NLS Digital Advanced Player 2 (DA2) User Guide

Table of Content

Section 1: Welcome!

Welcome to the User Guide for your new NLS Digital Advanced Player 2 (DA2). This document will guide you through the various features the player has to offer, detail where the buttons are located and their functions, and describe how to use the player and read books.

Section 2: Contents of the Box

When you open the box for your DA2, here is what you will find:

- A series of instruction sheets
- A power supply with the attached power cord
- The DA2 player
- Packing materials

The instruction sheets, in large print, include important safety instructions and a Quick Start Guide. A Quick Start Guide embossed in braille is also included. All instruction sheets should be saved for your reference.

Your player came packaged inside a protective plastic bag between a top and bottom pulp tray. Please save these packaging materials, including the box, in case you ever need to return your player for servicing.

Section 3: Orientation and Physical Description

Position the device so that the cartridge port is located on the front side closest to you, the handle is on the left side, and the USB ports are on the right side.

Figure 1: DA2 with a cartridge being inserted into the port on the front side and all buttons on the top face

3.1: Top

The top face of the device contains all the buttons. It can be divided in six sections: the speaker on the top left, the six audio control buttons to the right of the speaker, the three advance control buttons below the speaker, the five navigation control buttons in the middle, the Power button on the right, and finally, the four playback audio control buttons closest to the cartridge port.

Let's explore each item on the top of the device. The function of each button will be explained later in a separate section of the user guide.

The speaker is an indented circle in the top left corner. To the right of the speaker are six buttons. They are in two rows with three columns. Each of the six buttons is shaped with the rounded edge of the top row of buttons pointing up and the rounded edge of the bottom row of buttons pointing down.

Directly to the right of the speaker are Tone up and down buttons. The two buttons are white. There is a letter T in braille to the left of the buttons and the word "Tone" is printed between them.

To the right of the Tone up and down buttons are the Volume up and down buttons. The two buttons are yellow. There is a tactile V-shaped arrow on each button, a letter V in braille to the left of the buttons, and the word "Volume" is printed between them.

To the right of the Volume up and down buttons are the Speed up and down buttons. The two buttons are white. There is a letter S in braille to the left of the buttons and the word "Speed" is printed between them.

Below the speaker and to the right of the handle is a vertical row of three buttons.

The first of these buttons, directly below the speaker, is the Bookshelf button. The button is a white square with three raised vertical lines. The letters SF are in braille above the button and the word "Shelf" is printed to the right of the button.

Below the Bookshelf button is the Bookmark button. It is a white diamond with one raised vertical line. The letters MK are in braille above the button and the word "Mark" is printed to the right of the button.

Below the Bookmark button is the Mode button. It is a yellow circle with a raised round dot. The letters MD are in braille above the button and the word "Mode" is printed to the right of the button.

At the center of the face of the player, below the buttons for Tone, Volume, and Speed, are five navigation control buttons that form a cross.

In the middle of the cross is the Info button. It is an orange square with the letter I in braille on it. It is the only button on the DA2 that does not have a print label.

Above the Info button is the Up arrow. It is a white button with a raised, filled triangle pointing up. There is a letter U in braille to the left of the button and the word "Up" is printed to the right of the button.

Below the Info button is the Down arrow. It is a white button with a raised, filled triangle pointing down. There is a letter D in braille to the left of the button and the word "Down" is printed to the right of the button.

To the left of the Info button is the Left arrow. It is a white button with a raised, filled triangle pointing left. There is a letter L in braille to the left of the button and the abbreviation "Prev" is printed below the button.

To the right of the Info button is the Right arrow. It is a white button with a raised, filled triangle pointing right. There is a letter R in braille to the right of the button and the word "Next" is printed below the button.

The Power button is a half-inch to the right of the Right arrow button. It is a circle with a raised round rim on the outside. The button is clear when the DA2 is powered off and glows green when it is powered on. There is a letter P in braille above the button and the word "Power" is printed below the button.

Finally, between the navigation cross and the front side of the player, there are four buttons for playback audio control.

The uppermost of these buttons is the Sleep button. It is directly below the Down arrow of the navigation control buttons. The Sleep button is a white circle with a raised crescent moon shape on

its right side. There is a letter S in braille to the left of the button and the word "Sleep" is printed to the right of the button.

Below the Sleep button is the Play/Stop button. It is a green square with a depressed rounded circle in the middle. Below the button are the letter P in braille and the word "Play" in print.

To the left of the Play/Stop button is the Rewind button. It is white with a square right edge and a raised and rounded left edge. There is a letter R in braille to the left of the button and the letters RW are printed below the button.

To the right of the Play/Stop button is the Fast Forward button. It is white with a square left edge and a raised and rounded right edge. There is a letter F in braille to the right of the button and the letters FF are printed below the button.

3.2: Front

The front side of the DA2 mostly consists of the opening where the book cartridge is inserted.

3.3: Left Side

The left side of the DA2 mostly consists of the handle. The handle starts near the middle of the left side and goes all the way to the front of the unit.

3.4: Right Side

The right side of the DA2 has three elements.

Closest to the back is the USB-C port used to charge the device and connect it to a computer.

Moving forward is the USB-A port for connecting a flash drive or USB keyboard.

In front of that is the 3.5 mm headphone jack.

3.5: Back Edge

The back edge of the DA2 has a print label containing the make, model, and a barcode.

3.6: Bottom

On the bottom or underside of the DA2 are four rubber feet near each corner, a sticker with print information about FCC regulations, and the battery panel.

Section 4: Introducing your New DA2

4.1: Charging the Player

To charge the player, unfold the power cord and plug the USB-C end into the charging port on the player. This is located on the right side near the back of the player. Plug the power supply into a power outlet. Note: If the device is off, charging the player will also power it on.

4.2: Powering the Player On and Off

In addition to powering on the device by charging it, you can also press and hold the Power button until the startup jingle is played. To power off the player, press and hold the Power button until the DA2 says "Shutting down, please wait." The Power button is located on the right side of the player. It is a circle with a raised round rim on the outside, is clear when powered off, and glows green when powered on. There is a letter P in braille above the button.

If you need to restart the player after powering it off, press and hold the power button.

4.3: Checking the Battery Status

There are two ways to check the battery status.

Method one: To quickly check the battery status while the device is on, press and hold the Mode button. The Mode button is located near the front left of the player. It is a round yellow button with a raised circular dot and the letters MD in braille above it.

Method two: Open the DA2 menu by pressing and holding the Info button until you hear the message "entering menu." Then use the left arrow to go to Battery Info and press the Info button to hear this information

4.4: Key Describer Mode

This player has a Key Describer Mode. When it is active, it provides the name and a description of each button when the button is pressed. When the player is turned on for the first time, the device will go into the Key Describer Mode. There are two methods to turn the Key Describer Mode on and off.

Method one: When the player is turned on for the first time or there are no books on the Bookshelf (either in the DA2's internal memory or on external devices such as a cartridge or USB flash drive), the device will go into Key Describer Mode.

If Key Describer Mode is turned on through method one, you will need to turn it off by pressing the Mode button several times to go to another mode such as NLS BARD. Pressing Mode again to go back to the empty Bookshelf will turn the Key Describer Mode on.

Method two: At any time, press and quickly release the Power button to turn on Key Describer Mode. Note that if you press and hold the Power button too long, you will turn the unit off. This is a toggle, which means that if you used this method to turn on this mode, you would press it again to turn it off.

Section 5: Bookshelf

The Bookshelf allows you to manage currently available titles. This includes titles from the internal memory, a cartridge (if connected), and a USB drive (if connected).

To access the Bookshelf, press the Bookshelf button, located directly below the speaker. It is a white square with three raised vertical lines and has the letters SF in braille above the button. Alternatively, press and hold the Play/Stop button, located near the front of the player. It is a green square with a depressed rounded circle in the middle and has a letter P in braille below it.

When in the bookshelf, you will be on a list of available titles to read. To go to the previous title, press the Left arrow or Rewind button. The Rewind button is located to the left of the Play/Stop button.

To go to the next title, press the Right arrow or Fast Forward button. The Fast Forward button is located to the right of the Play/Stop button.

To go to the first title, press and hold the Rewind button. To go to the last title, press and hold the Fast Forward button.

To get more information about the current title, press the Info button, located in the middle of the cross. It is an orange square and has a letter I in braille on it. To play the current title, press the Play/Stop button.

While on a list of available titles to read, to delete the current title, press the Bookmark button, located on the left side of the player between the Bookshelf and Mode buttons. It is a white diamond with one raised vertical line and the letters MK in braille above it. Press the Info button to confirm or any key to cancel.

5.1: Choosing a Title to Read

You can browse available titles to read from three possible sources: the internal memory, a cartridge, or a USB drive.

5.1.1: Internal Memory

Books in the internal memory always appear in the Bookshelf. To access books in your internal memory, press the Bookshelf button.

5.1.2: Cartridge

If you insert an NLS cartridge containing an audio title while the player is on and in the Bookshelf or Book reader, the DA2 will ask if you want to copy the book from the cartridge to internal memory. Pressing Info will copy the book, while pressing any other key will cancel the operation.

If you choose not to copy from the cartridge, the player will start playing the first title, or the most recent title if there are multiple titles on the cartridge. While a title is playing, users can choose another title by pressing the Bookshelf button, the Mode button, or by holding the Play/Stop button to bring up a list of available titles to play.

Note: if you insert a cartridge while in another mode like NLS BARD, you will get the message that a cartridge is inserted, but you will not be asked to copy to internal memory. The player will also not play a title automatically.

In addition to getting cartridges with titles mailed to you, you can get your own cartridges and copy books from your computer to the cartridge. For more information, read Section 10.2, Copying Titles to a Cartridge.

5.1.3 USB Drive

When a USB drive containing audio titles is connected, go to Bookshelf, and titles from the USB drive will be added in the list. For information about copying titles from your computer to a USB drive, read Section 10.3, Copying Titles to a USB Drive.

Section 6: Controls for Reading a Title

6.1: Play/Stop

Press the Play/Stop button once to start playing the book. The Play/Stop button is located near the front of the player. It is a green square with a depressed rounded circle in the middle and has a letter P in braille below the button. If the book is already playing, you can press this same Play/Stop button to stop playing the book.

6.2: Rewind and Fast Forward

The Rewind button is located to the left of the Play/Stop button. The Fast Forward button is located to the right of the Play/Stop button. These buttons are used to move the reading position backward and forward by a specific amount of time.

- Press the Rewind or Fast Forward buttons to go back or forward by five seconds.
- Press and hold the Rewind or Fast Forward buttons to go back or forward by larger amounts of time. Release on the desired spoken amount (20 seconds, 1 minute, 5 minutes, 15 minutes, 30 minutes, 1 hour, 2 hours, etc.).

When working with the Rewind and Fast Forward buttons, if the title is not playing, audio playback does not resume automatically. Activate the Play/Stop button to resume playback. If audio is already playing, playback starts from the new location.

6.3: Sleep Timer

The Sleep timer is used to automatically stop audio playback after a specific amount of time or at the end of a navigation point. The Sleep button is located near the front of the device. It is directly below the Down arrow and above the Play/Stop button.

6.3.1 Available Options with the Sleep Button

1. 15 minutes
2. 30 minutes

3. 45 minutes
4. 60 minutes
5. End of section (navigation point for current level such as section, part, chapter, article, recipe, etc.)
6. Off

6.3.2: Setting a Sleep Timer for a Specific Amount of Time

1. Pressing the Sleep button once sets it for 15 minutes. (If the title was not playing before pressing the Sleep button, this starts the audio.)
2. Pressing the Sleep button repeatedly cycles through the available options.
3. Press the Sleep button until you hear the amount of time you want for the Sleep timer. (The Sleep timer is now set for that amount of time.)

6.3.3: Setting a Sleep Timer for the End of a Navigation Point

To set a Sleep timer to go to sleep at the end of the current navigation point (section, part, chapter, article, recipe, etc.):

1. While in the audio title you want, use the Up and Down arrows to go to the desired level. (Different titles will have different types of navigation.)
2. When on the desired level, press the Sleep button until you get to end of section. (The Sleep timer is now set for the end of the specific navigation point.)

6.3.4: Stopping the Sleep Timer

There are two methods to stop the Sleep timer:

Method one: Press the Play/Stop button to stop the Sleep timer as well as the audio playback.

Method two: Press the Sleep button until you hear the off option. This method stops the Sleep timer but does not stop audio playback.

6.4: Tone, Volume, and Speed

On the top half of the player, there are two rows with three columns of buttons. From left to right, these buttons are Tone up and down, Volume up and down, and Speed up and down.

Directly to the right of the speaker are the Tone buttons. They are two white buttons stacked vertically that are smooth semicircles pointing up and down and have a letter T in braille to their left.

The yellow Volume buttons are stacked vertically in the center. There is a tactile V-shape arrow on each one and a letter V in braille to their left.

The Speed buttons are located to the right of the Volume buttons. They are two smooth white buttons shaped like semicircles pointing up and down and have a letter S in braille to their left.

You can use the Tone buttons to adjust the tone of the reading voice. You can use the Volume buttons to adjust the volume of the output of the player. Finally, you can use the Speed buttons to adjust the speed of the reading voice.

Note: When you are in the Book reader with an audio title open, the Speed buttons will adjust the speed of the audio playback. When you are not in an opened audio title, the Speed buttons will adjust the speaking rate of the Text to Speech (TTS) voice.

6.5: Advanced Navigation with the Four Arrows

You can navigate an audio title by various increments using the arrow keys on the navigation cross, which is located near the center of the player. This is an orange square button with the letter I in braille and four arrows located above, below, to the left, and to the right.

1. Use the up and down arrows to choose a navigation option.
2. When on the desired navigation option, use left and right arrows to move to the previous and next options.

Available navigation options include:

- Different levels determined by the audio title (may include multiple levels such as section, part, chapter, article, recipe, etc.)
- Phrase: a very small section of audio, usually a few sentences.
- Bookmark: allows you to navigate to beginning of book, end of book, and any bookmarks that you inserted for the current title.
- Time Jump 5 minutes: allows for navigating through a book backwards or forwards by 5 minute increments.

6.6: Working with Bookmarks

A bookmark is used to remember reading positions to read later, such as an interesting passage or a favorite recipe. Each title has its own bookmarks, and the player remembers bookmarks even if you turn it off.

6.6.1: Inserting a Bookmark

When reading a book, it is possible to quickly insert a bookmark for future reference. The Bookmark button, on the left side of the player between the Bookshelf and Mode buttons, is a white diamond with one raised vertical line and the letters MK in braille above it. To insert a bookmark, do the following:

1. Press the Bookmark button while a book is playing at the position where you want the bookmark.
2. When the button is pressed, a message that a bookmark has been inserted with the corresponding bookmark number is announced. For example, if adding the first bookmark to a book, the message "bookmark one inserted" will be announced. Any subsequent presses will announce the bookmark added message with the most recent bookmark always having the next numerical value.

6.6.2: Navigating to Existing Bookmarks

To navigate to a previously added bookmark, do the following:

1. With a book open, press the Up or Down arrows until you hear the bookmark option.
2. You are now in bookmark navigation and can move through the bookmarks by pressing the Left or Right arrows to move forward or backward through the list.

If audio is already playing before navigating bookmarks, the book will automatically play at the location of a bookmark after announcing the bookmark number.

If audio was not playing before navigating bookmarks, the book will play a 10 second preview starting from the bookmarked location. You can then either navigate to other bookmarks or press the Play/Stop button to start playback from the current bookmark.

6.6.3: Deleting Existing Bookmarks

To delete a bookmark from within the current book, do the following:

1. Press the Play/Stop button to stop playback if you are already playing audio.
2. Use the Up or Down arrows to find the bookmark option.
3. Use the Left and Right arrows to navigate to the bookmark you want to delete and press the Bookmark button.

The player will prompt you to delete the selected bookmark. Press the Info button to delete the bookmark or any other key to cancel.

When a bookmark is deleted, the other bookmarks will retain their numeric values as they were inserted. For example, if you have four books and delete bookmark two, your remaining bookmarks will be bookmarks one, three and four.

6.7: The Undo Function

While playing an audio title, if you unintentionally move forward or backward by pressing the Left or Right arrow, it is possible to "undo" this action and return to the original place. To do this, select the button of the opposite action within 10 seconds. For example, if you are reading Chapter 4 and accidentally press the Right arrow and jump to Chapter 5, press the Left arrow within 10 seconds to return to your previous location within Chapter 4.

Section 7: Text Input Mode

You will automatically enter Text Input Mode when it is time to type text. This includes setting up Wi-Fi, logging in to your BARD account, and performing searches. You can type text with the buttons on the DA2 or by connecting a supported USB keyboard.

7.1: Type Text with the DA2

When you enter Text Input Mode, the DA2 will tell you how to use the various buttons to type text.

7.1.1: List of Button Functions for Typing Text

- Use the Up and Down arrows to navigate through the current list of characters one item at a time or press and hold for quick navigation.
- Press the Bookmark key to switch between different character lists, such as lowercase letters, uppercase letters, numbers, and symbols.
- Press the Sleep button to insert the character at the current position.
- Press the Play/Stop button to review typed text. The DA2 will first read what is typed and then spell it.
- Use the Rewind button to delete the previous character.
- Use the Fast Forward button to delete the next character.
- Use the Left and Right arrows to review and edit typed text.
- Press the Info button to confirm typed text.
- Press the Mode button to cancel text input.

7.1.2: Key Describer for Typing Text

You can also turn on key describer for Text Input Mode by doing the following:

1. While in Text Input Mode, press the power button once quickly. The DA2 will say "entering Key Describer Mode."
2. Press the different buttons to learn what they do while in Text Input Mode.
3. When you are finished, press the power button once quickly to exit Key Describer Mode. You are now ready to type text again.

7.2: Type Text by Connecting a USB Keyboard

While in Text Input Mode:

1. If you have a USB A keyboard, connect it to the USB A port on the right side of the DA2.
2. If the USB keyboard is supported, the DA2 will say "USB keyboard connected."
3. Use the USB keyboard to type text. Confirm with the info button on the DA2.
4. When the USB keyboard is no longer needed, disconnect it from the USB A port of the DA2.

Section 8: The DA2 Menu

The DA2 menu contains options that control specific player functions. To access the menu, press and hold the Info button until you hear the message "entering menu". The Info button is an orange square and has a letter I in braille on the button itself. When you first open the menu, you are at the main level, which includes the following options:

1. Book reader (opens the Book Reader Mode and exits the menu)
2. NLS BARD (opens the NLS BARD Mode and exits the menu)
3. Settings (opens the submenu with more options)
4. Battery Info (reads the battery info, focus stays on the battery info option)

8.1: Working with the Menu

1. Press and hold the Info button until you hear the message "entering menu."
2. Use the left or right arrows to move forward or backward through menu options.
3. To choose a menu option, press the Info button.
4. To go back to the previous menu level or exit the menu, press the Up arrow.

If you press the Up arrow after you open a submenu, you will go back to the previous level. If you are in the main menu, pressing the Up arrow will exit the menu.

8.2: Book Reader

The Book Reader Mode allows you to choose a book from the Bookshelf and then read and navigate the content. For more information, read Section 5, Bookshelf, and Section 6, Controls for Reading a Title.

8.3: NLS BARD

The NLS BARD Mode allows you to use the DA2 to search, browse, download, and manage titles from the Braille and Audio Reading Download (BARD) online service. Before you can use the NLS BARD Mode on the DA2, you must first connect the DA2 to Wi-Fi, have an active BARD account, and log in to the DA2 with your BARD email and password. For help with Wi-Fi, read Section 9.1, Wi-Fi Setup. For help with typing information such as Wi-Fi password, email address, or BARD password, read Section 7, Text Input Mode. For help with using the NLS BARD Mode on the DA2, read Section 11, NLS BARD Mode on the DA2.

8.4: Settings Submenu

The Settings submenu is the third option from the main menu and contains the most options, including:

1. User Settings (opens the submenu with more options)
2. Voice Selection (opens the submenu with more options)
3. Airplane Mode (turns the mode on or off)
4. Wi-Fi (opens the submenu with more options)
5. NLS BARD Settings (opens the submenu with more options)
6. Bluetooth (opens the submenu with more options)
7. Date and Time (opens the submenu with more options)
8. Software Update (opens the submenu with more options)
9. About (opens the submenu with more options)
10. Resets menu (opens the submenu with more options)
11. Close (closes the settings submenu and goes back to the main menu)

8.4.1: User Settings

The User Settings submenu has the following choices:

1. Wireless Notifications (on by default): enables announcements when the player is connected to a wireless network. Press Info to toggle this item.
2. Verbose Mode (on by default): Verbose Mode controls how much information is given. For example, when using Key Describer Mode with Verbose Mode off, when you press the

Bookshelf button the player will say "Bookshelf." If Verbose Mode is on, it will say "Bookshelf. Press once to go to the list of books. Press and hold to enter or exit the user guide. While in book list, press twice quickly to sort books."

3. Skippable Elements: opens a submenu that displays elements that can be navigated. There is also a Show All option and a Toggle option. Toggle allows you to enable/disable the elements that appear.
4. Configure USB keyboard key binding: if a USB keyboard is connected, you can open this submenu to map the buttons on the player to keys on the keyboard.
5. Key Mapping: opens a submenu that displays the default functions of the player's buttons and allows for remapping if desired.
6. Media Transfer Protocol (MTP) (off by default): allows the player to appear as a removable drive when connected to a PC for transferring titles. MTP must be on for this functionality to be present.
7. Keyboard echo: allows you to set what is spoken when entering text.
8. Close: closes the User Settings submenu and goes back to the Settings submenu.

8.4.2: Voice Selection

This submenu allows you to preview available voices and choose a default voice for your player. For more information, read Section 9.2, Preview and Install Additional TTS Voices.

8.4.3: Airplane Mode

This is off by default. When enabled, it will not allow wireless or Bluetooth connections.

8.4.4: Wi-Fi

This submenu allows you to manage and connect to wireless networks. For more information, read Section 9.1, Wi-Fi Setup.

8.4.5: NLS BARD Settings

This submenu has the various options you can configure for the results from the NLS BARD Mode. Press the Info button to change these settings.

1. Sort options (title by default): this includes title, author, and date added.
2. Show braille books (off by default): this allows books from the braille collection to be displayed in search results.
3. Download Wish List automatically (off by default): allows you to choose the number of books to be downloaded automatically from the Wish List. Once the DA2 automatically downloads the chosen number of books, it will not automatically download again until one of the previously automatically downloaded books is deleted.
4. Close: closes the NLS BARD settings submenu and goes back to the Settings submenu.

8.4.6: Bluetooth

Access this submenu to connect your player to an external Bluetooth device, such as headphones or speakers. For more information, read Section 9.3, Bluetooth Connection Setup.

8.4.7: Date and Time

Options in this submenu allow you to change the date and time on the DA2. For more information, read [Section 9.4, Date and Time Setup](#).

8.4.8: Software Update

The Software Update submenu has the following options:

1. Automatic check (on by default)
2. Check for update: initiates a manual connection to the update server.
3. Back: closes the software updates submenu and goes back to the Settings submenu.

8.4.9: About

The About submenu has the following:

1. Version: provides the current software version loaded on your player
2. Model: such as "DIGITAL ADVANCED PLAYER 2"
3. Serial number: unique number for the current unit
4. Internal space available: provides the amount of space that is left in the internal memory for downloading titles
5. Total capacity: provides the total amount of space in the internal memory for downloading titles
6. Copyright
7. Information: informs the user of the software the libraries used by the product
8. Licenses
9. Close: closes the about submenu and goes back to the Settings submenu

8.4.10: Resets Menu

If your player needs to be reset, or you are advised to do so by support personnel, you will find the following options in the Resets submenu:

1. Clear profile
2. Clear User Data
3. Factory Reset
4. Close: closes the About submenu and goes back to the Settings submenu

8.5: Battery Info

The last item in the main menu of the DA2 is Battery Info. To get this information, do the following:

1. To access the menu system, press and hold the Info button until you hear the message "entering menu."
2. Press the Right arrow to get to the Battery Info menu and press the Info button to choose it.
3. The percentage level of the battery and the number of minutes remaining before it runs out will be spoken. Note that you need to use the device for a certain amount of time before the number of minutes remaining is available.

You can also get the DA2 to read the battery status from anywhere by pressing and holding the Mode button until this information is spoken.

Section 9: Setup Information

This section provides instructions for setting up various options and features including:

1. Wi-Fi
2. Previewing and downloading TTS voices
3. Bluetooth
4. Date and Time

9.1 Wi-Fi: Setup

The Wi-Fi submenu provides the following options to manage the connections on your DA2:

1. Wi-Fi: turns the DA2's Wi-Fi on and off. If this is off, only Wi-Fi and Back are available in this submenu.
2. Status
3. New connection
4. Launch connection
5. Delete connection
6. Import Wi-Fi configuration
7. Validate connection
8. Back

9.1.1: The Wi-Fi Menu

To go to the Wi-Fi submenu:

1. Open the DA2 menu by pressing and holding the Info button until you hear the message "entering menu"
2. Use the Left or Right arrows to go to Settings and press the info button to open it.
3. Use the Right arrow to go to Wi-Fi and press info to open it.

9.1.2: Enabling and Disabling Wi-Fi

While in the Wi-Fi menu, the first option is the Wi-Fi on/off switch. By default, the Wi-Fi is set to off. Pressing the Info button once will toggle the Wi-Fi on.

9.1.3: Status

While in the Wi-Fi menu, you can use the Left and Right arrows to navigate to Status and press the info button to get the following information:

1. No Internet message (if you are currently not connected)
2. SSID (only if connected)
3. Signal strength (only if connected)

4. IP (only if connected)
5. Wi-Fi frequency (only if connected)
6. Mac Address of the DA2
7. Back button (goes back to the previous menu.

9.1.4: New Connection

1. While in the Wi-Fi menu, use the Right arrow to navigate to "New connection" and press the info button to select it.
2. Use the Left and Right arrows to navigate to a connection method and press the Info button to select it. Available options include:
    a. Scan for SSID: this will start a scan for available Wi-Fi networks nearby and show the list of networks found. Use the Left or Right arrows to navigate the networks and press the Info button to select the network that you wish to connect to. You will then enter Text Input Mode and be prompted to enter the password. For help with typing the password, read Section 7, Text Input Mode.
    b. WPS connection (only for routers that have a WPS button): while on the WPS connection option on the DA2, press the Info button to start the WPS connection. Then press the WPS connection button on your router to initiate the connection.
    c. Create connection: in this mode, you will be prompted to enter both the SSID (the name of your wireless network) and the password. This feature is intended to support hidden networks. For help with typing the SSID and password, read Section 7, Text Input Mode.
3. Once you've correctly completed the process for one of the above three connection methods, the connection will be processed. This can take up to a few seconds.

Note: Once connection is successful, your device will remember the connection info and will automatically reconnect to the wireless network near you.

9.1.5: Launch Connection

This feature is useful for connecting to a specific network when more than one is available.

1. While in the Wi-Fi menu, use the Right arrow to navigate to "Launch connection" and press the Info button to select it.
2. Use the Left and Right arrows to navigate to the connection you want and press the Info button to initiate the connection.

9.1.6: Delete a Wi-Fi Connection

1. While in the Wi-Fi menu, use the Right arrow to navigate to "Delete connection" and press the Info button to select it.
2. Use the Left and Right arrows to navigate to the connection you want to delete and press the Info button to choose it.
3. You can then press the Info button to confirm or any other key to cancel.

9.1.7: Import Wi-Fi Configuration

This provides an alternative method to set up a Wi-Fi connection on the DA2 by typing the information on a computer, saving it, and importing the file instead of scanning for networks and typing the password on the DA2.

To import a Wi-Fi configuration, first connect a USB A drive to your computer, then follow these instructions:

1. On a computer with the connected USB A drive, open a text editor such as Notepad or TextEdit and type in the following information: your SSID (wireless network name) and your Wi-Fi password
2. Ensure that only the name of your SSID is on line 1, your Wi-Fi password is on line 2, and nothing else.
3. Save the file with the name wifi_config.txt to the root of the flash drive.
4. Disconnect the drive from your computer.
5. Power on the DA2.
6. When the DA2 is on, insert the same drive to the USB A port of the DA2. The DA2 will say "USB inserted."
7. Press and hold the Info button until you hear the message "entering menu."
8. Use the Left or Right arrows to go to Settings and press the Info button to open it.
9. Use the Right arrow to go to Wi-Fi and press the Info button to open it.
10. Press Right arrow to go to Import Wi-Fi configuration and press the Info button to choose it. If successful, a "Wi-Fi connected" message is announced.
11. Disconnect the USB drive.

9.1.8: Validate Connection

To test that a wireless connection is working properly with the DA2, while in the Wi-Fi menu, press the Right arrow to validate connection and press the Info button to confirm. If the connection is successful, the player will announce "Internet access." If it is not connected, then the player will announce "No Internet."

9.2: Preview and Install Additional TTS Voices

To preview the available TTS voices for the DA2 and choose a default voice:

1. While connected to Wi-Fi, press and hold the Info button until you hear the message "entering menu."
2. Use the Left or Right arrows to go to Settings and press the Info button to open it.
3. Press the Right arrow to go to Voice Selection and press the Info button to confirm.
4. Press the Left and Right arrows to go through and listen to a preview of the available voices and press the Info button on the voice you wish to use.
5. The DA2 will download the chosen voice, install it, and then restart the DA2 using the new voice.

9.3: Bluetooth Connection Setup

The Bluetooth submenu provides the following options to manage Bluetooth connections (headphones and speakers) on your DA2:

1. Bluetooth (turns Bluetooth on and off for the DA2. If this is off, only Bluetooth and Back are available in this submenu.)
2. Pair new device
3. Connect device
4. Disconnect device
5. Delete paired device
6. Back

9.3.1: The Bluetooth Menu

To go to the Bluetooth submenu:

1. Press and hold the Info button until you hear the message "entering menu."
2. Use the Left or Right arrows to go to Settings and press the Info button to open it.
3. Use the Right arrow to go to Bluetooth and press the Info button to open it.

9.3.2: Enabling and Disabling Bluetooth

While in the Bluetooth menu, the first option is the Bluetooth on/off switch. By default, Bluetooth is set to off. Pressing the Info button once will toggle the Bluetooth on.

9.3.3: Pair New Device

1. From the Bluetooth menu, use the Left and Right arrows to go to "Pair a new device" and press the Info button to select it. The DA2 will start scanning for nearby devices.
2. Activate Bluetooth Pairing Mode on the headphones or speakers you would like to use with the DA2.
3. From the DA2, use the Left and Right arrows to navigate the list of available devices to find the name of your headphones or speakers and press the Info button to select it.
4. The player will prompt you that the pairing is successful once it is completed.

9.3.4: Connect a Previously Paired Device

1. From the Bluetooth menu, use the Left and Right arrows to go to "Connect device" and press the Info button to select it.
2. Use the Left and Right arrows to navigate the list of available devices to find the name of the previously paired device you want and press the Info button to select it.
3. After a few seconds, the player will prompt you that the connection is successful. You should hear the audio in your Bluetooth device.

9.3.5: Disconnect Device

This is used to disconnect an active Bluetooth connection. However, it does not remove the connection from the list of previously paired devices.

1. From the Bluetooth menu, use the Left and Right arrows to go to "Disconnect device" and press the Info button to select it.
2. Use the Left and Right arrows to navigate the list of available devices to find the name of the device you want to disconnect and press the Info button to select it.

3. Once the device is disconnected, the player will prompt you that the device was successfully disconnected.

9.3.6: Delete Paired Device

This removes the connection from the list of previously paired devices.

1. From the Bluetooth menu, use the Left and Right arrows to go to "Delete paired device" and press the Info button to select it.
2. Use the Left and Right arrows to navigate the list of available devices to find the name of the previously paired device you want and press the Info button to select it.
3. The player will prompt you that the device was successfully removed.

9.4: Date and Time Setup

The Date and Time submenu has the following options:

1. Change time
2. Change date
3. Daylight Saving Time
4. Advanced time settings
5. Close

9.4.1: The Date and Time Submenu

To go to the Date and Time submenu:

1. Press and hold the Info button until you hear the message "entering menu."
2. Use the Left or Right arrows to go to Settings and press the Info button to open it.
3. Use the Right arrow to go to Date and Time and press the Info button to open it.

9.4.2: Change Time

1. While in the Date and Time submenu, press the Info button on Change Time.
2. Use the Up and Down arrows to adjust the current field.
3. Use the Left and Right arrows to navigate to the different fields including hour, AM/PM, minute, submit, and cancel. Review and adjust any incorrect fields.
4. When the time is correct, use the Left and Right arrows to navigate to Submit and press the Info button to confirm and save.

9.4.3: Change Date

1. While in the Date and Time submenu, press the Right arrow to navigate to change date and press the Info button to choose it.
2. Use the Up and Down arrows to adjust the current field.
3. Use the Left and Right arrows to navigate to the different fields including year, month, day, submit, and cancel. Review and adjust any incorrect fields.
4. When the date is correct, use the Left and Right arrows to navigate to submit and press the info button to confirm and save.

9.4.4: Daylight Saving Time

1. While in the Date and Time submenu, press the Right arrow to navigate to Daylight Saving Time.
2. Use the Up and Down arrows to turn it on and off.

9.4.5: Advanced Time Settings

1. While in the Date and Time submenu, press the Right arrow to navigate to Advance Time Settings, and press the Info button to choose it.
2. Use the Up and Down arrows to adjust the current field.
3. Use the Left and Right arrows to navigate to the different fields including time format, date format, time and date announcements, submit, and cancel. Review and adjust any incorrect fields.
4. When you are happy with the changes, use the Left and Right arrows to navigate to Submit and press the info button to confirm and save.

9.4.6: Check Date and Time

To check the Date and Time from anywhere, press and hold the Sleep button until the DA2 starts reading this information.

Section 10: Copying Titles to Internal and External Memory

Users who have books on a Windows PC can directly transfer them to the DA2. Also, Users who have books on a computer can transfer them to external memory such as a cartridge or USB drive that can then be connected to and played on the DA2.

10.1: Media Transfer Protocol (MTP)

You must turn on Media Transfer Protocol (MTP) on the DA2 before you can transfer book titles from a Windows PC to the DA2.

10.1.1: Enabling MTP

To enable MTP on the DA2, do the following:

1. Press and hold the Info button until you hear the message "entering menu."
2. Use the Left or Right arrows to go to Settings and press the Info button to open it.
3. The first item will be User Settings. Press the Info button to choose it.
4. Press Left arrow to get to MTP and press the Info button until MTP is on.
5. Press the Up arrow several times to exit the menu.

10.1.2: Transferring a Title from a Windows PC to Your Player

1. After MTP has been enabled, connect the player to your Windows PC with a USB-C to USB-C cable or USB-C to USB-A cable. If using a USB-C to USB-A cable, plug the USB-C end of the cable into the player and the USB-A end into the computer.
2. The player will appear as DA2 in File Explorer. There will be three folders present: internal memory, USB, and zipped media.
3. Copy either the zip folder containing the DAISY audio title to the zipped media folder or the unzipped DAISY audio folder to the internal memory>books folder.
4. The transferred titles will appear on the DA2's Bookshelf.
5. When you are finished transferring titles to the DA2, disconnect it from your Windows PC.

10.2: Copying Titles to a Cartridge

Copying titles to a cartridge is possible when using any computer that can download titles, has a file management program, and a USB A port. Therefore, the following are general directions:

1. Using the cable for connecting a cartridge to a computer, connect the larger end to the cartridge and the USB-A end to your computer. When connected, the cartridge will appear as a drive.
2. Locate the drive with your computer's file management program.
3. Unzip DAISY audio titles and copy them to the drive.
4. When you are finished transferring titles, disconnect the cartridge from your computer.
5. Insert the cartridge into the DA2. The copied titles will appear on the Bookshelf.

10.3: Copying Titles to a USB Drive

Copying titles to a USB drive is possible when using any computer that can download titles, has a file management program, and a USB A port. Therefore, the following are general directions:

1. Connect a USB drive with a USB-A connection to a USB-A port on your computer.
2. Locate the drive with your computer's file management program.
3. Unzip DAISY audio titles and copy them to the USB drive.
4. When you are finished transferring titles, disconnect the drive from your computer.
5. Connect the USB drive to the USB-A port of the DA2. The copied titles will appear on the Bookshelf.

Section 11: NLS BARD Mode on the DA2

The NLS BARD Mode allows you to use the DA2 to search, browse, download, and manage titles from the Braille and Audio Reading Download (BARD) online service. Before you can use the NLS BARD Mode on the DA2, you must first connect the DA2 to Wi-Fi, have an active BARD account, and log in to the DA2 with your BARD email and password. For help with Wi-Fi, read Section 9.1, Wi-Fi Setup. For help with typing information such as Wi-Fi password, email address, or BARD password, read Section 7, Text Input Mode.

11.1: Going to the NLS BARD Mode

There are two methods to get to the NLS BARD Mode.

Method one: press the Mode button until the DA2 says "NLS BARD."

Method two:

1. Press and hold the Info button until you hear the message "entering menu."
2. Press the Right arrow to go to NLS BARD and press the Info button to choose it.

11.2: BARD Account Set-up

If you do not have a BARD account, contact your NLS network library to get information on how to get one. If you do not have your network library's contact information, you can call 888-NLS-READ (888-657-7323) and follow the prompts to be connected.

You will need to use a web browser to create an account with an active email address. When your BARD account is approved, an email with instructions will be sent to the address you provided. Use the instructions to create a permanent password. You will need your email address and the permanent password to set up the BARD online service on the DA2.

11.2.1: Log in to BARD with the DA2

Once you have your BARD account credentials and your DA2 is connected to the Internet, type in your email address and password to set up your BARD account using the following instructions:

1. Press and hold the Info button until you hear the message "entering menu."
2. Press the Right arrow until you get to NLS BARD and press the Info button to select it.
3. Activate the "Login" option with the Info button.
4. You will now enter Text Input Mode to type in the email address and then the password. For help with typing, read Section 7, Text Input Mode.
5. If this information is typed correctly, the DA2 will say "Login successful."

11.2.2: Import BARD Configuration

An alternative method to log in to BARD on the DA2 is by typing the information on a computer, saving it, and importing the file.

To import BARD Configuration, first connect a USB A drive to your computer, then follow these instructions:

1. On your computer, open a text editor such as Notepad or TextEdit and put the following two lines in this file: your BARD email address and your BARD password.
2. Ensure that only your BARD email address is on line 1, your BARD password is on line 2, and nothing else.
3. Save this file with the name nls_bard_config.txt to the root of the flash drive.
4. Disconnect the drive from your computer.
5. Power on the DA2.
6. When the DA2 is on, insert the same drive into the USB A port of the DA2. The DA2 will say "USB inserted."
7. Press and hold the Info button until you hear the message "entering menu."
8. Press the Right arrow to Navigate to NLS BARD and press the Info button to select it.

9. Press the Right arrow to navigate to Import Configuration and press the Info button to confirm.
10. A message saying "login successful" will be heard.
11. Disconnect the USB drive.

11.3: Navigating within the NLS BARD Mode

1. Use the Left and Right arrows to go through the different BARD features and press the Info button to select the one you want.
2. You will either be presented with more options or enter Text Input Mode to type text. If you have options, use the Left and Right arrows to navigate and the Info button to select the one you want. If you are in Text Input Mode and you need help with typing text, read [Section 7, Text Input Mode](#).
3. If you've selected any feature besides Modify Login Information or Close from the main level, you will eventually be presented with a list of titles. Use the Left and Right arrows to navigate and the info button to select the title you want.
4. You will now have actions for the title you selected. Use the Left and Right arrows to navigate and the Info button to select the one you want.
5. If you need to go back a level, press the Up arrow. Pressing the Up arrow will eventually take you back to the main level to let you choose another feature.

11.4: The Features on the Main Level of the NLS BARD Mode

When you first get to the NLS BARD Mode and are logged in to your account, you will have the following choices:

1. Search Collection
2. Advance Search (keyword, title, author, series, subject, annotation, book number, narrator, format, language, and magazine name)
3. Wish List (manage items marked for future reading)
4. Most Recent Books (books added in the last thirty days)
5. Most Recent Magazines (magazines added in the past thirty days)
6. Most popular books (most downloaded books in the past thirty days)
7. Browse magazines (magazines alphabetically by title)
8. Browse Categories (select from an alphabetical list of available categories)
9. Previous downloads (shows previously downloaded titles for the current account)
10. Current Downloads (shows a list of titles that are either downloading or queued for download and allows you to check the status or cancel the download.)
11. Modify Login Information (this lets you sign out of your BARD account and login with a different one)
12. Close (exits the NLS BARD Mode)

11.5: Advance Search

This allows you to search by keyword, title, author, series, subject, annotation, book number, narrator, format, language, and magazine name. To find titles using advance search:

1. From the main level of NLS BARD, use the Right arrow to go to Advance Search and press the Info button to choose it.

2. Use the Left and Right arrows to go to the different search parameters, and press the info button to choose the one you want.
3. Some parameters will require you to type text. For help, read [Section 7, Text Input Mode](#). Other parameters will require you to choose from a list. Use the Left and Right arrows to navigate and press the Info button to choose the one you want.
4. Since the Advance Search feature lets you search using multiple parameters, pressing the Info button after typing text or choosing an option does not finalize the search. Once you are finished choosing your parameters, use the Left and Right arrows to navigate to OK and press the Info button to finalize the search and bring up a list of results.

11.6: Available Actions for a Selected Title

Except for Modify Login Information and Close, the features from the main level will eventually take you to a list of books or magazines. After you select a title you want, you may get the following actions:

- Select to download (downloaded titles will appear in the Bookshelf)
- Select to Add to the Wish List (only for titles that are not already in the Wish list)
- Select to Remove from Wish List (only for titles that are already in the Wish List)
- Select for book info (title, book number, subject, author and book description)
- Status (checks download status only for Current Downloads.)
- Cancel Download (only for Current Downloads)
- Close (goes back to the previous level)

11.7: Check Download Progress from Anywhere

While you can go to Current Downloads to get a list of titles that are either downloading or queued for download, you can quickly check the download progress of the current title from anywhere by pressing and holding the Bookmark button until the DA2 starts to read this information.

Section 12: Battery Operation

This player is equipped with a built-in rechargeable battery. This means that it does not always have to be plugged into the wall outlet to be usable. However, you must plug the player in from time to time to recharge the battery. When the battery is fully charged, you will have well over twenty hours of play time. The player's battery automatically charges itself whenever the stored charge has declined significantly, and player is plugged into a wall outlet. It takes about two-and-a-half hours to fully charge a completely discharged battery. You will be able to use the player normally when the battery is recharging. It will not harm the player or battery to leave the player always plugged into a wall outlet. If the player is running on battery and not playing a book, it will automatically power off after thirty minutes to save battery power. Note that the battery is sealed and can only be changed by a service technician.

The next section of this user guide contains important safety information. If you are reading this on the Digital Advanced Player 2, and wish to exit the User Guide now, press and hold the Bookshelf button. You can return to the User Guide where you left off at any time by pressing and holding the Bookshelf button.

The Bookshelf button is located directly below the speaker. It is a square with Three raised vertical lines, is white, and has the letters sf in braille above the button.

Section 13: Important Safety Instructions

- Read and keep these instructions.
- Heed all warnings and follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Only use attachments/accessories specified by the manufacturer.
- Refer all servicing to qualified service personnel.
- Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- To avoid injury caused by a falling player, always place it on a stable, horizontal flat, dry surface and keep the non-skid feet clean.

13.1: Battery Precautions

The battery pack cannot be replaced by patrons. If the player does not play on battery after being charged you may request a replacement player and return this player for service.

Risk of explosion if battery is replaced by an incorrect type.

Do not disassemble or modify the battery.

There is a risk of overheating, fire or explosion if the battery is put in a fire, heated, subjected to impact, put in contact with water, or if its terminals are shorted.

Do not attempt to charge or use the battery outside of the unit.

13.2: Care and Maintenance

- Do not use the player around water or in high-moisture environments such as a bathroom after a shower, never immerse the player or splash water on it. If player gets wet, discontinue use immediately.
- Clean with a dry cloth or cloth dampened with mild detergent cleaning solution. Do not apply cleaning solutions directly to the player. Do not use abrasive cleaner, bleach, or flammable solvents.
- Disconnect all cables and accessories before transporting the player.
- Prevent any heat build up on the player. Do not cover the player.
- Refer all service to servicing personnel.
- The nameplate label is found on the underside of the player.

13.3: Specifications

Power requirement: USB type-C charger.

Operating temperature range: +32 to +113 degrees Fahrenheit

Battery charging temperature range: +50 to +100.4 degrees Fahrenheit

Storage temperature (more than a year): 32 ~ +77 degrees Fahrenheit

Operating humidity: 5% ~ 95% (non-condensing)

Storage humidity: 5% ~ 95% (non-condensing)

Section 14: Federal Communications Commission (FCC) Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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 or 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.

Section 15: Customer Support

For further assistance with your player or the talking book program, contact your local library. Should you encounter problems with the player and suspect that it may be faulty, your local library will help you to determine if a replacement player is required.

Books and magazines for your talking book player may be obtained from your library via the mail or may be directly downloaded from the internet. Your local library can also assist you in the selection of books to play on your machine and in obtaining books by mail and via the internet.

Section 16: Appendix: Configure USB Keyboard Key Bindings

The Configure USB keyboard key binding menu allows you to assign player buttons to a remote-control device. These remote controls are for patrons who have physical disabilities and are not able to easily operate the buttons on the player itself.

Before going into configure USB keyboard key binding mode, you must make sure that the remote-control device is plugged into the USB connection port. This connection is located on the right side of the player, next to the headphone connector jack.

To enter configure USB keyboard key binding mode, go into the settings to find the option. You will be asked to press a remote control's button to start the recording or press any button on the player to exit learning mode. After pressing a remote control's button, press a button on the player so that the two pressed buttons be bound together. The player will confirm that the binding was successful. Once this step is complete, you can repeat this procedure for each of the player's buttons. The player will remember the button assignments when you next start the player. The player can remember bindings for many different devices, so that you can plug in many types of keyboards and have specific bindings for each. To remove a binding for one remote control's key, do the recording procedure again, but press twice on the remote control's key you want to reset instead of pressing on a player's key.