settings Menu

Access the Settings Menu by sliding the Title Bar down and selecting the Settings button.

Most settings do NOT require interaction with the end-user. Changing settings may cause issues with the Total Control system, only do so when instructed to by URC Technical Support.



- Sleep Settings: Manage when the LCD screen turns OFF.
- General: Contains all the general settings for the TDC-8300.Allows the adjustment of Date, Time, and Temperature Scale settings.
- Sound: Adjust the volume of the audio feedback, intercom alert level and door station alert level when pressing buttons on the interface.
- Brightness: Allows the adjustment of the LCD screen's brightness, night level, LCD level, button back-light, mic light and enable the light sensor.
- Pickup Sensor: Allows the sensitivity level of the pick up sensor to be adjusted.
- Proximity Sensor: Allows the adjustment of the proximity level.
- System: Provides general information about the TDC-8300suchas memory used, current version, and version details.
- Network: Connects the TDC-8300totheWi-Fi network and gives general info about the network connection.
- Power: Set when to be notified of low battery power.
- Voice Assistant: Settings for Amazon Alexa.
- Factory Default: Allows the TDC-8300 to be reset to its factory state.
- Intercom: Allows the configuration of the Audio/Video Intercom.



Sleep Settings

Control when the TDC-8300 LCD turns OFF with the following settings:

1. On Battery Settings: When the TDC-8300's is not on the charger or not plugged in:
   - Use the +and- signs to determine when the LCD will turn off. The time options are from 10 seconds to 3 minutes.
2. On Charger Settings: When the TDC-8300 is on the charger or plugged in:
   - Use the radio button to select if the LCD Screen is always ON.

     or
   - Use the radio button to select if the LCD Screen will turn OFF after the select time. The time options range from 20 seconds to 3 hours.
3. Night Mode Settings: When the TDC-8300's LCD screen will dim itself and for how long.
   - Start After: The TDC-8300 times out based on the value entered here and goes into Night Mode.
   - Duration: The TDC-8300 turns off Night Mode after the value entered here.

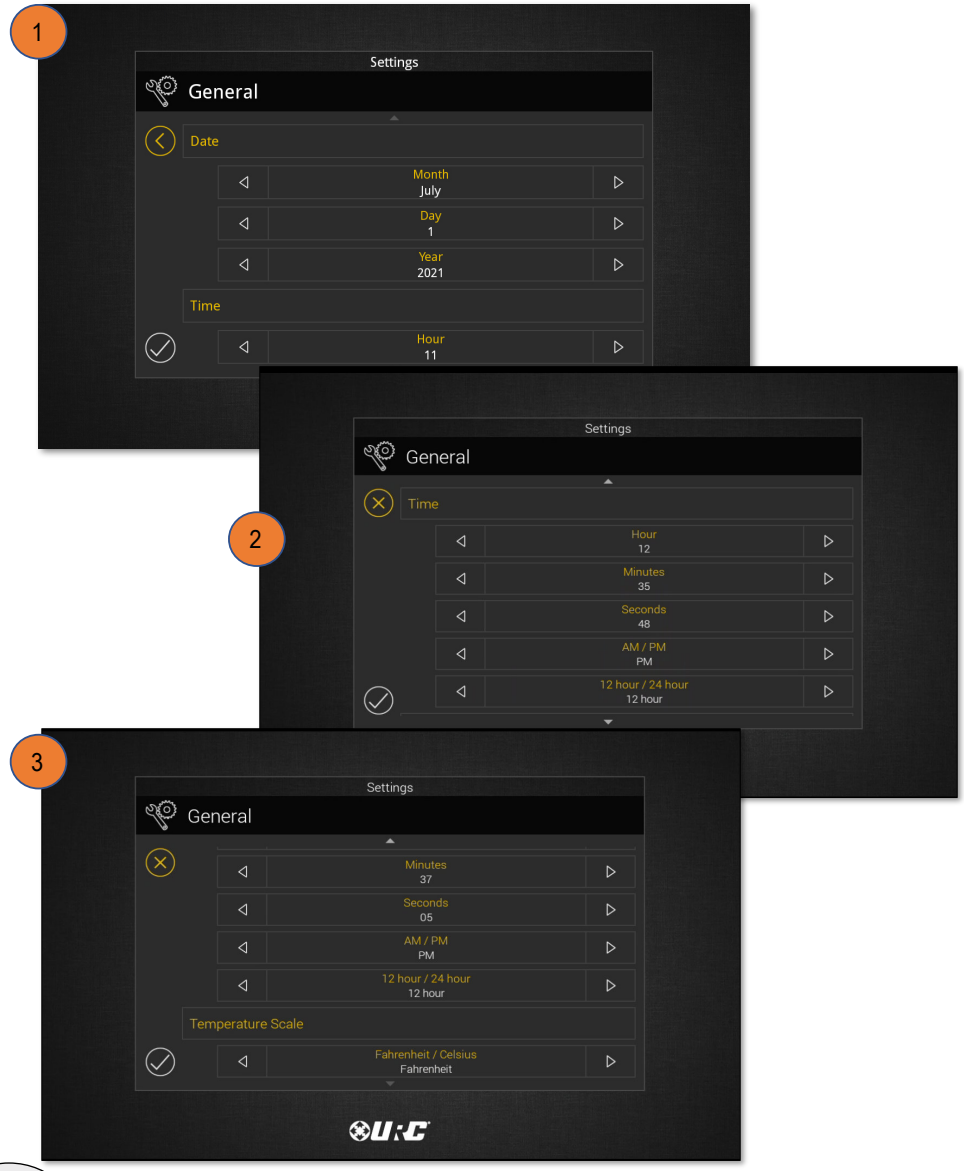




General

Using the left and right arrow keys, enter the values of each category:

1. Date: The following values can be changed:
    - Month
    - Day
    - Year
2. Time: The following values can be changed:
    - Hour
    - Minutes
    - Seconds
    - AM/PM
    - 12Hour/24Hour
3. Temperature Scale: Set this to either Fahrenheit or Celsius.



Sound

Use the plus and minus buttons to raise or lower the TDC-8300's audio levels. Dragging the slider to the left or right will also adjust it to a specific audio level.

1. Button Sound: Audio level for button feedback when pressed.
2. Intercom Alert: Audio level for the incoming call notification.
3. Door Station Alert: Audio level for door station notifications.



Brightness

Use the plus and minus buttons to raise or lower the TDC-8300's display brightness. Dragging the slider to the left or right will also adjust it to a specific brightness level.

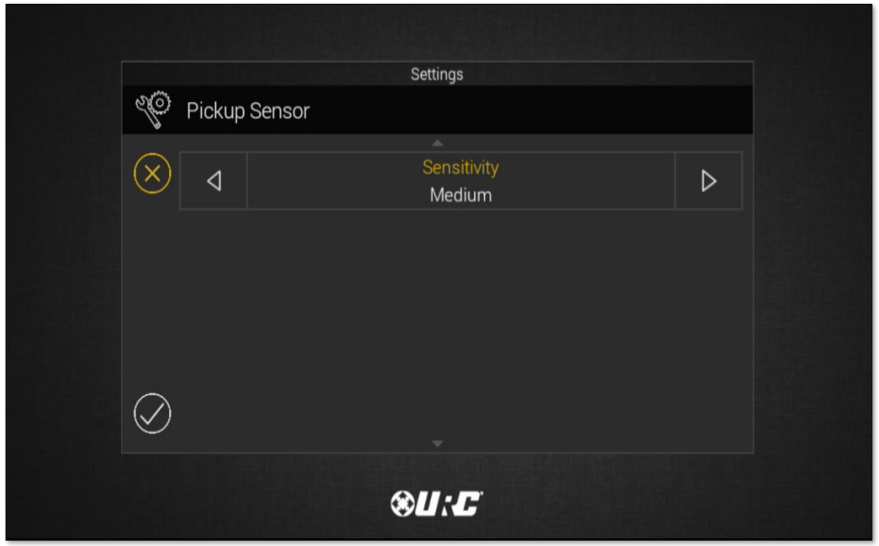
1. Brightness Level: How bright the screen is when in use.
2. Night Mode Brightness Level: How bright the screen is when in Night Mode.
3. Mic Backlight Brightness Level: How bright the mic button appears.
4. Enable Light Sensor: The TDC-8300 is equipped with an ambient light sensor that can automatically adjust the display brightness. Check the box to enable this feature.
5. Camera LED Status: Determines if the camera's LED will remain on or off when the camera is in use or not.



Pickup Sensor

Use the left and right arrow buttons to decrease or increase the TDC-8300's Pickup Sensor sensitivity, with Off being the lowest setting and High being the highest setting. There are four levels of sensitivity to choose from, Off, Low, Medium and High.

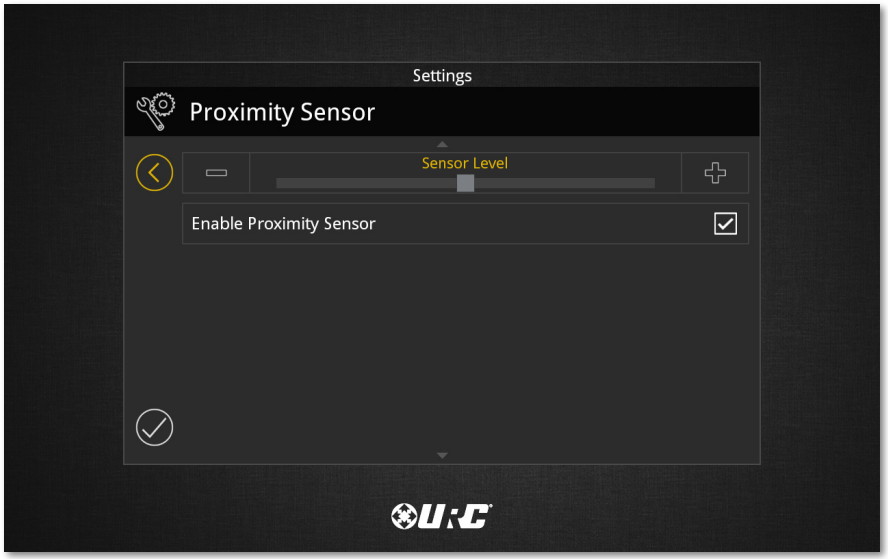
- The Pickup sensor feature will awaken the TDC-8300 based on the tilt sensitivity setting when the device is picked up.



Proximity Sensor

Use the plus and minus buttons to raise or lower the TDC-8300's Proximity Sensor sensitivity. Dragging the slider to the left or right will also adjust it to specific sensitivity level.The maximum distance of the proximity sensor is about three (3) feet.

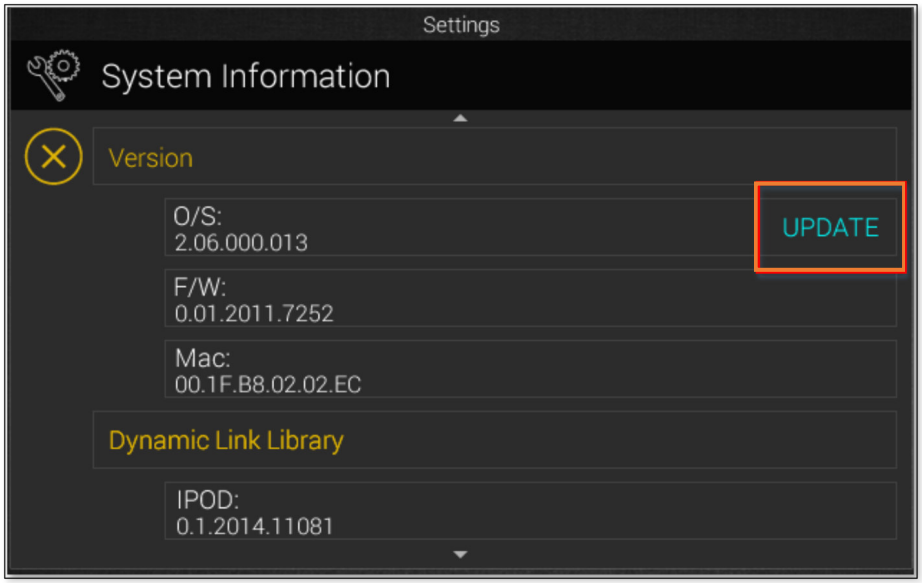
- Enable Proximity Sensor: By default this checkbox is enabled. Uncheck the box to disable the proximity sensor.



System Information

Although none of this information can be modified, the System Information page displays important details about the TDC-8300. This information is only needed by a custom installation professional or URC Technical Support.

- Please consult with URC's Tech Support before using the UPDATE feature.



Network

Network Status

To view the network status of the device:

1. Select in the bottom left corner.
2. The status will now be displayed indicating the Status, Network Name and the Signal Strength.





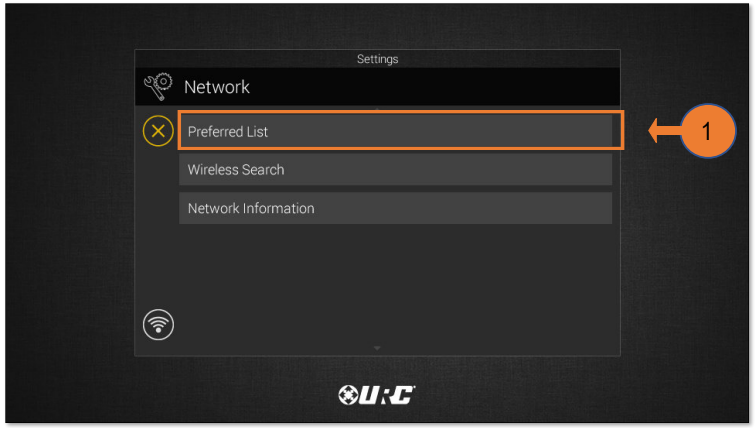
Network (cont'd)

Preferred List

The Preferred List menu will display a list of SSID's that have been added to the TDC-8300 using the Wireless Search or the Add Other methods.

To view the Preferred List:

1. Select Preferred List.
2. Displays the List of SSID's that have been added to the TDC-8300.Using the radio buttons give you the option to choose which one you would like to connect to.
3. Select Add Other to add additional SSID's to the Preferred List.





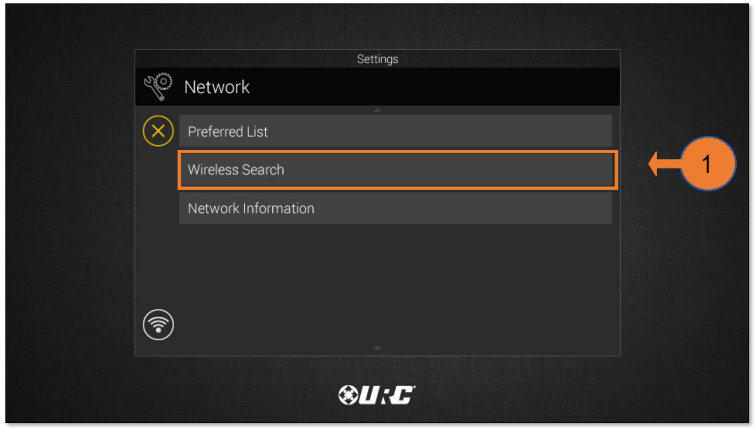
Network (cont'd)

Wireless Search

When viewing the Wireless Search list, the base station will scan the area for available WiFi networks.

To view the Wireless Search list:

1. Select Wireless Search.
2. The Wireless Search list will consist of the available WiFi networks showing the assigned network, networks that don't require passwords and networks that require a password.



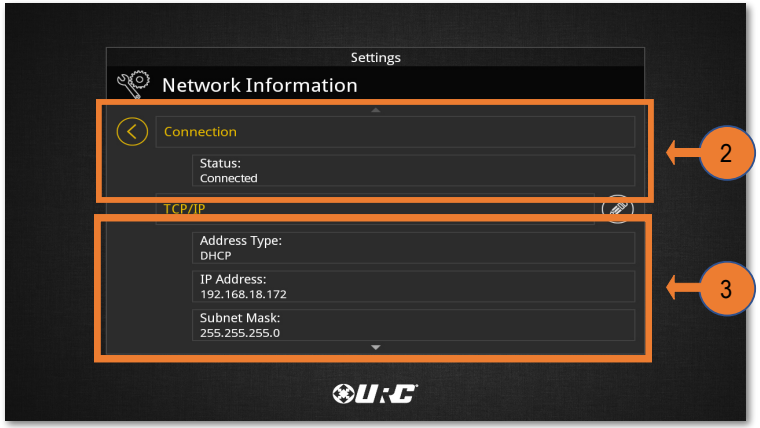


Network (cont'd)

Network Information

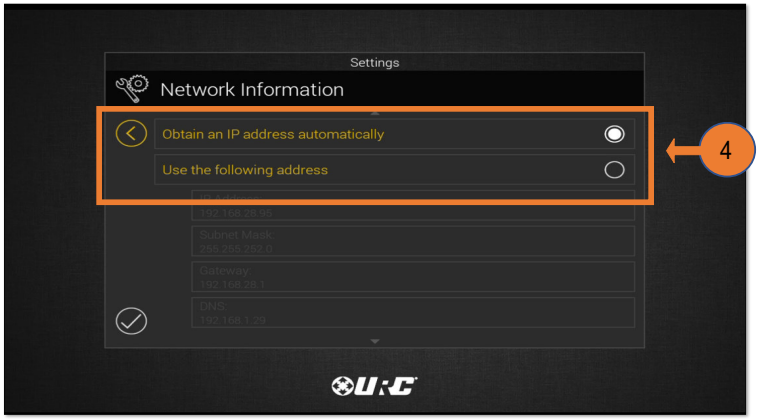
This option displays important information about the current network.

> CAUTION, these settings should ONLY be changed by a professional. Entering values without specific instruction could easily result in the TDC-8300 failing to function correctly.



Here is the information that can be displayed here:

1. Select Network Information.
2. Connection: Displays the status of the network connection, Connected or Not Connected.
3. TCP/IP: Displays information such as Address Type (DHCP or Static), IP Address, Subnet Mask, Gateway, and DNS.
4. Select the Edit button to reveal additional options.
   - For DHCP, select Obtain an IP Address Automatically.
   - For Static, select Use the Following Address. Fill out the required network settings.

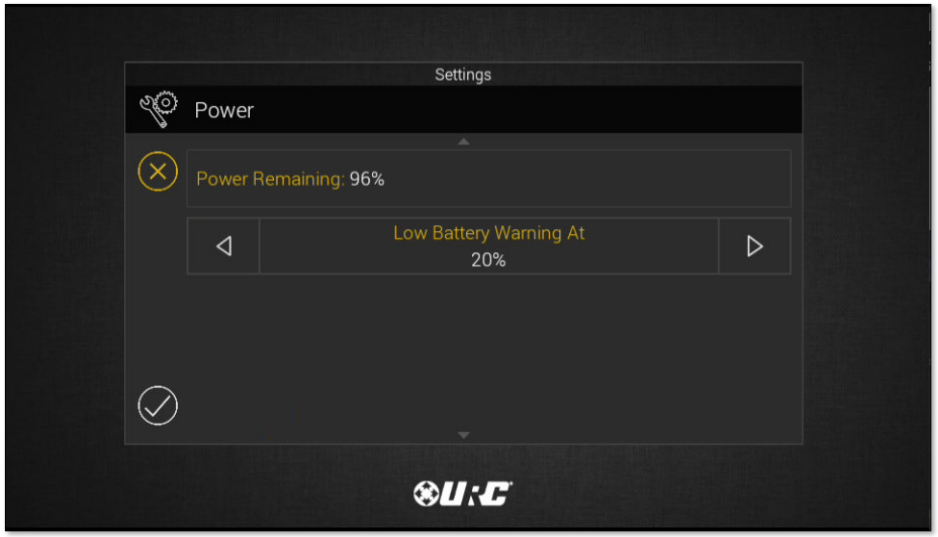




Power

The TDC-8300 displays a Power Remaining value and Low Battery Warning to inform the end-user that it requires charging. On this menu, use the left ◁ and right ▷ arrows to set the battery charge level which triggers this warning.

The image to the right is set to receive a low battery warning when the device has reached 20% battery charge. As explained, this value can be adjusted with a range of 10%-50%.



Voice Assistant

The Voice Assistant menu is where Alexa integration settings are located. Select Alexa Voice Assistant to access the individual settings.

Currently this menu shows the Alexa Voice Assistant and will include other Voice Assistant services when they are supported in Total Control.



Alexa Voice Assistant

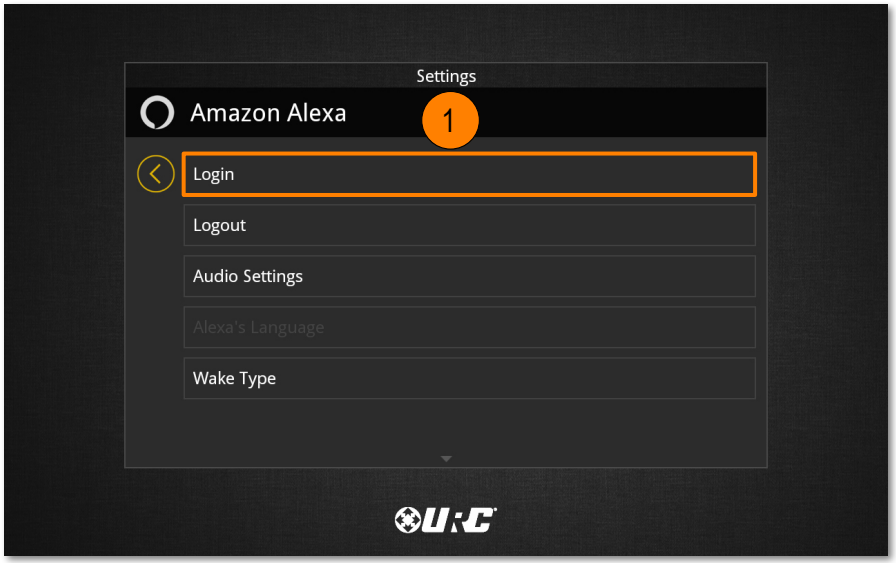
Please note that this feature may not be active if your install professional did not configure it when programming your system.

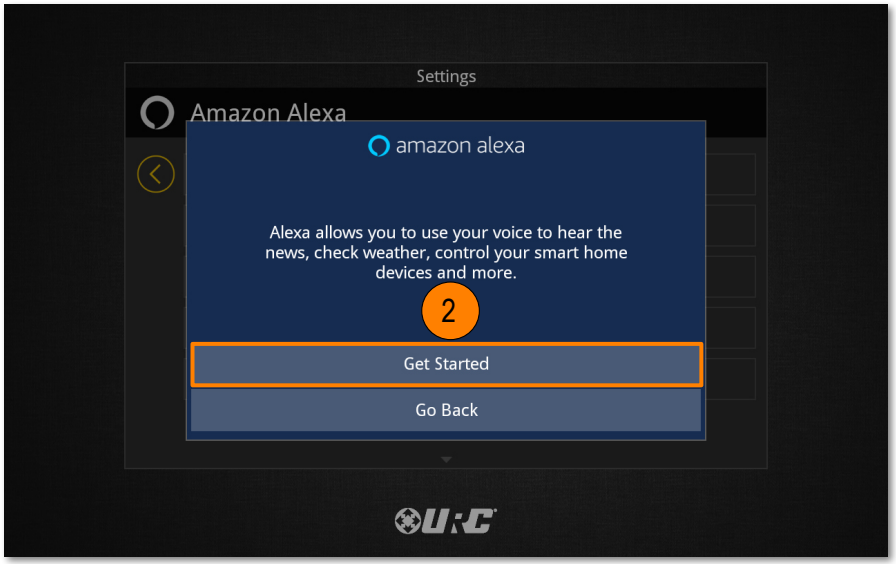
This menu allows Alexa to be enabled and disabled. Audio, language, and wake options are also available to further tailor the user experience. Some options are not available until Alexa has been enabled.

Login

To use Alexa, the TDC-8300 must be added to an Amazon account. This requires the use of a web browser to complete. Perform the following to enable Alexa:

1. Select Login.
2. A new window appears, explaining the benefits of enabling the Alexa Voice Assistant. Select Get Started.

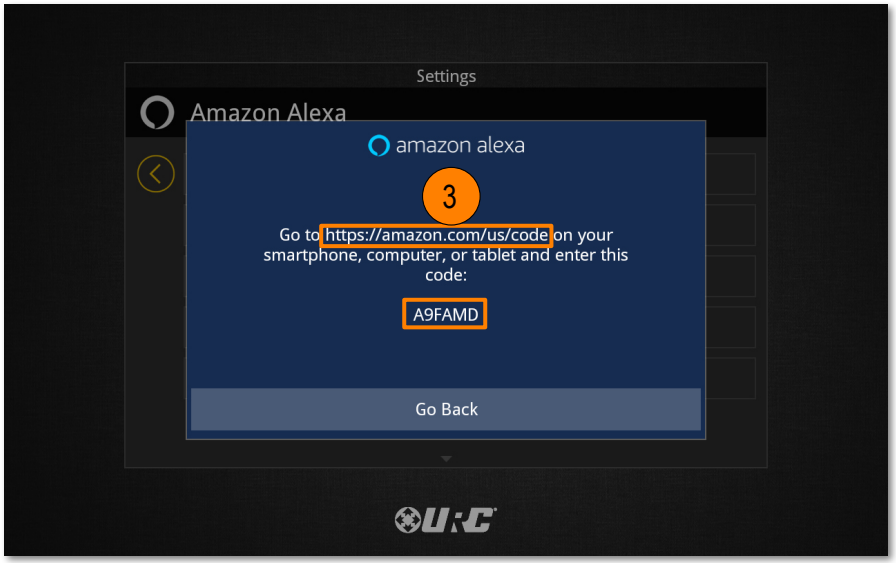


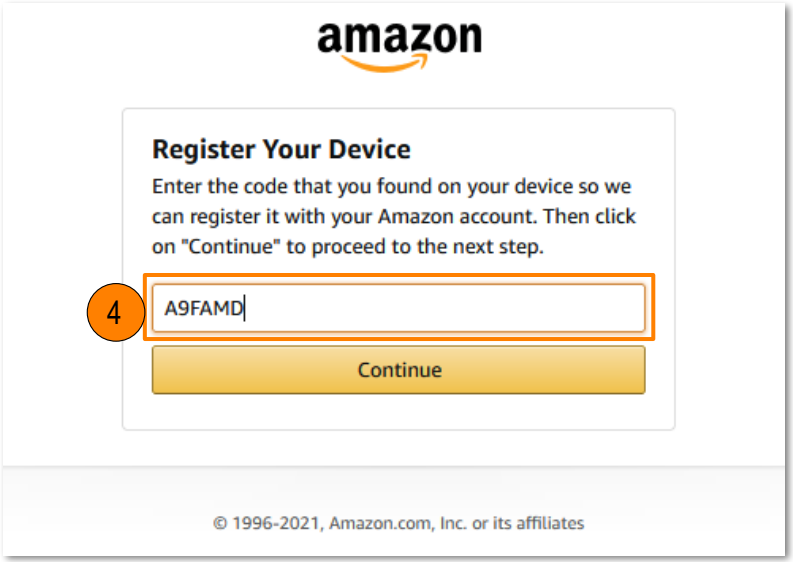


Alexa Voice Assistant (cont'd)

3. A new window appears and provides a device code.This code will need to be entered on Amazon's website at https://amazon.com/us/code.

4. After logging into your Amazon account, enter the provided device code to register the TDC-8300 to the account.

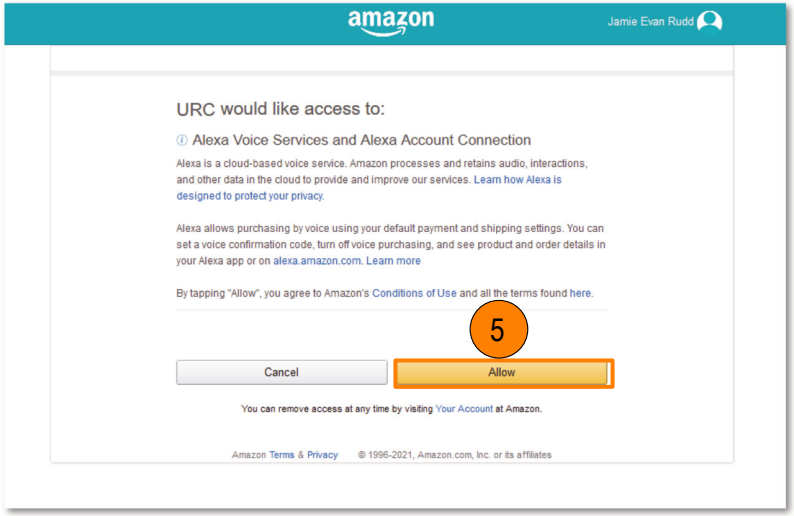


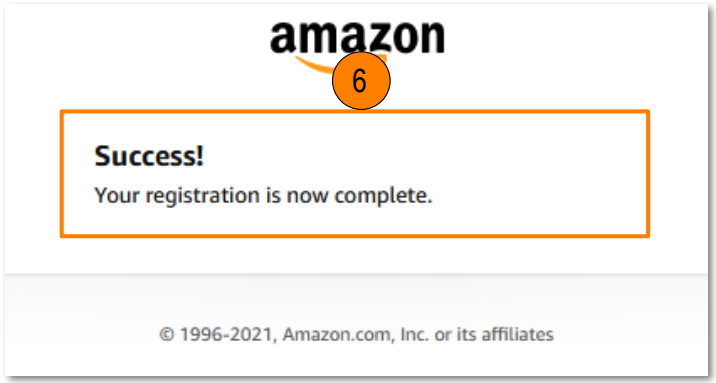


Alexa Voice Assistant (cont'd)

5. A permissions page appears, providing a summary of Alexa's services. Select Allow to complete the process.

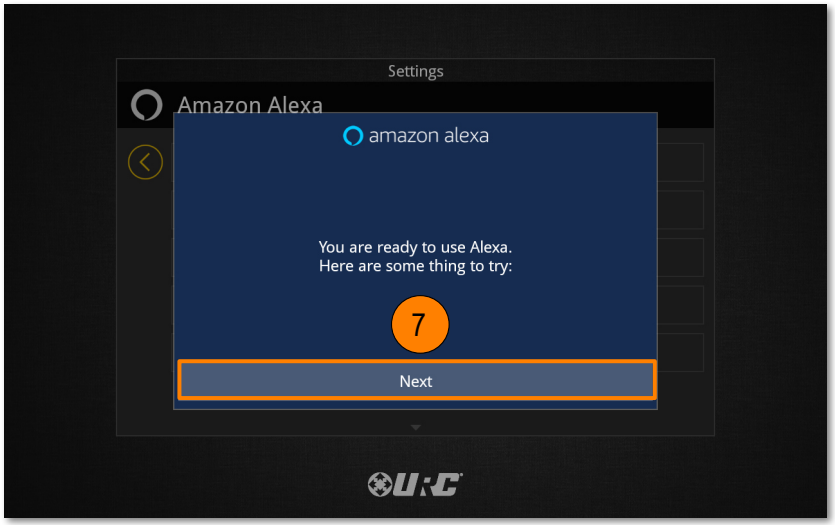
6. The registration process is now complete. Return to the TDC-8300 to finish the process.

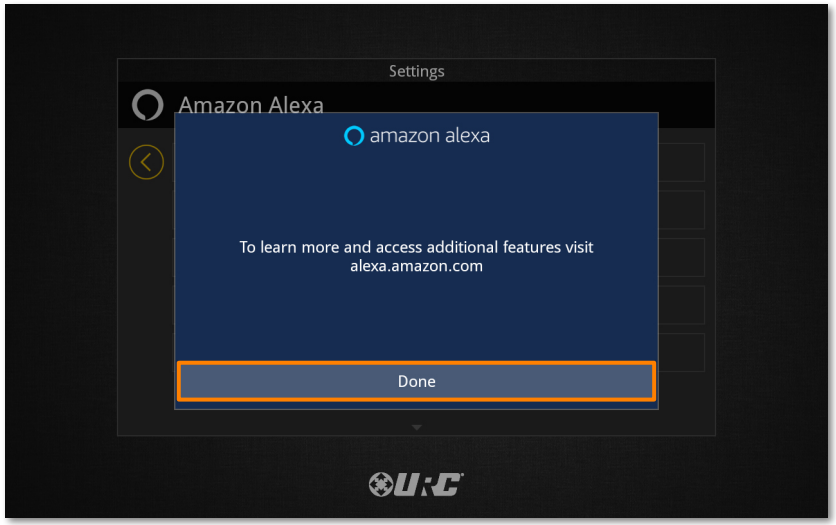


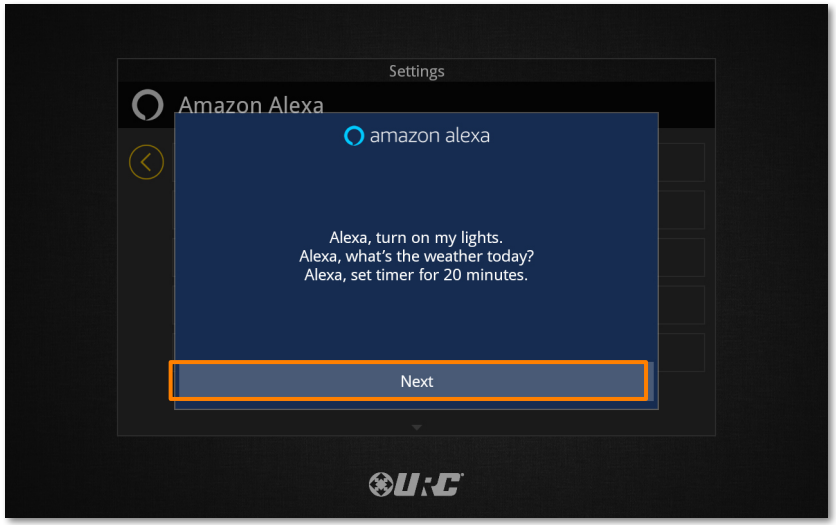


Alexa Voice Assistant (cont'd)

7. Select Next to move through the tip screens. On the third screen, select Done to complete the login process.



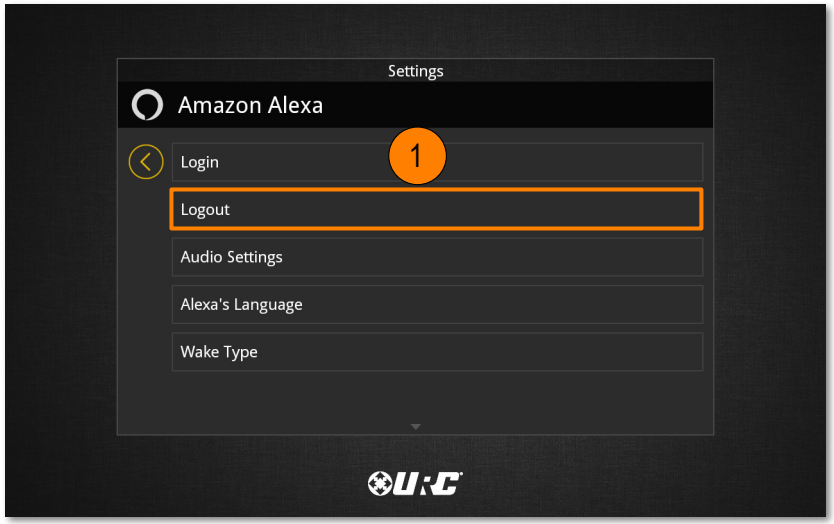


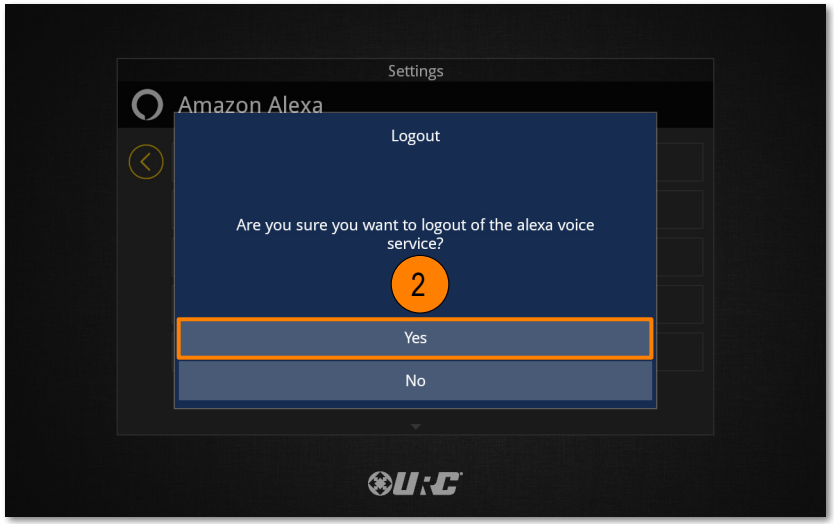


Logout

To disable the Alexa Voice Assistant, perform the following:

1. Select Logout.
2. A confirmation window appears. Select Yes to complete the process.





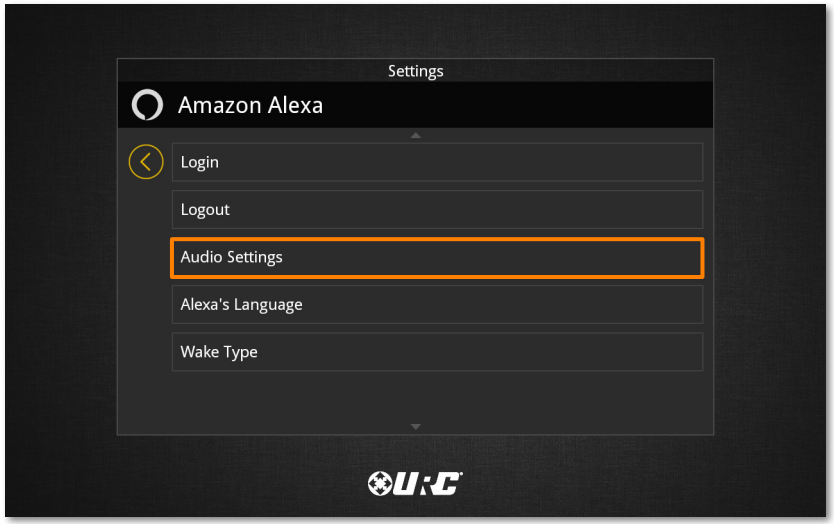
Logout (cont'd)

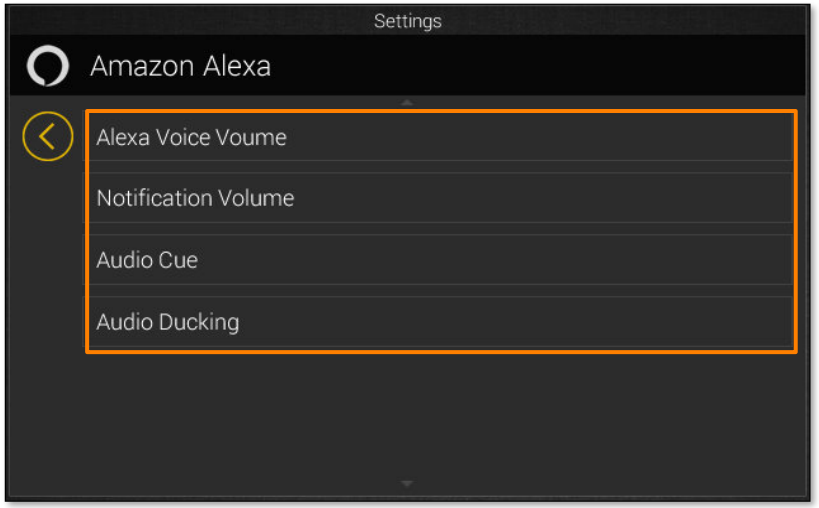
3. The TDC-8300 returns to the Voice Assistant menu. When enabled, a green icon appears on the right side of the button.



Audio Settings

Select Audio Settings from the menu to configure voice and audio levels for the Alexa Voice Assistant.





Audio Settings (cont'd)

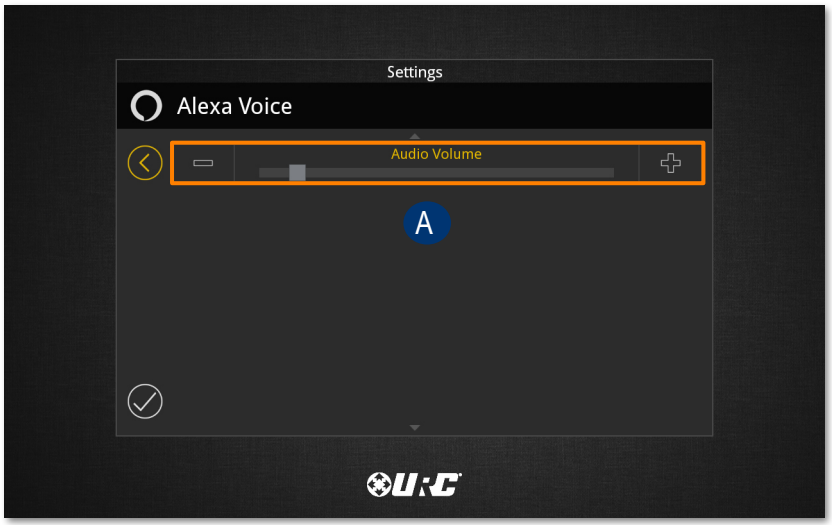
Select Audio Settings from the menu to configure voice and audio levels for the Alexa Voice Assistant.

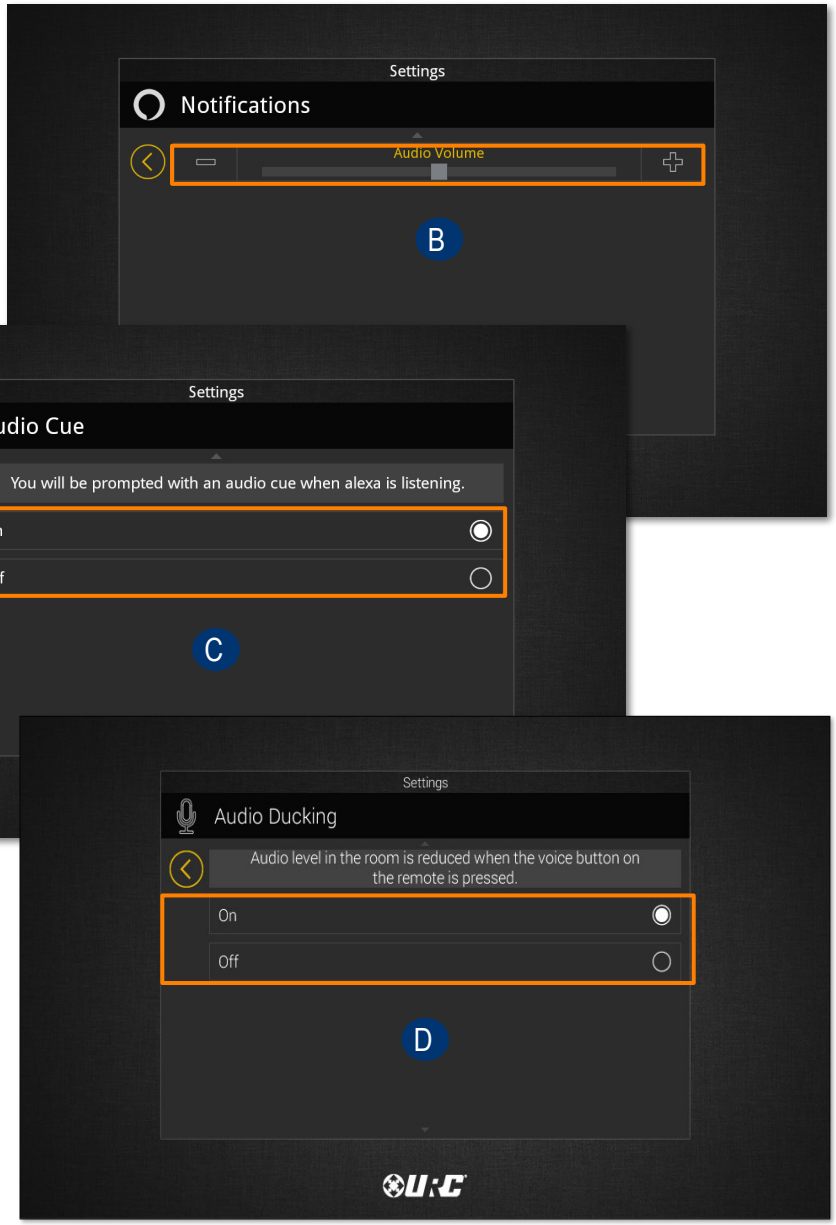
A. Alexa Voice Volume: How soft or loud Alexa will speak when replying.

B. Notification Volume: How soft or loud Notification audio will play.

C. Audio Cue: Enable or disable the audio cue when Alexa is listening.

D. Audio Ducking: This feature is only compatible for HDA 2.0 systems and will lower the HDA volume by the percentage set when the user presses the Mic button to speak to Alexa,





Language

Several languages, along with several variations, are available for selection.

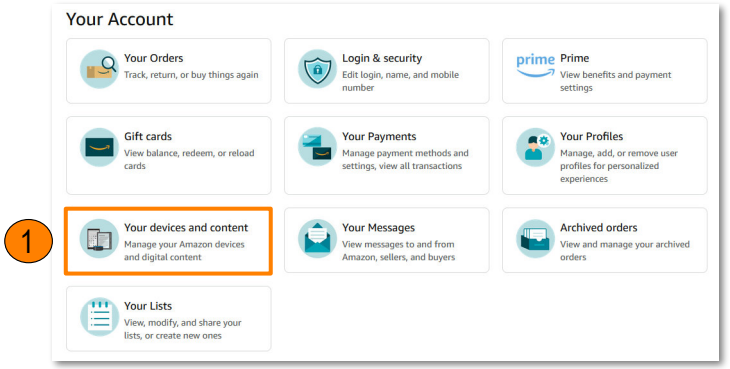


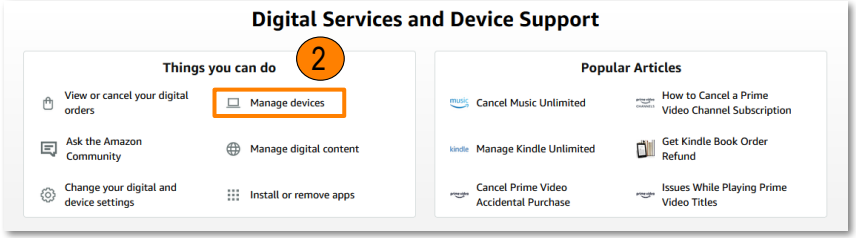


Removing the TDC-8300 from an Amazon Account

Perform the following from the Amazon website to remove a device from an account:

1. From the Your Account page, select "Your devices and content" from the menu.
2. The Digital Services and Device Support page will list several options. Select Manage devices.
3. The next page lists out the devices connected to the account. Select Other devices and then select the TDC-8300.

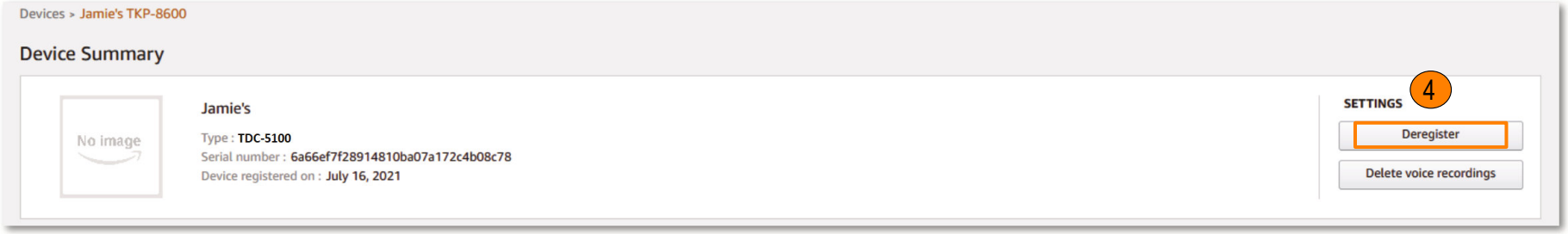


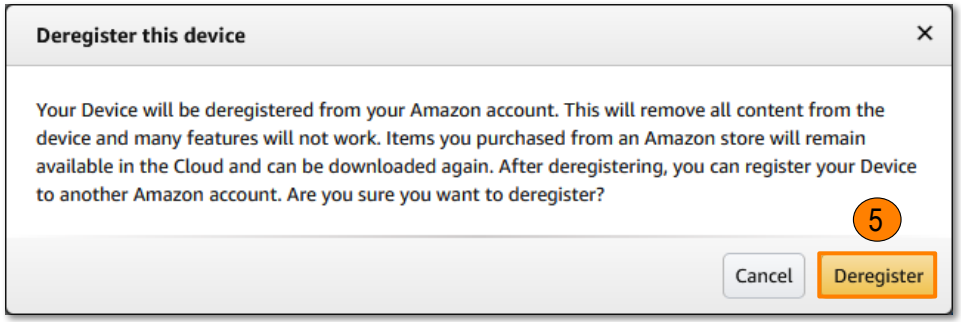




4. On the Device Summary page, select Deregister. Voice recording data may also be deleted at this time for privacy concerns.

5. Select Deregister again to complete the process.





Factory Default

This should only be attempted by a custom install professional that is familiar with Total Control or under instruction from URC Technical Support. Selecting this option resets the TDC-8300 to its factory state and does not function until the device is reprogrammed by a custom install professional.

1. Press and hold the Factory Default button for over five (5) seconds.
2. A confirmation window appears. Select Yes.



Intercom

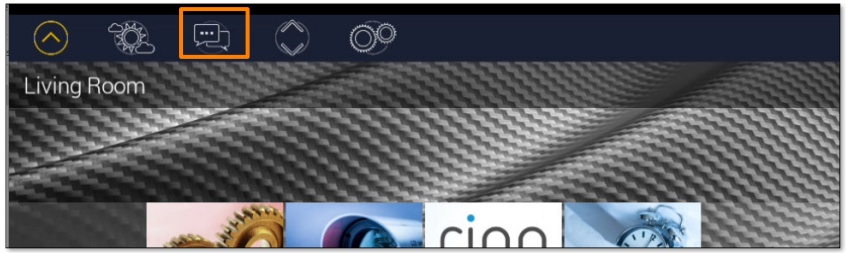
The Audio-Video Intercom Settings menu is the location where the Intercom features must be enabled. By default this feature is disabled, it must be enabled in order for the TDC-8300 to communicate with other Intercom-Enabled devices.

- Enable Intercom: Enables the audio intercom function. Once enabled, the Intercom icon is displayed when dragging down the Title Bar as seen on page 5.
- Enable Intercom Video: Enables the video intercom function.
- Enable Monitor: Enables the video monitor function. This function is only available when the Video Intercom function is enabled.
- Set Intercom Notification Sound: Allows the user to select a different tone for intercom calls.
- Door Station Calls: If the system is integrating with a compatible 3rd party Door Station, this feature must be enabled for the TDC-8300 to receive door station calls and for this option to be visible on this screen.



Intercom (cont'd)

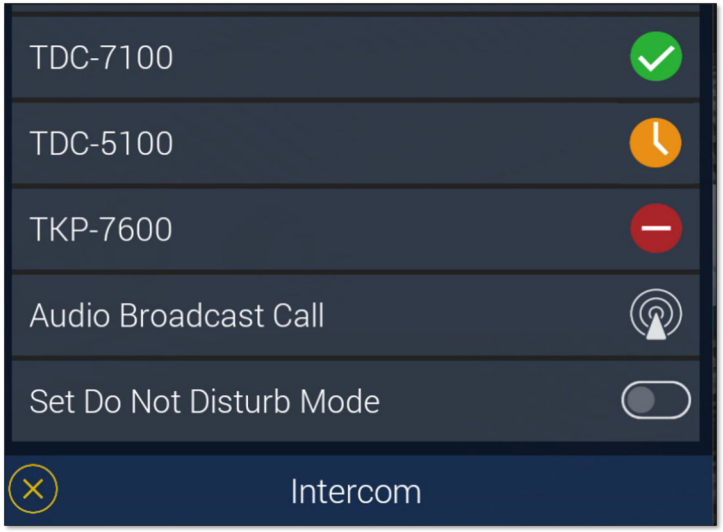
Navigating the Intercom Menu



The TDC-8300 has the capability of communicating across the home network to any URC Intercom-Enabled device.

Accessing the Intercom button is performed by swiping down on the Title Bar.

After selecting the Intercom button from the Title Bar Menu, the Intercom Menu displays. This menu presents the end-user with useful information:



- DoorStationIntegration:Inthecasewherea3rdpartydoorstationhas been integrated with the Total Control system, those device(s) are located at the top of the Intercom Menu.
- System Clients: The Intercom Menu lists every Intercom-Enabled client in the system. There are three (3) possible status modes for each client:
  - Available: The client is ready to receive any type of call.
  - Not Available/Busy: Signifies the client is unable to receive a call.
  - Do Not Disturb: Signifies the client is currently in Do Not Disturb mode.
  - Broadcast Call: Populates a list of all available Intercom-Enabled devices.
  - Do Not Disturb Mode: Enabling the Do Not Disturb feature sets the current TDC-8300 unavailable. This means that the keypad cannot receive any calls from other interfaces.

Specifications

These are the technical specifications for the TDC-8300:

Microprocessor: ARM Cortex-A55 Core 1.8GHz

RAM: 8GB eMMC, DDR4 4GB

LCD: 8.0" TFT LCD (1200 x 1920), 16.7M colors

Touch Window: Capacitive Touch

Sound: Mono, 1.5 Watt

Sensors: Proximity, Ambient, and Pickup sensor

Camera: 1.3MP

Device Support: Supports up to 255 devices

Usage Pages: Supports up to 255 pages on each device

Macro Capability: Up to 255 steps

Wi-Fi: IEEE 802.11 b/g/n/ac [2.4Ghz and 5GHz]

Battery: Lithium -polymer, 3.7V, 4500mAh

Battery Charging Time: 5Hours

Power: 2.0A / 5.0V

Operating Temperature: 0~45°C (non-condensing)

Size: 8.0in x 5.57in x 2.84in

Weight (with battery loaded): 18.5oz

Limited Warranty Statement

https://www.urc-automation.com/legal/warranty-statement/

End User Agreement

The terms and conditions of the End User Agreement available at https://www.urc-automation.com/legal/end-user-agreement/ shall apply.

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. The device has been evaluated to meet general RF exposure requirements. The device can be used in portable exposure condition without restrictions.

Importer & Manufacturer

- Importer:
  Universal Remote Control, Inc.
  500Mamroneck Ave
  Harrison, NY 10528

- Manufacturer:
  Summit Technology, Inc.
  612, 130, Digital-ro, Geumcheon-gu, Seoul, Republic of Korea

Rechargeable Lithium Polymer Battery Precautions & Information

- If you know you will not use your remote control for an extended period of time, please remove the battery.
- Do not attempt to dissemble, alter, or apply heat to the battery.
- Use care to avoid dropping the battery or subjecting it to severe impact that could damage it.
- The battery should not be immersed in water.
- Risk of explosion if the battery is replaced by incorrect type.
- Dispose of used batteries according to the instructions.
- Lithium Polymer batteries are recyclable. For information on local drop-offsite, please visit www.rbrc.com or call toll free 1-800-822-8837

Warning!

The manufacturer is not responsible for any Radio or TV interference caused by unauthorized modification to this equipment.

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Regulatory Information to the User

- CE conformity Noticed Products with"CE"marking comply Radio Equipment Directive 2014/53/EU issued by the commission of the European Community.

  1. Radio Equipment Directive

     -Radio
     -Health
     -EMC
     -Safety

- Declaration of Conformity

"Hereby, Universal Remote Control, Inc. Declares that this TDC-8300 is in compliance with the Radio Equipment Directive 2014/53/EU."

Declaration of Conformity

https://www.urc-automation.com/legal/DoC/TDC-8300

Declaration of Conformity

Company Name	**: S-Tech Won Inc.**
Company Address	**: Sanggadong-303, 423, Sanho-daero, GUMI-SI, GYEONGSANGBUK-DO, REPUBLIC OF KOREA**
Contact Information	**: Phone: (+82)-54-465-5701**
Product Name	**: Touch Screen Controller**
Model Name	**: TDC-8300**

This product herewith complies with the requirements of Radio equipment Directive(2014/53/EU) issued by the Commission of the European Community
Compliance with these directives implies conformity to the following European Community

■ **Radio equipment Directive**

- **EN IEC 62368-1:2020+A11:2020**
- **EN 62368-1:2014+A11:2017**
- **ETSI EN 300 328 V2.2.2**
- **ETSI EN 301 893 V2.1.1**
- **ETSI EN 300 440 V2.2.1**
- **EN 62479:2010**
- **ETSI EN 301 489-1 V2.2.3**
- **ETSI EN 301 489-17 V3.2.4**
- **EN 55032:2015/A11:2020**
- **EN 55035:2017/A11:2020**
- **EN IEC 61000-3-2:2019/A1:2021**
- **EN 61000-3-3:2013/A2:2021/AC:2022-01**

■ **Test Report No.:**

- **Radio : GETEC-E2-24-038**
- **Health : GETEC-E2-24-038**
- **EMC : GETEC-E2-24-039**
- **Safety : KR248DEP 001**

List of test reports and/or certificate verified compliance with the standards above

■ **Radio equipment Directive**

- **Certificate No. :**
- **Certificate Body :**

Date of issue **:** **Jul. 04, 2024**

Name and signature of authorized person :



Austin Kim / CEO
S-Tech Won Inc.

TEST REPORT

Order Number	**: GETEC-C1-24-229**
Test report Number	**: GETEC-E2-24-038**
Type of Equipment	**: Touch Screen Controller**
Model Name	**: TDC-8300**
Trade Mark	**: URC**
Applicant	**: S-Tech Won Inc.**
Applicant Address	**: Sanggadong-303, 423, Sanho-daero, GUMI-SI, GYEONGSANGBUK-DO, 39243, REPUBLIC OF KOREA**
Serial Number	**: Prototype**
Date of Incoming	**: Apr. 15, 2024**
Date of Issue	**: Jul. 04, 2024**

SUMMARY

This device has been verified to comply with the requirement of following regulation.

-. ETSI EN 300 328 V2.2.2
-. ETSI EN 300 440 V2.2.1
-. AS/NZS 4268 (2017)
-. ETSI EN 301 893 V2.1.1
-. EN 62479 (2010)

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.
It is not a generally valid assessment of the features of the respective products of the mass-production.

The test results of the (*) marked tests are outside the scope of accredited by KOLAS.
The test results in this report are traceable to the national or intentional standard.

It is not allowed to copy this report even partly without the approval of Gumi University EMC center.

Tested by: Jong-Wook Park / Senior Engineer
GUMI UNIVERSITY EMC CENTER

Approved by: Hyun Kim / Technical Manager
GUMI UNIVERSITY EMC CENTER

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