

Configurations for iPad

For Technology Coordinators

For Digital Tests in the SAT[®] Suite of Assessments

Fall 2021

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Prepared by Cambium Assessment, Inc.



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Configurations for iPad

This document contains configurations for your network and iPad.

How to Configure iPad for Online Testing

This section contains configurations for iPad.

How to Install SecureTestBrowser on iPad

The SecureTestBrowser app is CAI's customized web browser designed for taking tests. For instructions on how to install SecureTestBrowser on single iPad devices, visit the [Digital Preparedness > Secure Browser Installation](#) page on the College Board microsite.

About Assessment Mode

A feature in iPadOS called Assessment Mode (AM) (formerly known as Automatic Assessment Configuration (AAC)) works with CAI's Secure Browser to lock down an iPad for online testing. Users in the field need to do nothing to set up AM. Once the Secure Browser is launched on an iPad, AM kicks in automatically.

For more information about AM, including a list of features it disables, please visit <https://support.apple.com/en-us/HT204775>.

In addition to AM disabling features listed at the URL above, there are a few additional features in iPadOS that must be disabled prior to the administration of online testing. These features, which are listed below, should not be available to students without an accommodation and AM does not currently block them.

About Mobile Device Management (MDM) Software

Some configurations listed below may be possible through third-party mobile device management (MDM) software. If you use MDM software and your MDM software is capable of these configurations, you are welcome to use it to configure iPad devices that will be used to administer online testing. For more information, please consult the documentation for your specific MDM software.

How to Disable Voice Control

iPad devices have access to a feature called Voice Control that is not automatically disabled by Assessment Mode (AM) (formerly known as Automatic Assessment Configuration (AAC)). Voice Control allows iPad users to control an iPad using voice commands. If this feature is enabled on iPad devices that are used for testing, students may be able to access unwanted apps, such as web browsers, during a test.

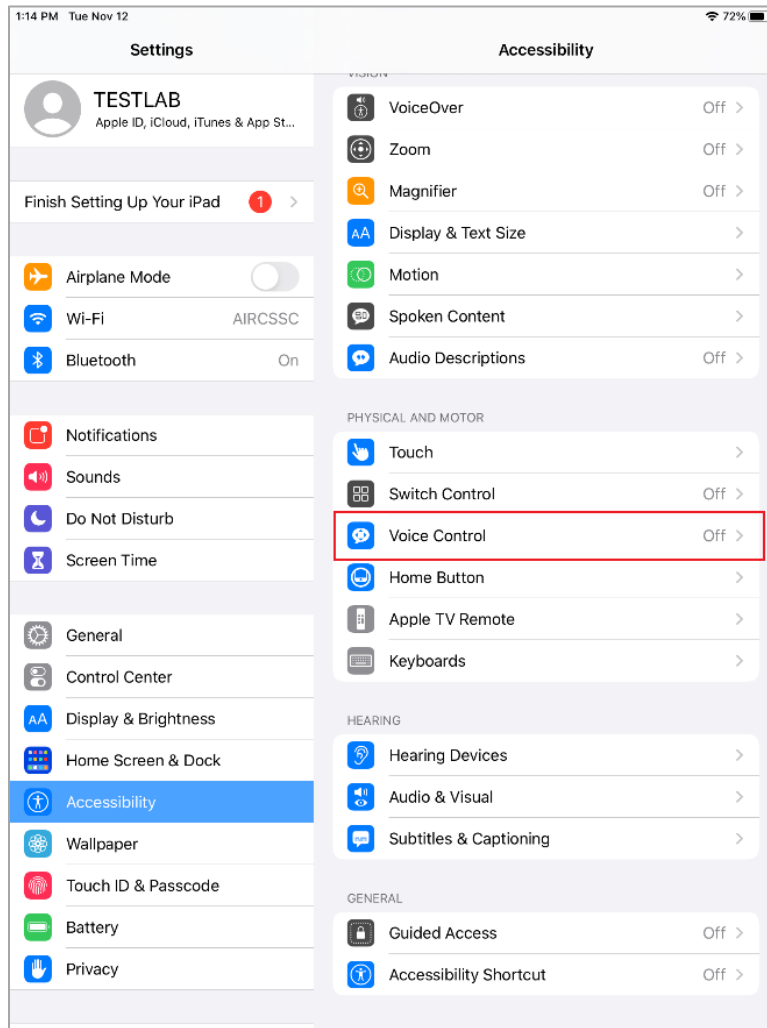
Voice Control is disabled by default. If it has never been enabled on an iPad, you have nothing to do. If it has been enabled, you must disable it before a student takes a test.

1. Select **Settings**.
2. Select **Accessibility**.

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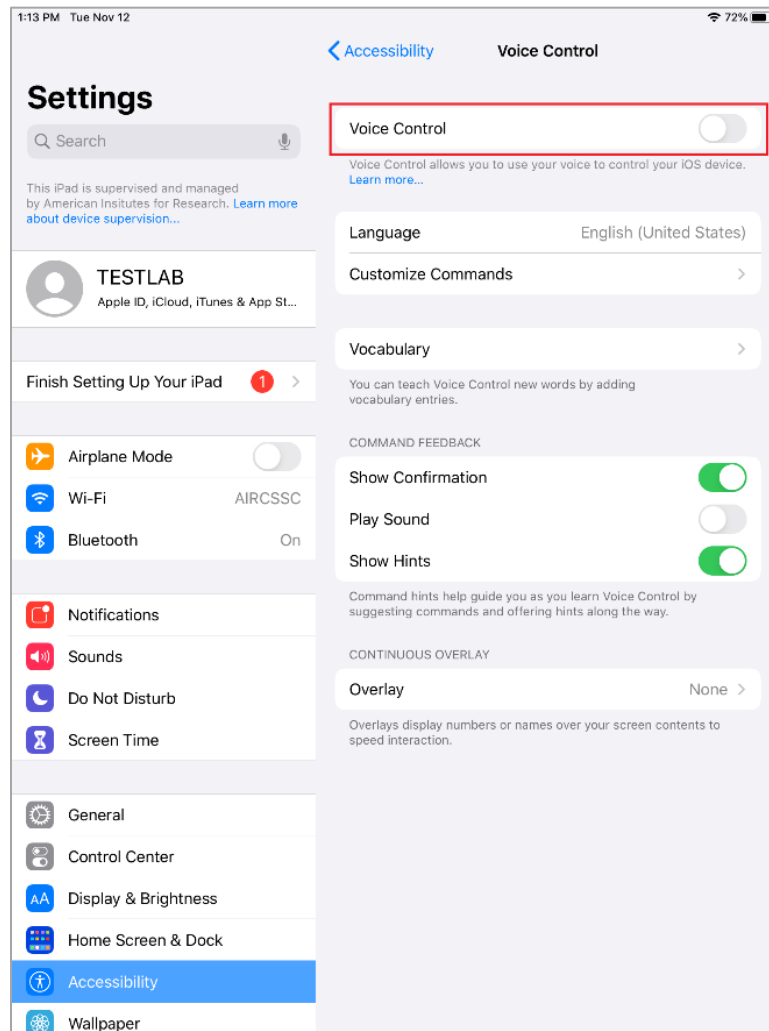
3. Select **Voice Control**.

Figure 1. Accessibility Settings – Voice Control



4. Toggle the **Voice Control** switch to the left to disable Voice Control.

Figure 2. Voice Control Settings

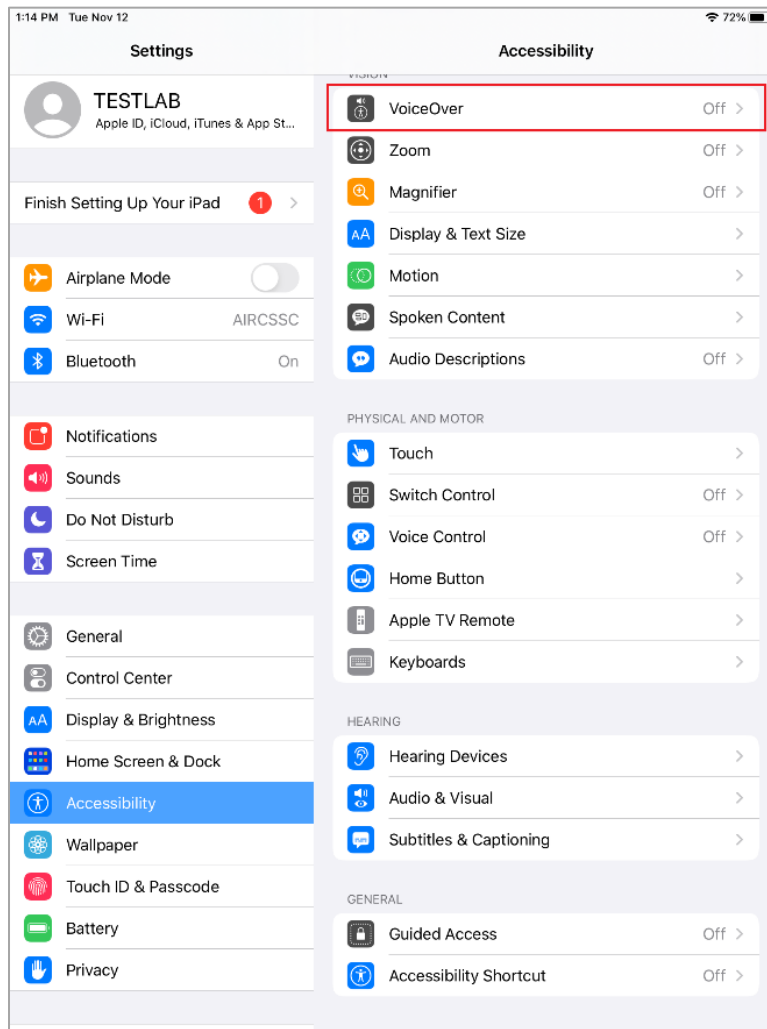


How to Disable VoiceOver

iPad devices have access to a feature called VoiceOver that is not automatically disabled by Assessment Mode (AM) (formerly known as Automatic Assessment Configuration (AAC)). VoiceOver is a gesture-based screen reader that allows users to receive audible descriptions of what is on the screen of their iPad. VoiceOver also changes touchscreen gestures to have different effects and adds additional gestures that allow users to move around the screen and control their iPad. If VoiceOver is not disabled on iPad devices that are used for testing, students may be able to access unwanted apps during a test. This feature should not be available to students without an accommodation.

1. Select **Settings**.
2. Select **Accessibility**.
3. Select **VoiceOver**.

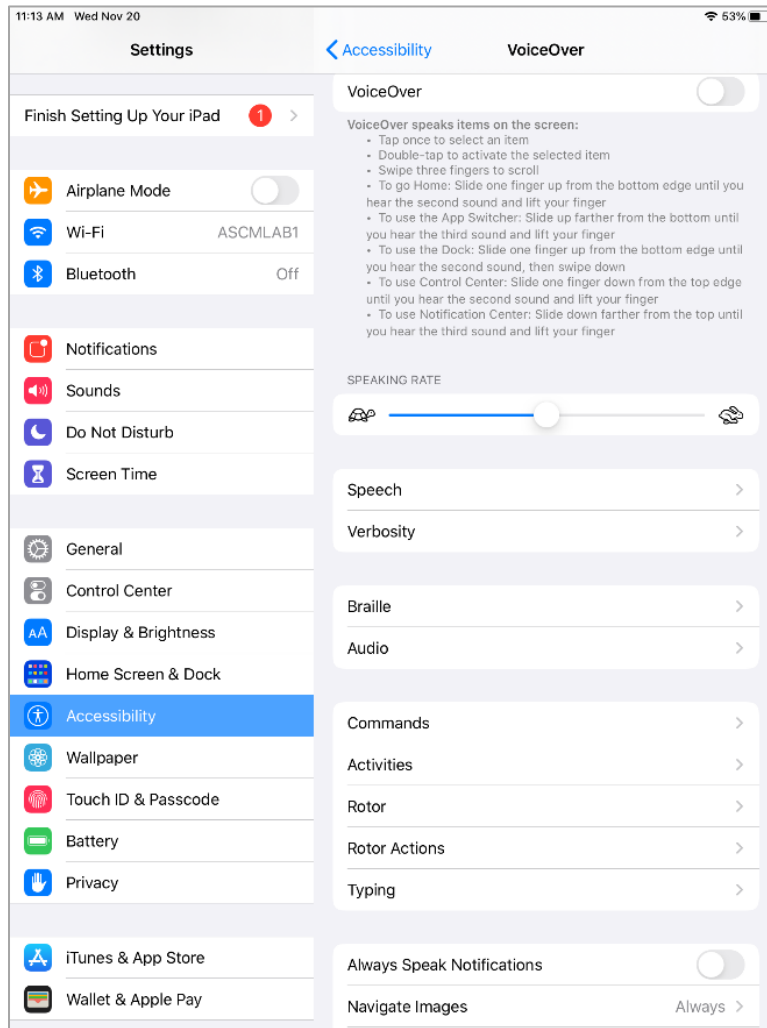
Figure 3. Accessibility Settings - VoiceOver



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4. Toggle the **VoiceOver** switch to the left to disable VoiceOver.

Figure 4. VoiceOver Settings



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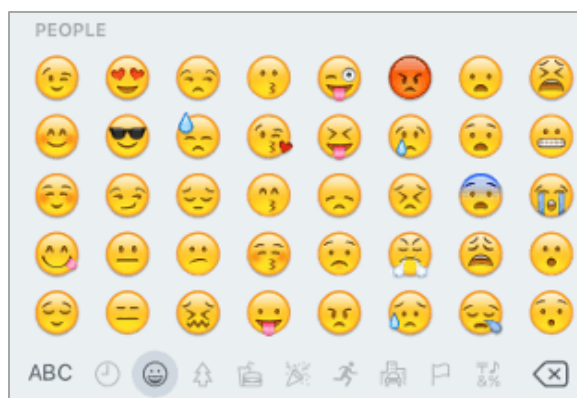
How to Disable the Emoji Keyboard

Emoticons are characters that express an emotion or represent a facial expression, such as a smile or a frown. Some text messaging apps replace sequences of characters with an emoticon, such as replacing :-) with 😊.

iPadOS has an Emoji keyboard that contains emoticons. This keyboard, if activated, can be confusing for test-takers or scorers. Use the following procedure to remove the emoji keyboard from an iPad.

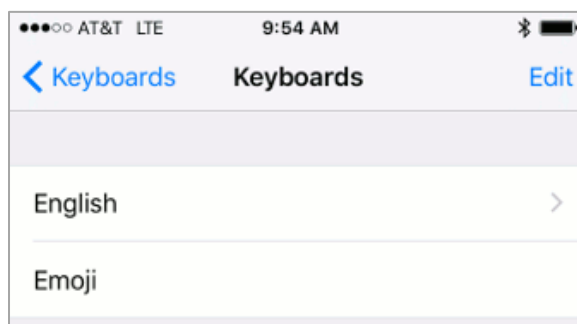
For Spanish tests, the emoji keyboard will need to be enabled because of its connection to accented characters.

Figure 5. Emoji Keyboard



1. Select **Settings**.
2. Navigate to > **General** > **Keyboard**.
3. Select **Keyboards**.
4. Delete **Emoji** from the list by sliding it to the left and selecting **Delete**.

Figure 6. Keyboards



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How to Manage iPadOS Automatic Updates

This section describes how to manage iPadOS automatic updates. CAI recommends disabling iPadOS automatic updates so your iPad devices are not updated to a version that is not yet supported. To disable automatic updates on individual iPad devices, see Apple's instructions at <https://support.apple.com/en-us/HT202180#automatic>. You can also use MDM software to disable updates on multiple iPad devices at once. For more information, see the section [About Mobile Device Management \(MDM\) Software](#).

How to Configure Networks for Online Testing

This section contains additional configurations for your network.

Resources to Add to the Allowlist for Online Testing

This section presents information about the URLs that CAI provides. Ensure your network's firewalls are open for these URLs. If your testing network includes devices that perform traffic shaping, packet prioritization, or Quality of Service, ensure these URLs have high priority.

URLs for Non-Testing Sites to Add to the Allowlist

[Table 1](#) lists URLs for non-testing sites, such as Test Information Distribution Engine and Online Reporting System.

Table 1. CAI and AIR URLs for Non-Testing Sites

System	URL
Portal and Secure Browser installation files	https://digitaltesting.collegeboard.org/
Single Sign-On System	https://sso3.cambiumast.com/auth/realms/collegeboard/account
Test Information Distribution Engine	https://cb.tide.cambiumast.com
For 2021-2022, users should add both the Cambium and AIR URLs listed in this table to the Allowlist.	https://sso3.airast.org/auth/realms/collegeboard/account https://cb.tide.airast.org

Note: When you are accessing these sites, please use the Cambium URLs. Only use the AIR URLs when adding them to the Allowlist. More information below.

URLs for TA and Student Testing Sites to Add to the Allowlist

Testing servers and satellites may be added or modified during the school year to ensure an optimal testing experience. As a result, CAI strongly encourages you to add these URLs to the Allowlist at the root level. This requires using a wildcard. CAI strongly encourages using wildcards when adding these URLs to your allowlist, as servers may be added or removed from the field without notice.

Table 2. CAI and AIR URLs for Testing Sites

System	URL
TA and Student Testing Sites	*.cambiumast.com

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For 2021-2022, users should add both Cambium and AIR URLs listed in this table to the Allowlist.	<ul style="list-style-type: none"> *.tds.cambiumast.com *.cloud1.tds.cambiumast.com *.cloud2.tds.cambiumast.com *.cambiumtds.com *.airast.org *.tds.airast.org *.cloud1.tds.airast.org *.cloud2.tds.airast.org
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URLs for Online Dictionary and Thesaurus to Add to the Allowlist

Some online assessments contain an embedded dictionary and thesaurus provided by Merriam-Webster. The Merriam-Webster URLs listed in [Table 3](#) should be added to the allowlist to ensure that students can use them during testing.

Table 3. CAI URLs for Online Dictionaries and Thesauruses

Domain Name	IP Address
media.merriam-webster.com	64.124.231.250
www.dictionaryapi.com	64.124.231.250

Domains for Email Exchange Server and Single Sign-On System

CAI systems send emails for password resets and login codes for the single sign-on system from cambiumast.com and from cambiumassessment.com. Add both domains to your Allowlist to ensure you receive these emails.

Ports and Protocols Required for Online Testing

[Table 4](#) lists the ports and protocols used by the Test Delivery System. Ensure that all content filters, firewalls, and proxy servers are open accordingly.

Table 4. Ports and Protocols for Test Delivery System

Port/Protocol	Purpose
80/TCP	HTTP (initial connection only)
443/TCP	HTTPS (secure connection)

How to Configure Filtering Systems

If the school's filtering system has both internal and external filtering, the URLs for the testing sites (see [Table 1](#)) must be added to the allowlist in both filters. Ensure your filtering system is not configured to perform packet inspection on traffic to CAI servers. Please see your vendor's documentation for specific instructions. Also, be sure to add these URLs to the allowlist in any multilayer filtering system (such as local and global layers). Ensure all items that handle traffic to *.tds.cambiumast.com and *.tds.airast.org have the entire certificate chain and are using the latest TLS 1.2 protocol.

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How to Configure for Domain Name Resolution

[Table 1](#) and [Table 2](#) list the domain names for CAI's testing and non-testing applications. Ensure the testing machines have access to a server that can resolve those names.

Customer Service and Support

If this document does not answer your questions, please contact the College Board.

College Board School Day Customer Service

Phone: 855-373-6387

Follow the prompts for digital testing and listen to the options for your area of concern. Support options include the following:

- General College Board assessments questions and policies
- Technical support with CAIs digital testing systems, such as TIDE or TA Interface

Email: schooldayassessments@collegeboard.org

If you are calling for technical support, you will be asked to provide as much detail as possible about the issues you encountered.

Include the following information:

- Test coordinator name and IT/network contact person and contact information
- Registration numbers of affected students. Do not provide any other student information as doing so may violate FERPA policies.
- Test Session ID for the affected student tests
- Operating system and browser version information
- Any error messages and codes that appeared, if applicable
- Information about your network configuration:
 - Secure browser installation (to individual machines or network)
 - Wired or wireless Internet network setup

For further information, visit www.collegeboard.org.