



APPENDIX H
: USER'S MANUAL



TDC-5100

Owner's Manual



Total Control

Introducing the TDC-5100

Thank you for purchasing URC's TDC-5100 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 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



Technical Support

Toll Free: 800-904-0800

Main: 914-835-4484

techsupport@urc-automation.com

Hours: 9:00am - 5:00pm EST M

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Features and Benefits

The TDC-5100 In-Wall Network Keypad 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-5100.



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Parts List

The following is included in the box:

1 TDC-5100

2 Charging Dock

3 USB-C Cable

4 Power Supply



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The TDC-5100

- A. **Microphone Array:** Two (2) microphones are built into the top of the TDC-5100, allowing for exceptional audio capture when using Alexa or intercom features.
- B. **Camera:** A single camera is used for all video functions.
- C. **Proximity Sensors:** These dual sensors allow the keypad to sense users within close proximity to it.
- D. **Light Sensor:** Monitors the ambient light level of the room, so the LCD can auto adjust to the perfect brightness.
- E. **Microphone Button:** This is used for accessing voice control or Intercom/Door Station interaction.
- F. **Speaker:** 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, directly beneath the microphone button, is the reset button. A single press power cycles the keypad. Holding the button for twenty (20) seconds **Factory Defaults** the keypad.
- H. **Battery Cover:** Slide the battery cover down to remove the battery cover, so the battery can be connected to the TDC-51000



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Alexa Features

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

- **Microphone Button:** Press and hold the microphone button on the TDC-5100 to speak to Alexa. Double-tap the button to turn on or off the microphone.
- **Microphone Button Notification Colors:** Alexa notifications are reflected on the TDC-5100 through the Microphone Button. It is able to glow several different colors, informing the user of package deliveries, new deals, and various other information.
 - **Blue:** The microphone is enabled.
 - **Cyan:** Announcements.
 - **Purple:** Do Not Disturb is enabled.
 - **Red:** Microphone is off.
 - **Yellow:** Messages/notifications.



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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-5100. Allows from the adjustment of Date, Time, and Temperature Scale.
- **Sound:** Adjust the volume of the audio feedback when pressing buttons on the interface.
- **Brightness:** Allows for the adjustment of the LCD screen's brightness.
- **Pickup Sensor:** Allows the sensitivity of the pick up sensor to be adjusted
- **Proximity Sensor:** Allows for the adjustment of the proximity level.
- **System:** Provides general information such as memory used, current version, and version details.
- **Network:** Allows for the setting of Wi-Fi, Dynamic or Static IP address for the TDC-5100 and also gives general info about the network.
- **Power:** Set when to be notified of low battery power.
- **Voice Assistant:** Settings for Amazon Alexa.
- **Factory Default:** Allows the TDC-5100 to be reset to its factory state.
- **Intercom:** Allows the configuration of the Audio/Video Intercom



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Sleep Settings

Below are the setting choices available in this menu:

1. **LCD Screen is Always On:** When selected, the TDC-5100's display never turns off.
2. **LCD Screen will Turn Off:** When selected the Turn Off After section is selectable. Choose from a 20 second, 30 second, or one (1) minute time out.
3. **LCD Screen will Display a Night Mode:** When selected the Start After and Duration option become active.
 - **Start After:** The TDC-5100 times out based on the value entered here and goes into Night Mode.
 - **Duration:** The TDC-5100 turns off Night Mode after the value entered here.



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General

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

1. **Date:** The following can have its value changed:
 - Month
 - Day
 - Year
2. **Time:** The following can have its value changed:
 - Hour
 - Minutes
 - Seconds
 - AM/PM
 - 12 Hour/24 Hour
3. **Automatically Adjust Clock for Daylight Savings:** Check this box to have the TDC-5100 automatically adjust for daylight savings.
4. **Temperature Scale:** Set this either to Fahrenheit or Celsius.



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Sound

Press the minus (-) button to lower the TDC-5100's audio levels or press the plus (+) button to increase them. Additionally, dragging the slider to the left or right decreases or increases the audio level.

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



Brightness

Press the minus (-) button to lower the TDC-5100's display brightness or press the plus (+) button to increase the brightness. Additionally, dragging the slider to the right increase the display brightness while dragging it to the left decreases it.

- **Brightness Level:** How bright the screen is when in use.
- **Night Mode Brightness Level:** How bright the screen is when in Night Mode.
- **Mic Backlight Brightness Level:** How bright the mic button appears.
- **Enable Light Sensor:** The TDC-5100 is equipped with an ambient light sensor that can automatically adjust the display brightness. Check the box to enable this feature.
- **Camera LED Status:** For the privacy minded user, a notification light may be enabled to show when the camera **is or is not in use** on the TDC-5100.



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Proximity Sensor

Press the minus (-) button to lower the sensitivity on the TDC-5100's Proximity Sensor or press the plus (+) button to increase the sensitivity. Additionally, dragging the slider to the right increases the sensitivity while dragging it to the left decreases it. The maximum distance of the proximity sensor is about three (3) feet.

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



System Information

Although none of the information can be modified, this System Information page displays important information about the TDC-5100. This information is only needed by a custom installation professional or URC Technical Support.



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Network

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-5100 failing to function correctly.

Here is the information that can be displayed here:

1. **Connection:** Displays the status of the network connection, connected or not connected.
2. **TCP/IP:** Displays information such as Address Type (DHCP or Static), IP Address, Subnet Mask, Gateway, and DNS.

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.



Voice Assistant

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



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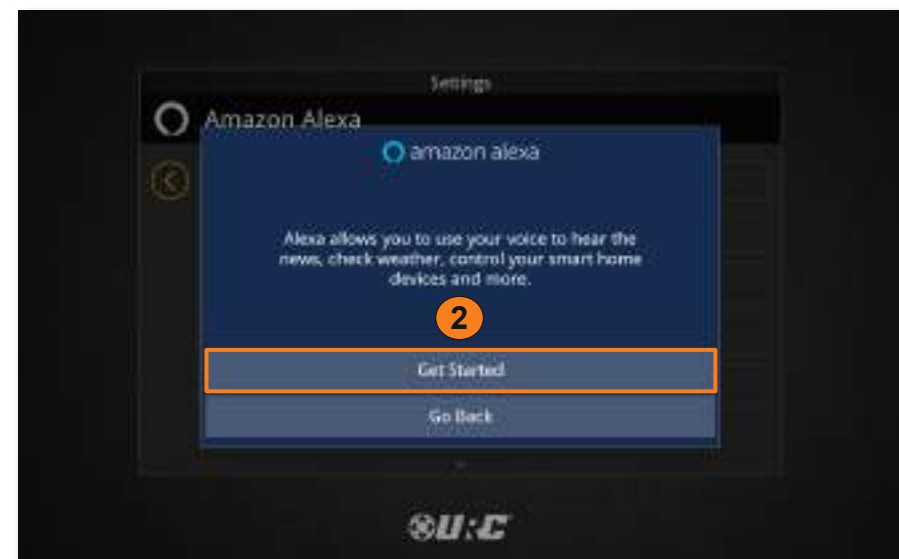
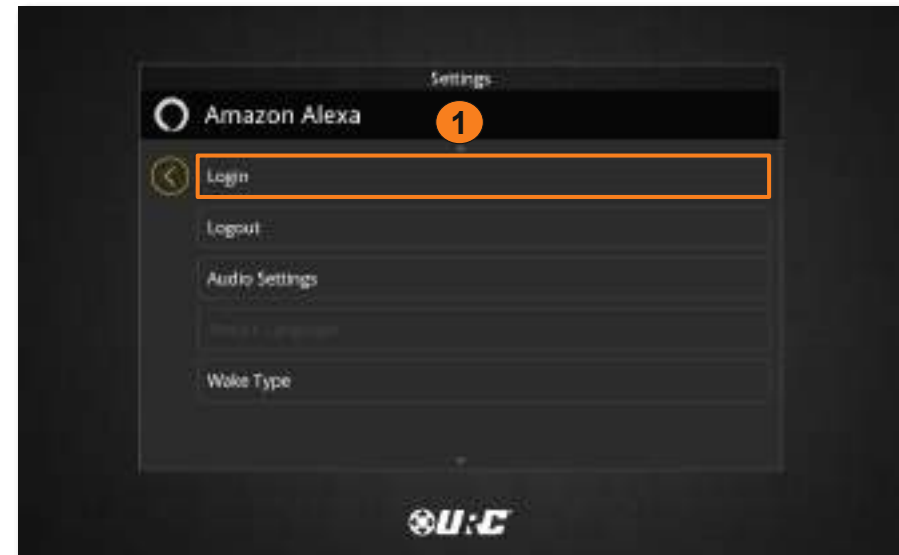
Alexa Voice Assistant

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

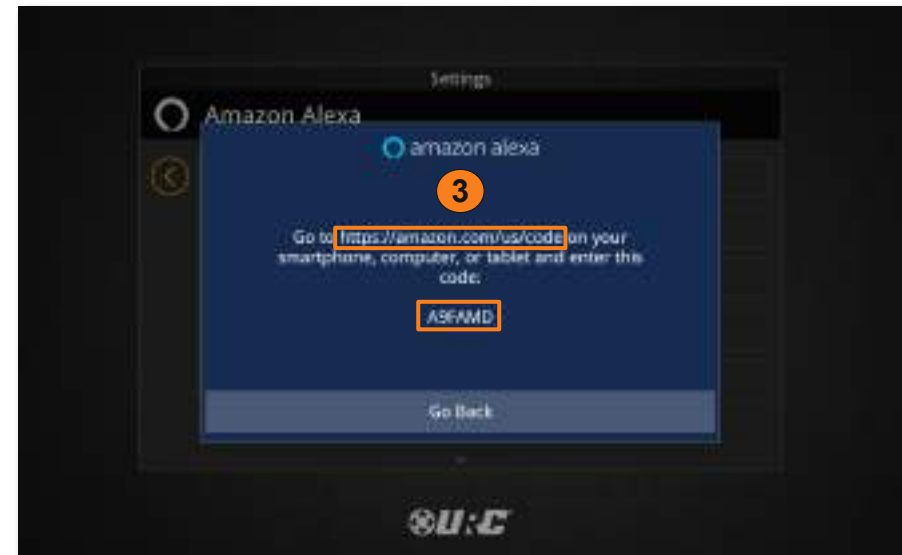
To use Alexa, the TDC-5100 **must be added** to an Amazon account. This **requires** the use of a **web browser** to complete. Perform the following to **enable** Alexa:

1. Select **Login**.
2. A new window appears, explaining the benefits of enabling the Alexa Voice Assistant. Select **Get Started**.
3. A new window appears and provides a **device code**. This code will need to



be entered on **Amazon's website** at www.amazon.com/us/code.

4. After logging into your Amazon account, enter the provided **device code** to register the TDC-5100 to the account.
5. A permissions page appears, providing a summary of Alexa's services.

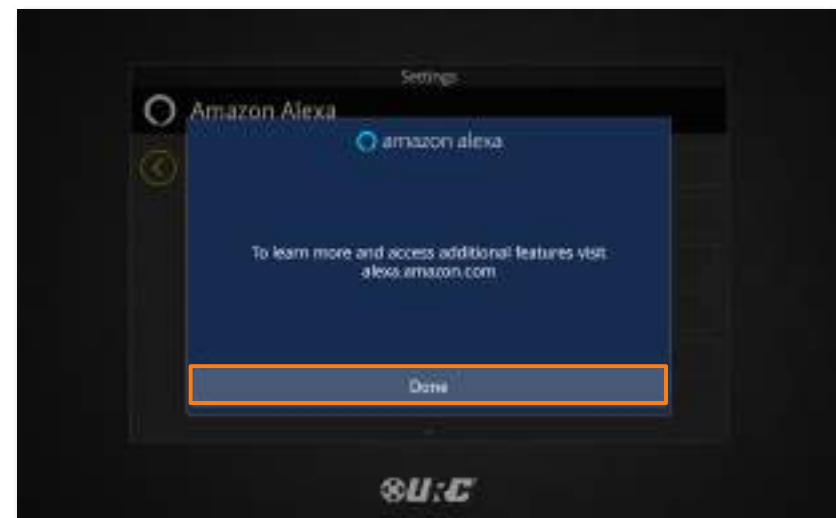


Select **Allow** to complete the process.

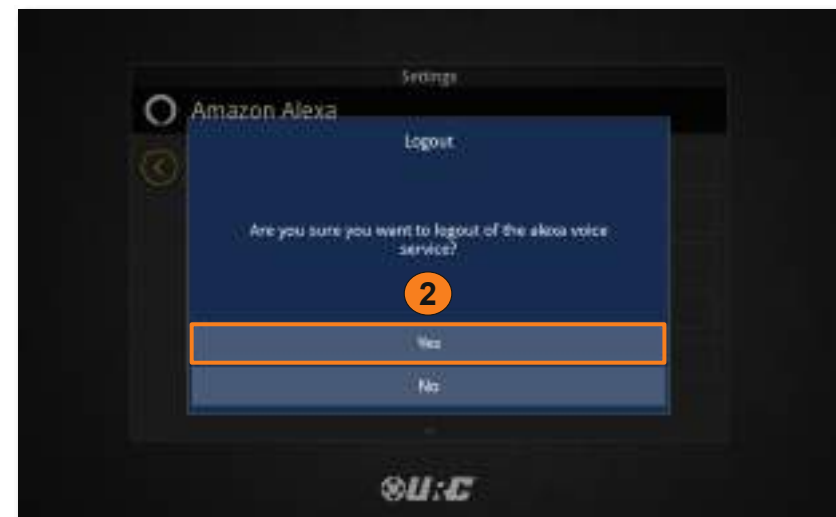
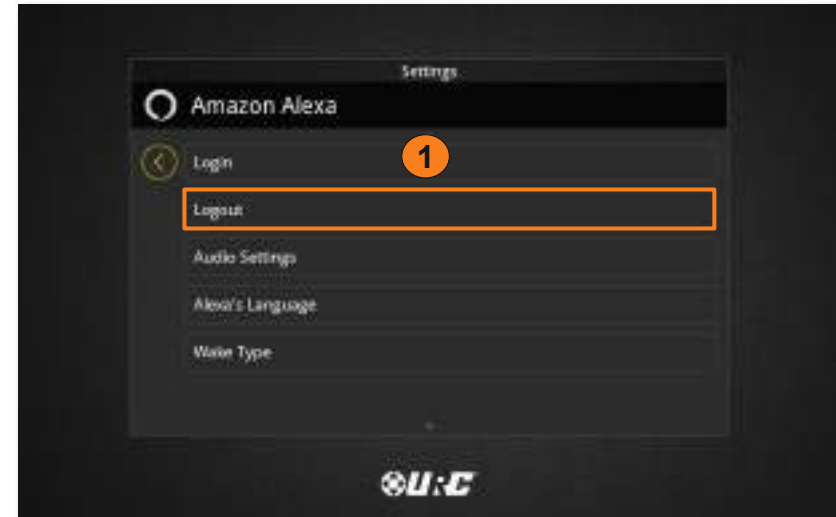
- The registration process is now **complete**. Return to the **TDC-5100** to finish the process.
- Select **Next** to move through the tip screens. On the third screen, select



Done to complete the login process.



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Logout

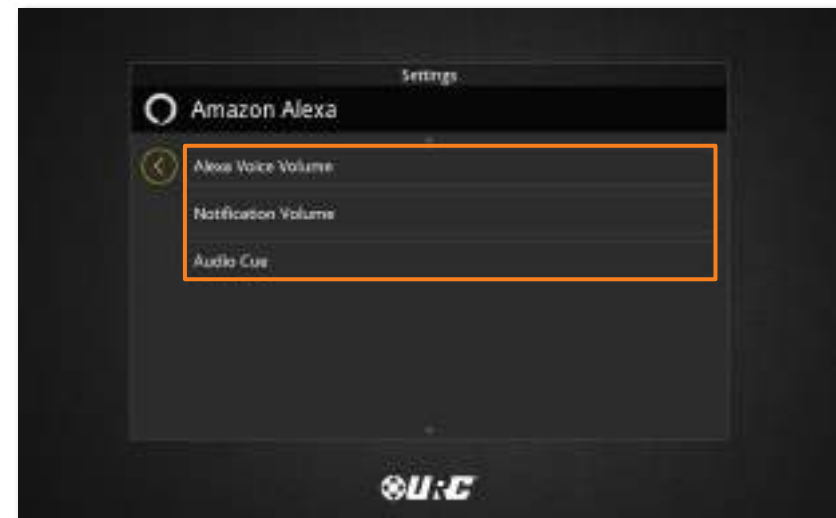
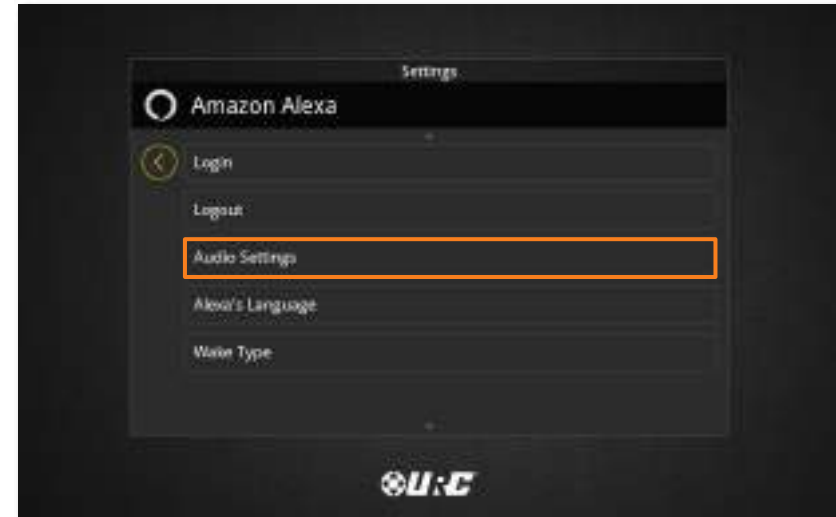
To **disable** the Alexa Voice Assistant, perform the following:

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

3. The TDC-5100 returns to the **Voice Assistant** menu. When **enabled**, a green icon appears on the **right side** of the button.



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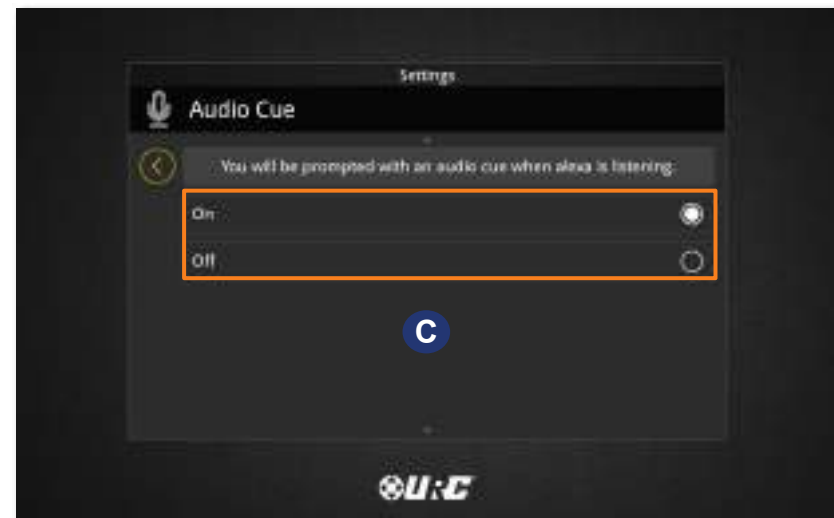
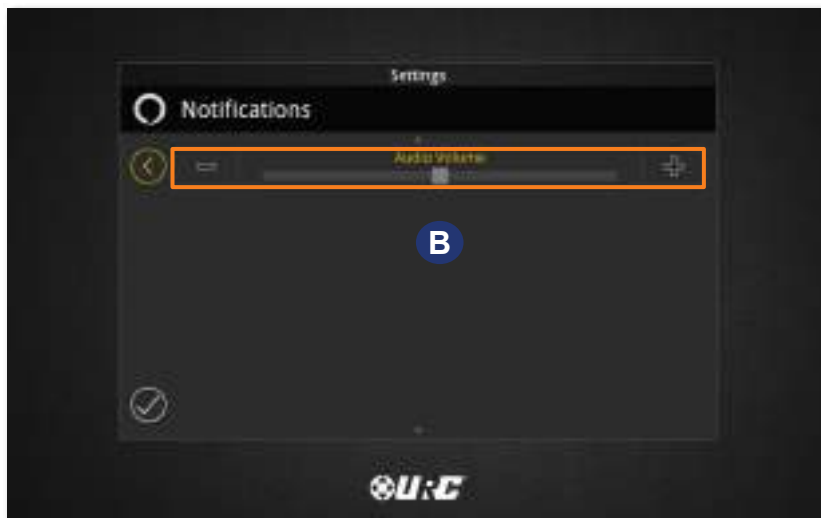
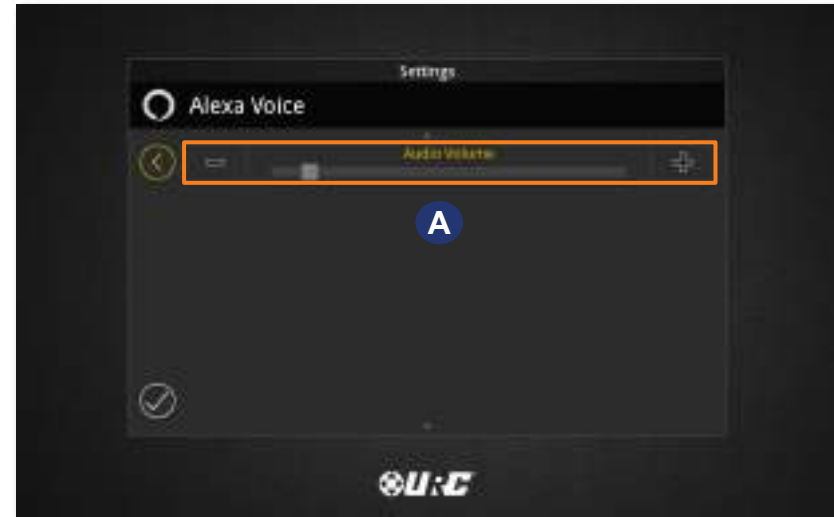
Audio Settings

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.

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- B. **Notification Volume:** How soft or loud Notification audio will play.
- C. **Audio Cue:** Enable or disable the audio cue when Alexa is listening.



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Language

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



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Wake Type

Provides a few options for how Alexa is **accessed** through the TDC-5100.

- **Wake Word:** Alexa is activated vocally with her wake word.
- **Push To Talk:** Alexa is activated with the microphone button.
- **Both:** Both the wake word and push to talk will activate Alexa.
- **None:** Neither the wake word or push to talk are enabled.



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-5100 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**.



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Removing the TDC-5100 from an Amazon Account

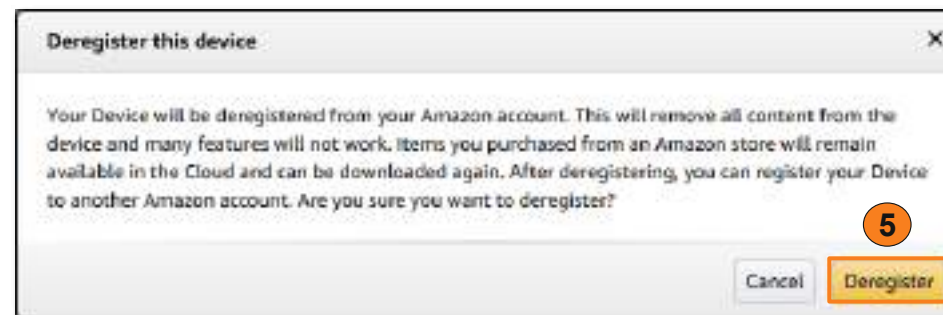
Perform the following from the Amazon website to remove a device from an account:

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-5100**.



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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.



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Specifications

These are the technical specifications for the TDC-5100:

Microprocessor: ARM Cortex-A32 Core 1.5GHz x 4

RAM: 8GB eMMC, DDR4 2GB

LCD: 5.0" TFT LCD (540 x 960), 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: 4Hours

Power: 2.0A / 5.0V

Operating Temperature: 0~50°C (non-condensing)

Size: 8.27in x 4.41in x 1.28in

Weight (with battery loaded): 11.5oz

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.

Total Control

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 will not be using your remote control for an extended period of time, please remove the battery.
- Do not attempt to disassemble, 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-off site, please visit www.rbc.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 of modification 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-5100 is in compliance with the Radio Equipment Directive 2014/53/EU."

Declaration of Conformity

<https://www.urc-automation.com/legal/DoC/TDC-5100>