

AD Reader

USER GUIDE





AbleDocs ADReader User Guide

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What is ADReader?

AbleDocs ADReader is a unique PDF document reader for the Google Android and Apple iOS device platforms. ADReader is focused on providing a friendly and customizable document navigation experience for accessible PDFs on mobile devices. With ADReader, you can read accessible PDFs in a reflowing, resizable, and reactive view that provides document content access to Android TalkBack and iOS VoiceOver capabilities to support screen reading.

What is an accessible PDF file?

A PDF file can include information about the meaning of the file's visual contents for use with assistive technology (AT) and for use in creating alternate presentations for the file. These presentations may feature altered visual layout for increased readability, may be audio-based presentations such as having a document read aloud to a user, or may take the form of other ways of presenting the information in the PDF file. We call such files accessible PDF files in this user guide. Accessible PDF files are those that conform to the ISO 14289-1 PDF/UA PDF accessibility standard.

ADReader opens accessible PDF files in its accessible PDF viewing mode. In this mode, you can control the font size, font family, and font and background colours, for viewing. You can switch between the accessible PDF viewing mode and a fixed-layout viewing mode that presents PDF pages as they were visually authored. You can change the viewing mode for accessible PDF files between accessible and fixed-layout views at any time. For example, you can navigate to page in an accessible PDF file in the fixed-layout view based on a visual marker, then switch back to the accessible PDF view to read the PDF contents in a continuously flowing scroll view with their set presentation preferences.

If the PDF file is not accessible, it opens in the fixed-layout viewing mode. PDF files that are not accessible PDF files are only viewable in the ADReader fixed-layout viewing mode.

How to tell if a file is an accessible PDF file

When you open a PDF file in ADReader, it will open in accessible PDF viewing mode if it is an accessible PDF file. You know that you are in the accessible PDF viewing mode if you see a selectable icon in the top menu bar of the application. (It looks like an app window with a lock.) You can click this icon to change the viewing mode.

Other PDF files will be opened in fixed-layout viewing mode. In this mode, there is a non-selectable PDF icon in the top menu bar. You cannot change the viewing mode for the document.

PDF files that are valid PDF/UA files will open as accessible PDF file in AbleDocs ADReader. If you are running Microsoft Windows, you can use the PDF Accessibility Checker (PAC 2021) to determine if a PDF file is PDF/UA compliant.

For more information on PAC 2021 please visit <https://pdfua.foundation>.



Screenshot: ADReader initial file view of an accessible PDF file



Screenshot: ADReader initial file open view of a non-accessible PDF file

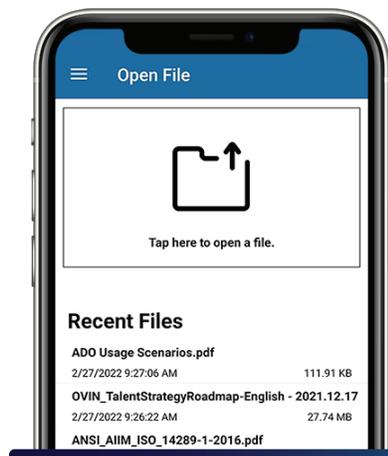
Viewing PDF files with ADReader

Opening PDF files from ADReader

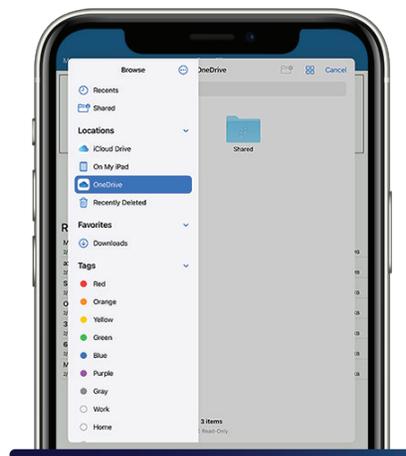
When starting the ADReader application, the open file dialogue will display. This menu allows you to open a file on your device by tapping in the top portion of the screen. You may also re-open a file you recently opened in ADReader by selecting a recently opened file from the Recent Files section of this menu.

Tapping the open file icon brings up a menu you can use to find PDF files on your device or in other applications. From this menu, ADReader may open files from:

- File storage applications that ADReader is aware of, such as Google Drive and Microsoft OneDrive
- Downloaded files on the device
- Files present on the device's storage in folders accessible to ADReader
- Files recently opened in ADReader



Screenshot: Open File dialog menu



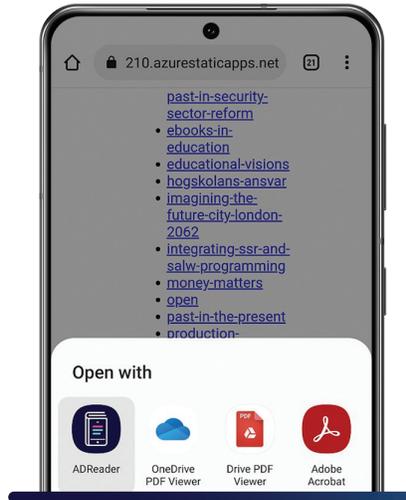
Screenshot: iOS Browse dialog from Open file menu

NOTE: your list of file sources may be different than those shown here.

Opening PDF files from other applications

When you install ADReader on Android or iOS devices, the application is registered as a PDF viewer. This means that when you open a PDF file from applications such as the Google Chrome web browser, ADReader is one of the options for viewing the file.

On Android: to open a PDF file with ADReader from another application, navigate to the PDF file link, open the link, and in the “Open with” dialog box, select “ADReader”.



Screenshot: Android Open with dialog showing ADReader as application to open PDF file with

On iOS: To open a PDF file with ADReader from another application, navigate to the PDF file, select the Send icon, and select “ADReader”.



Screenshot: iOS send to application icon with ADReader icon displayed as share target

Viewing and navigating accessible PDF files

When you open an accessible PDF file in ADReader, the contents are presented in the accessible PDF view. PDF files open in this view are responsive to user gesture control in a similar manner to a web page opened in a web browser

Navigation in the accessible PDF view is easy. Simply swipe up from the bottom of the screen to move forward (down the document) and swipe down from the top to move backwards.

You can change the size of the text by using pinch gestures:

- to increase the text size, use an opening pinch gesture. Start with two fingers together in the center of the screen and move them away from each other.
- to decrease the text size, use a closing pinch gesture. Start with two fingers away from each other and bring them together in the center of the screen.

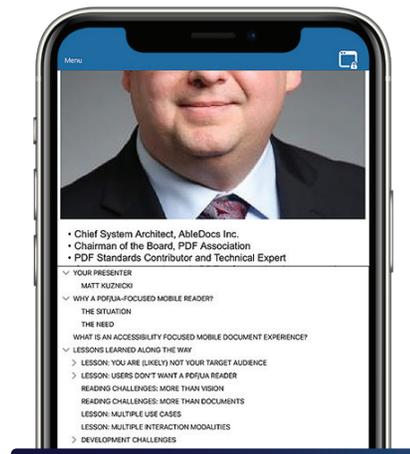
Because ADReader loads accessible PDF text content in parallel with loading images, at times you may encounter placeholder graphics for images that have not been loaded. This may happen if you quickly navigate deep into large documents. ADReader will automatically replace these placeholder images with their images from the document once processed. This is done so that accessible PDFs can be opened faster.

Navigating by document headings

You may navigate accessible PDF files using the headers defined in the document. Open the ADReader application menu and select Headings Menu. The PDF display into two portions. The upper portion continues to show PDF content, while the lower portion shows headings that are present in the PDF file.

To navigate the list of headings, use a single-finger swipe gesture up to move forward in the list, and a single-finger gesture down to move backwards. You may expand headings that display a caret character to see the sub-headings defined under a heading by selecting the caret to expand the display. To go to the location of a heading list item, select the item and the ADReader accessible PDF display will jump to the location of the heading list item, with the display being moved so that the start of the heading list item is at the top of the accessible PDF display.

NOTE: Not all PDF files have bookmarks defined. For files that do not have any bookmarks included, ADReader will present an alert note to indicate no outlines are present.

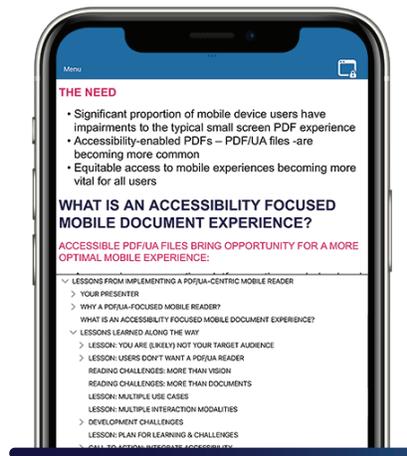


Screenshot: headings navigation menu for accessible PDF document

Navigating by document bookmarks

You can navigate accessible PDF files using the bookmarks (outlines) defined in the document. In the ADReader application menu, select "Bookmarks Menu". The PDF display is split into two portions. The upper portion continues to show PDF content, while the lower portion shows bookmarks that are present in the PDF file. The split display will look very similar to the split display for headings navigation.

To navigate the list of bookmarks, use a single-finger swipe gesture up to move forward in the list, and a single-finger gesture down to move backwards. You may expand bookmark entries that display a caret character to see the bookmark entries defined within a bookmark (for example, portions of a book chapter) by selecting the caret to expand the display:



Screenshot: ADReader bookmarks menu display with expanded bookmark subitem list

To jump to the document location defined by the bookmark, select the item and the ADReader accessible PDF display will jump to the location for the bookmark, with the display being moved so that the start of the bookmarked content is at the top of the accessible PDF display.

NOTE: Not all PDF files have bookmarks defined. For files that do not have any bookmarks included, ADReader will present an alert note to indicate no bookmarks are present.

Navigating external website links

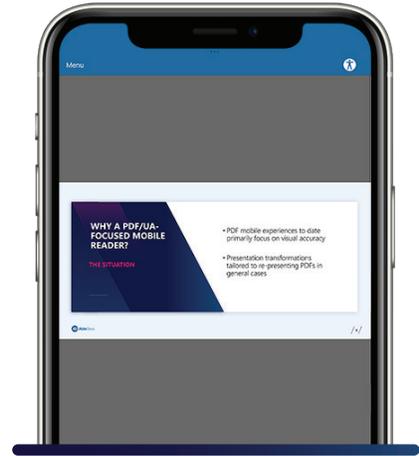
You may open external website links in ADReader's accessible PDF viewing mode. To do so, tap or select the website link to open. The website link will open in the system web browser in a separate window. Website links are not opened in ADReader. ADReader remains open as a separate application and may continue to be used for document reading. Website links must be http: or https: links to be opened; other types of external links are not supported by ADReader.

Changing the PDF viewing mode

When viewing an accessible PDF file, you may change the file viewing mode from the accessible PDF viewing mode to the fixed-layout viewing mode. To do this, in the top menu bar of the application, select the "window with lock" icon.

For details about navigating PDF files in the fixed-layout PDF document view, see Viewing other PDF files in this user guide.

To change an accessible PDF file back to accessible PDF viewing mode, in the application menu bar, select the "person in circle" accessible PDF viewing mode icon.

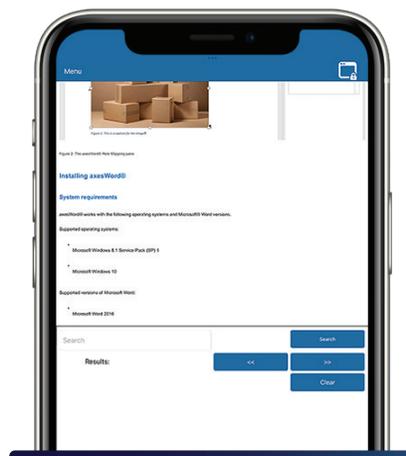


Screenshot: ADReader fixed-layout view for accessible PDF with icon to change to accessible view

Searching PDF files

You may use ADReader to search for words or phrases in PDF files. To do so, select the Search Menu from the application menu. ADReader will display a search dialogue in the bottom half of the view screen to allow searching.

Enter the phrase – part of a word, a whole word, or several words – to search for and hit the Search button to search the open PDF file. ADReader will highlight instances of the search phrase in the PDF display in the top half of the display. You may navigate to found instances using the PDF display, or by using the "<<" (previous result) and ">>" (next result) navigation keys. You may dismiss the search dialogue by tapping in the PDF display.



Screenshot: ADReader search dialogue

Viewing other PDF files

When a non-accessible PDF file is opened in ADReader, ADReader provides a warning alert that the PDF file opened is not an accessible PDF file. The icon in the ADReader top display bar becomes a non-clickable PDF view icon to indicate that the file is not an accessible PDF file:



Screenshot: ADReader initial file open view of a non-accessible PDF file

In the fixed-layout PDF view, ADReader presents PDF pages scaled to fit the device display. You may zoom in on the page using a two-finger pinch gesture, pinching open from the center of the screen outwards. You may zoom out on the page using a two-finger pinch gesture, pinching closed two fingers in to the center of the screen. If the page is enlarged so that it does not fit in the device display, you can pan the page by dragging your finger on the screen.

To reset the page display, rotate the device from portrait to landscape view, or from landscape to portrait view.

At the bottom of the fixed-layout PDF view there is a navigation bar with the following functions:

- Next and previous page navigation with the left-caret and right-caret characters
- The current page number being displayed
- + and - buttons to increase and decrease the current page display zoom
- A field to enter a page number to go to, via the "Go To" option in the navigation bar

Customizing the accessible PDF view

You can customize the accessible PDF view to suit your needs. In the ADReader application menu, select “Settings”. This opens a list of settings that you can select for the ADReader accessible PDF view:

- **Font Colour:** A selection of named colors is provided by ADReader. The option to use the documents’ text colours is also provided. When a color is selected, ADReader will display text in that colour in the accessible PDF view. When the “Use Document Color” is selected, ADReader will use the colours for text that are in the PDF file.
- **Font Size:** A selection of relative font sizes, from small to the device platform sizing, through large and to largest size, is provided by ADReader. The option to use the text size defined in documents is also provided. When a relative text size is selected, ADReader will resize text to the relative text size chosen. When “Use Document Size” is selected, ADReader will use the font text sizes that are in the PDF file.
Note: Text may be resized when viewing a PDF document in accessible view mode using pinch gestures. For more information, see Viewing and navigating accessible PDF files in this user guide.
- **Font Family:** You may select between the Arial, Courier New and Times New Roman font families for displaying PDF documents in the accessible PDF view mode.
- **Background Colour:** A choice between white, grey, and black background colours is provided by ADReader. The selected color will be used for the background of the accessible PDF view display.

To return to the document display and continue viewing the currently open PDF, select the ADReader option from the application menu.

Note: ADReader presents different settings when the device is in light display mode and when in dark display mode. Changing the settings only changes the settings for the currently active mode. Activate light or dark mode in your Android or iOS display settings to change the device display mode.

Providing feedback on ADReader

AbleDocs welcomes your feedback and suggestions on ADReader! Please feel free to email us at adreader-feedback@abledocs.com.

If you would like more information about AbleDocs or to contact AbleDocs for general inquiries, please visit us at <https://www.abledocs.com>.

