

PageFlip Firefly

Bluetooth/USB Pedal

User Guide



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FCC/CE Notice

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.

PageFlip Firefly
FCC ID: XKEFIREFLY01

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Safety Notice / Warning

Please read the following safety instructions carefully to safely and correctly operate this device. PageFlip assumes no responsibility for property damage or personal injury.

1. Do not place any container filled with liquid on the device.
2. Do not use a voltage other than the specified one.
3. Do not plug AC adapter into socket with wet hands.
4. Always hold case before removing AC adapter plug.
5. Do not disassemble or modify the device.

IC Notice

This device complies with Industry Canada license-exempt RSS standard(s). 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 of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (eirp) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (pire) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

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1 WELCOME

Congratulations on your purchase of the PageFlip Firefly Bluetooth/USB pedal! This product was designed to meet the needs of musicians, people with disabilities, and avid readers who struggle with the challenge and inconvenience of page turning. PageFlip Firefly works exclusively with digital documents, web pages, and image collections on any tablet or computer. We shall refer to the tablet/computer/phone to which the pedal is paired as the *device*. By simply tapping the dual pedal of the PageFlip Firefly, the digital content on the device can now be flipped or scrolled in either the forward or reverse directions for convenient hands-free page turning.

The PageFlip Firefly emulates a standard keyboard and works with any software that uses keyboard strokes to navigate through digital files. The user may select among the following five preset modes for the dual pedals: PageUp/PageDown, Left/Right arrow, Up/Down arrow, Left/Right mouse click, and Space / Enter. Changing modes is as simple as pressing a button. For added versatility, the pedal functions may be reprogrammed with the free iOS/Android PageFlip app (for V14+) or with free Windows/Mac software available on pageflip.com (for <V14). The label on the bottom of the pedal identifies the version number. The V14 Firefly pedal became available in late 2023.

Simply pair the pedal to the device (e.g., tablet, computer, phone) using Bluetooth and run the iOS/Android app or Windows/Mac software to edit the pedal modes. This operation must use wireless Bluetooth, not a wired USB cable, as the means to connect the pedal to the device. Editing the pedal modes permits us to trigger some action in a software application by transmitting any multi-key combination with the tap of the pedal.

The PageFlip Firefly is ideal for musicians who can now keep their hands, and their focus, on their instruments rather than struggle with turning sheet music. It is also ideal for people with disabilities who can more easily tap a pedal than attempt to manipulate pages of a standard book or magazine. The convenient mode buttons maximize versatility for use with a wide variety of software to scroll, browse, and navigate through eBooks, PDF files, Word, Powerpoint, web pages, and images.

PageFlip Firefly may be operated in wireless or wired mode. Wireless connectivity is achieved via Bluetooth. All Apple products and most modern tablets/computers are equipped with Bluetooth, so this mode is nearly universal. An optional USB Bluetooth dongle is available from PageFlip to interface to devices that are not equipped with Bluetooth. If the user prefers wired connectivity, a USB cable can be connected between the pedal and the device. For Firefly pedals that are marked as V13 or lower on the label under the pedal, a micro-USB to USB-A cable is provided. Since pedals marked as V14 or greater use a universal USB-C port, no cable is supplied.

The PageFlip Firefly features LED lighting to emit a discrete glow on each of the two pedals, hence the name “Firefly.” This lighting permits the pedal to be easily found in orchestra pits, dark stages, and cluttered environments. If the pedal lights are not needed, we recommend using the light switch to turn off the LED lighting to preserve battery life.

The PageFlip Firefly goes to sleep after 30 minutes of inactivity. Although a simple tap of the pedal wakes it, the long 30-minute period prevents the user from having to make this effort under most common performance conditions. No other pedal offers such a long inactivity period before entering sleep mode for the benefit of the user. This timeout period can be reprogrammed on all Firefly pedals marked V14 or higher using the iPad/Android PageFlip app.

PageFlip Firefly is compact, rugged, silent, and easy to use. Since it works with digital content, it guarantees 100% reliability in turning one page at a time without moving parts or noise. Just pair the pedal with a Bluetooth-enabled device or connect it to the device via a USB cable, open up any digital file, and tap the pedal to begin enjoying hands-free reading. Be prepared to enjoy the benefits of the PageFlip Firefly Bluetooth/USB pedal for automatic page turning!

2 FEATURES

- **Ease of Use**

Simply open a digital file and press either pedal of the PageFlip Firefly to turn a page forwards or backwards.

- **Convenience**

Permits hands-free reading of vast libraries of scanned, purchased, or freely downloaded digital content. There is no need to stop playing your musical instrument or wait for an assistant to turn the page.

- **Reliability**

Turns one page at a time with 100% accuracy. Navigation of digital content eliminates the risk of turning multiple pages at once, which is a problem typically associated with physical books.

- **Versatility**

Press a mode button to select pedal functions for enhanced software compatibility: PageUp/PageDown, Left/Right arrow, Up/Down arrow, Left/Right mouse click, and Space / Enter. The pedals may be reprogrammed for added versatility. Download the free PageFlip app from the App Store or Google Play Store for V14+ pedals, or download the free Windows/Mac software from www.pageflip.com for <V14 pedals.

- **Robust Operation**

A Repeat switch enables continuous scrolling while the pedal is pressed down. Disable this feature for musical performances to prevent inadvertent page turns in case of a slow pedal release or to rest your foot on the pedal between page turns.

- **Wireless or Wired Connectivity**

The PageFlip Firefly communicates wirelessly with the device up to a range of 10 meters using standard Bluetooth technology. For those users who lack a Bluetooth-equipped device or simply prefer

a wired connection, the pedal can be connected directly to their device via a USB cable.

- **Compatibility**

Works with iPad and Android tablets using select apps that accept keyboard commands, such as arrow keys. Compatible apps are listed on www.pageflip.com. Also works with any Windows, Mac, or Linux computer. Users may purchase a Bluetooth USB dongle from www.pageflip.com to bring the full benefits of this wireless pedal to any device that is not Bluetooth compliant.

- **Unique Pairing**

Multiple pedals can be operated in the same room without interference. The Bluetooth pairing process uniquely establishes wireless connectivity between the pedal and one device. Pairing is automatically achieved without a passkey once the pedal is selected among a list of discovered Bluetooth devices on the tablet/computer.

- **External Switches**

The PageFlip Firefly is compatible with a wide array of external switches. Commonly used sip-and-puff and Jelly Bean pushbutton switches may be plugged into the auxiliary switch outlet(s) via two 1/8" mono plugs. The functions of the external switches may be programmed to operate independently of the built-in pedals to offer two additional pedal functions.

- **Auto Power-Off Function**

The PageFlip Firefly automatically turns itself off 30 minutes after the last operation is performed. All V14+ Firefly pedals can have their timeout period reprogrammed using the free iOS/Android PageFlip app.

- **Long Battery Life**

The pedal is designed to sip very little power so two AA alkaline batteries will last about a year. It has a battery life of 200 hours of

continuous page turning, or about 200,000 page turns. The pedal LEDs emit a triple flash warning to indicate a low-battery condition. Any V14+ Firefly pedal can have its remaining battery level displayed on the iOS/Android PageFlip app so you can be aware if the batteries need to be replaced soon. Always use two AA alkaline batteries, not rechargeables, for best results.

- **Portability**

Small sturdy pedal operates on two AA alkaline batteries or AC power.

- **Technical Support**

Additional information can be found at www.pageflip.com.

3 PACKAGE CONTENTS

This package contains the following items. If any items are missing, please contact the dealer where you purchased the product.

1. PageFlip Firefly Bluetooth/USB Pedal
2. micro-USB to USB-A cable (6 feet) for <V14 Firefly pedals only
3. Quickstart Guide (English/German/Spanish/French)



Figure 1: Contents: PageFlip Firefly and USB cable (for <V14 pedals).
No cable is supplied for V14+ pedals since those pedals use standard USB-C ports.

4 BASIC OPERATION

Please read the operating instructions carefully before first use. PageFlip Firefly is designed to work with a wide variety of software to display electronic documents. It is important that the user closely follow the directions below in order to maximize performance, reliability, and reading pleasure.

4.1 Battery Installation

1. Turn off the PageFlip Firefly pedal before inserting the batteries.
2. Remove the battery cover on the bottom of the pedal.
3. Install two new AA alkaline batteries (not rechargeables).
4. Slide the battery cover back on.

Note: To conserve battery power, turn off device when not in use. The unit automatically goes to sleep after 30 minutes of inactivity, but can awake instantly upon a pedal tap. You will notice that the pedal is asleep if the POWER switch is set to On but no LEDs are lit next to the pedal mode buttons. A simple tap will initiate Bluetooth pairing immediately. It is advisable to press the pedal once before using in a performance to make sure that the pedal will not go to sleep soon. Press the other pedal to return to the original page. Please note that AA alkaline batteries are strongly recommended for optimal performance. Avoid using rechargeable batteries. Also, be aware that the pedal lights will remain lit if the Light switch is in the ON position, even while the pedal is asleep. The timeout period may be reprogrammed on V14+ pedals using the iOS/Android PageFlip app.

4.2 AC Adapter

In addition to being battery-operated, PageFlip Firefly may also be powered by connecting it to a computer using a USB cable. Simply plug one end of the power cable into the USB-C (V14+) or micro-USB (<V14) outlet on the rear of the PageFlip Firefly (Fig. 2(a)) and plug the other end into a computer's USB port. The pedal can also be plugged into the wall via a USB AC adapter (Fig. 2(b)), such as those included with cell phones or tablets.



(a)



(b)

Figure 2: (a) Rear view of PageFlip Firefly. Attach one end of the USB cable into the rear USB outlet and connect the other end into a computer USB port or (b) any USB AC adapter, such as those found on iPhones and iPads.

4.3 Powering On the Pedal

1. Slide the POWER switch to the On position.
2. The pedal will attempt to pair itself with a Bluetooth device.
3. For all new pairings, please refer to the pairing instructions in Sec. 4.4.
4. For existing pairings, an LED will blink quickly (every second) for up to 30 seconds.
5. The LED will blink slowly (every four seconds) once the pairing is re-established.
6. Make sure the paired device is on and awake.



Figure 3: Top view of PageFlip Firefly control panel.

4.4 Bluetooth Pairing

The following instructions assume that your tablet or computer is equipped with Bluetooth. If you do not have Bluetooth, you may purchase a Bluetooth USB dongle from www.pageflip.com to bring the full benefits of this wireless pedal to any computer that is not Bluetooth compliant.

1. Enable Bluetooth on the tablet or computer to be paired.
2. Press BLUETOOTH RESET (Fig. 2(a)) to make pedal discoverable.
3. Five LEDs will flash in sequence while pedal is in discovery mode.
4. In the list of available Bluetooth devices, select "PageFlip Firefly" (V14+) or "Premium Pedal" (<V14) and confirm the pairing. Note: "Keyboard" will appear momentarily before "Premium Pedal" (<V14).
5. The LED of the current pedal mode (Sec. 4.5) will now flash slowly (once every four seconds).
6. If pairing fails, remove "PageFlip Firefly" or "Premium Pedal" from the Bluetooth list, restart Bluetooth, and try pairing again.

On V14+ Firefly pedals, simply turning on the pedal makes it discoverable and "PageFlip Firefly" may appear as an available device, even without the need for pressing the BLUETOOTH RESET button. You must still select the pedal in the list and confirm the pairing to complete the process. If the pedal is turned on near a previously paired tablet/computer, it will instantly pair to that tablet/computer and the pedal will not appear as an available device to any other computer in the vicinity.

4.5 Pedal Mode Selection

The PageFlip Firefly emulates a standard keyboard and works with any software that uses keyboard strokes to navigate through digital files or launch app functions. For added versatility, the user may select among five preset pedal modes, as shown in Table 1. Simply press a button (Fig. 3) to change the mode. A flashing LED confirms the mode selection.

Pedal Mode	Function
PageUp/PageDown	Turn page
Left/Right Arrow	Turn page or move cursor
Up/Down Arrow	Turn page or move cursor
Left/Right Mouse click	Click left or right mouse button
Space/Enter	Press Space bar or Return key

Table 1: Five preset pedal modes and their functions.

Select the mode that achieves your intended goals. Results may vary based on the software. For instance, some software applications use PageUp/PageDown to advance between pages/screens, and use the arrow keys to move the cursor between characters or rows. Other programs accept the PageUp/PageDown or arrow keys interchangeably. Image viewers typically respond to Left/Right arrow but not Up/Down arrow. Experiment with the different modes and see which works best for your application. These options are made available to enhance pedal versatility by making it responsive to the widest array of software.

The default mode of the pedal immediately after the pedal is first paired with the tablet or computer is the up/down arrow keys (middle mode button). Thereafter, the pedal will assume the last pedal mode before the pedal was turned off or went to sleep.

4.6 Pedal Mode Reprogramming

For added versatility, the pedal modes can be reprogrammed using either the PageFlip app for V14+ pedals, or via Windows/Mac PageFlip software for <V14 pedals. It is advisable to reprogram only the least used pedal modes, such as the fourth or fifth pedal modes dedicated to left/right mouse clicks, or space/enter, respectively. Make sure that you select the desired reprogrammed pedal mode before using it.

4.6.1 V14+ Pedals

1. Download the PageFlip app from the App Store / Google Play Store.
2. Pair the V14+ pedal to the tablet/computer using Bluetooth (Sec. 4.4).
3. Open the PageFlip app to see the interface shown in Fig. 4.
4. Note that "Connected" appears at the top to indicate a paired Firefly pedal. Pair the pedal to the tablet/computer if "Disconnected" appears.
5. The settings for the highlighted pedal mode are shown overlaid on the left/right and external pedals.
6. Click on the settings and type a character, multi-key combination, or hotkey, to reprogram the pedals.
7. Select "Save to Pedal" to save the settings (Fig. 5).
8. Select "Restore Settings" to cancel any changes that have not already been saved.
9. Select "Default Settings" or press MODE RESET (Fig. 2) to restore all pedal modes to their default factory settings.
10. Select "Pedal Settings" in the upper right corner to update the pedal name and timeout period.

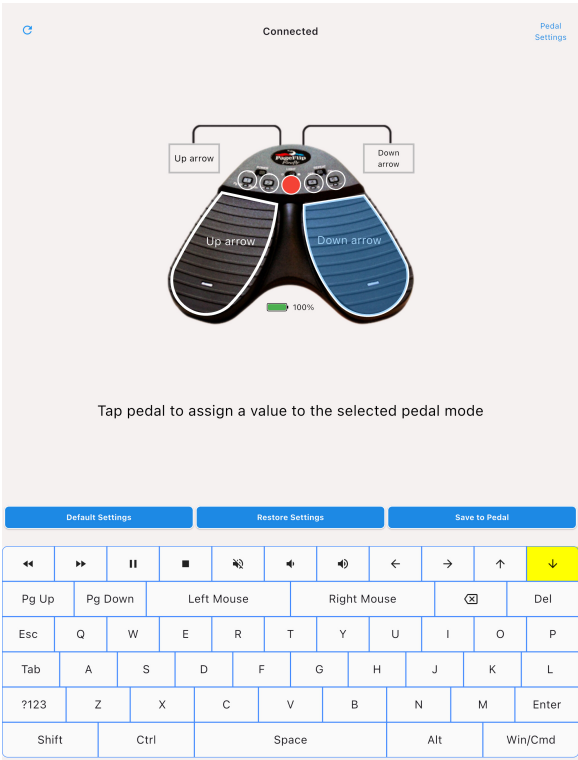


Figure 4: Initial screen of the PageFlip app. Notice that the settings associated with the selected middle mode are overlaid on the pedals. The right pedal can be altered by selecting it and tapping the desired key on the keyboard. The default setting is shown.

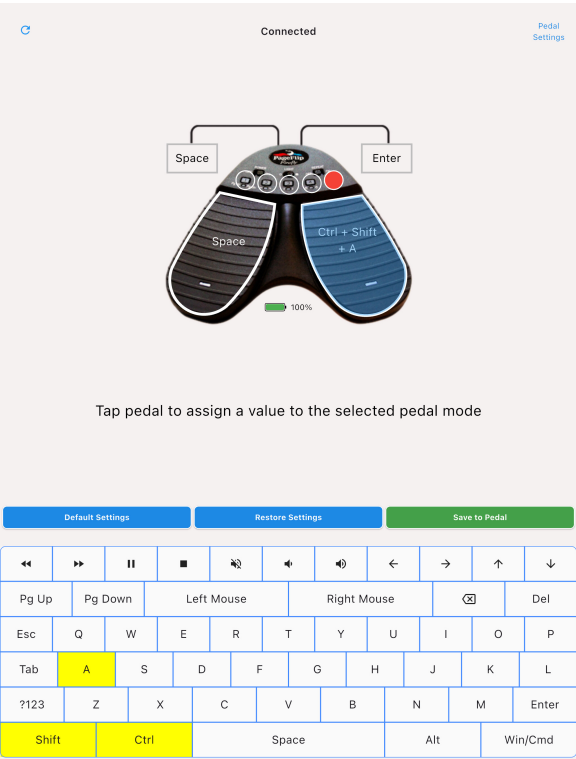


Figure 5: Select a mode, tap a pedal, and type a character, multi-key combination, or select a hotkey to reprogram the mode setting. Notice that the external pedals may have different values than the integrated pedals. When the value of a pedal setting is changed, "Save to Pedal" will turn green to remind you to confirm the save operation.

4.6.2 <V14 Pedals

1. Visit www.pageflip.com/pages/software.html or select the Software link at the bottom of the Firefly page (Shop->PageFlip Firefly) on www.pageflip.com.
2. Select the Windows or Mac link in the instructions to download the appropriate version of the software.
3. Pair the <V14 pedal to a Windows or Mac computer using Bluetooth (Sec. 4.4).
4. Run the software to see the interface shown in Fig. 6.
5. Note that "Connected" appears at the top to indicate a paired Firefly pedal. Pair the pedal to the computer if "Disconnected" appears.
6. Five mode settings are listed for the left/right and external pedals.
7. Click on any field and type a character, multi-key combination, or hotkey, to reprogram the pedals.
8. Select "Save" to save the settings and confirm (Fig. 7).
9. Press MODE RESET (Fig. 2) or "Factory Settings" in software to restore default pedal modes.

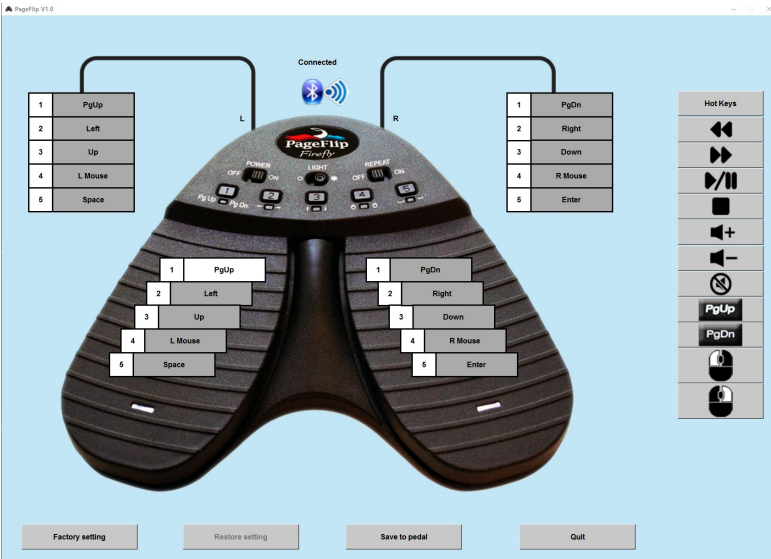


Figure 6: Initial window of pedal reprogramming software

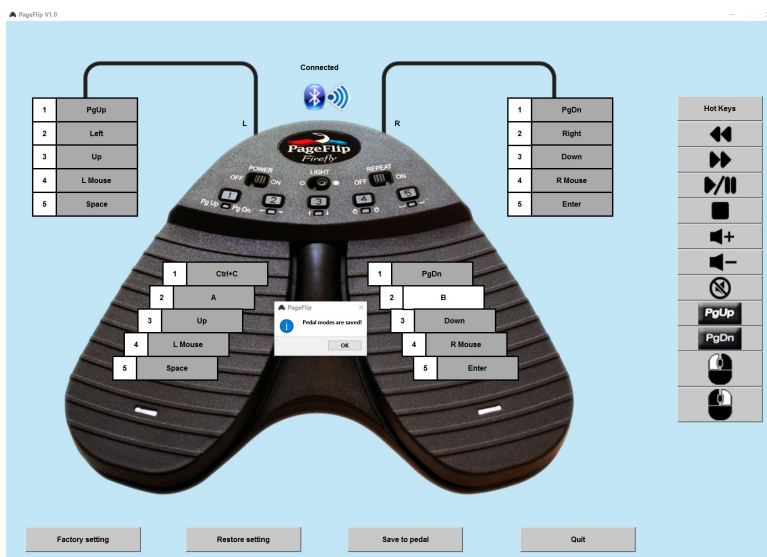


Figure 7: Move cursor into fields and type a character, multi-key combination, or select a hotkey to reprogram mode setting. Press "Save" to save settings and confirm. Notice that the external pedals may have different values than the integrated pedals.

4.7 Triggering the Pedal

The PageFlip Firefly Bluetooth pedal can be triggered by:

1. tapping the left or right pedal of the PageFlip Firefly
2. activating an external (auxiliary) switch

PageFlip Firefly works with sip-and-puff switches, AbleNet Jelly Bean pushbuttons, or any external switch that can be plugged into the two 1/8" mono outlets shown in Fig. 2. Use a plug adapter, if necessary, to convert other plugs for use with the unit. PageFlip does not supply plug adapters or external switches. Consult assistive technology vendors (e.g., www.orin.com, www.rehabmart.com) for more information about switches.

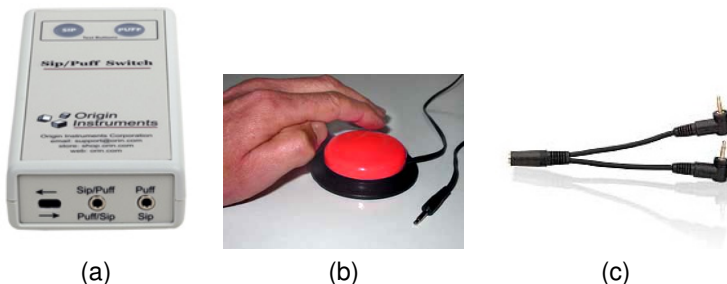


Figure 8: (a) A sip-and-puff switch can connect to the PageFlip Firefly auxiliary outlet via two 1/8" (3.5mm) mono plugs. (b) A Jelly Bean is a large pushbutton switch. Two such switches can be connected to the PageFlip Firefly to turn pages in either direction by using the two outlets for 1/8" mono plugs. Plug one switch into the R outlet to turn pages forward or plug both into the L and R outlets for bidirectional operation. (c) Use a 1/8" stereo to dual 1/8" mono plug adapter for converting stereo plugs into two mono plugs.

4.8 Autorepeat Function

The PageFlip Firefly features an autorepeat function that may be set by the REPEAT switch (Fig. 3). If autorepeat is on, a continuous stream of commands is sent to the computer as long as the pedal is pressed down. This behavior, which is identical to that of a keyboard, is useful for fast browsing or scrolling.

Enable Autorepeat

1. Slide the REPEAT switch to the On position.
2. Tap pedal quickly to turn one page.
3. Tap and hold the pedal to turn successive pages quickly.

Disable Autorepeat

1. Slide the REPEAT switch to the Off position.
2. Tap pedal slowly or quickly to turn one page.

For musical practice or performance, it is recommended to disable the autorepeat function. This prevents turning multiple pages inadvertently if the pedal is held down too long. This also permits the user to rest their foot on the pedal until the next page is turned with another foot tap.

4.9 Virtual iPad Keyboard

The PageFlip Firefly emulates a keyboard while interacting with the computer. This may prevent the virtual iPad keyboard from appearing when the focus is brought to a text field. In order to eject the virtual keyboard to make it visible, please press the current mode button that lies next to the blinking LED. The current mode will remain unchanged while successive presses to that button will toggle the appearance and disappearance of the virtual keyboard on the iPad.

4.10 Compatible Apps

Any app that responds to a Bluetooth keyboard will work equally well with PageFlip Bluetooth pedals. A list of compatible apps for iPad and Android tablets can be found on www.pageflip.com/pages/apps.html.

Incompatible apps are typically limited to the use of screen taps and swipes. Fortunately, there is a way to use PageFlip Bluetooth pedals to interact with such apps by using the left and right pedals to mimic a swiping gesture (e.g., swipe left or swipe right). Just follow these instructions for use on iPads:

1. Go to Settings → General → Accessibility → Switch Control
2. Tap Switches and then tap "Add New Switch"
3. Choose "External" as the source. The message "Activate your external switch" will appear.
4. Press the left pedal and then name the pedal: Left pedal
5. Choose a switch action for that pedal: choose "Move to Previous Item"
6. Now do the same for the right pedal:
7. Tap "Add New Switch".
8. Choose "External" as the source. The message "Activate your external switch" will appear.
9. Press the right pedal and then name the pedal: Right Pedal
10. Choose a switch action for that pedal: choose "Move to Next Item"
11. Create a Recipe by going back to the main Switch Control page and tap "Recipes"
12. Tap "Turn Pages"
13. Under the Switch section tap "Assign a Switch"
14. Tap "Left pedal" and choose "Left to Right Swipe"
15. Tap "Add New Switch"
16. Tap "Right pedal" and tap "Right to Left Swipe"
17. Launch the recipe by going back to the Recipes screen and tap Launch Recipe.
18. Tap "Turn Pages".
19. Turn Switch Control On

5 PRODUCT SPECIFICATION

Item	Specifications
Model Name	PageFlip Firefly
Model Number	PFFIREFLY-01
Dimensions	6.8 x 5.8 x 1.4 inches (173 x 147 x 36 mm)
Weight (w/o batteries)	15.2 ounces (431 grams)
Power Requirements	3V, 40mA (2 AA batteries)
Power Consumption:	
Operating Mode	4.4-6.8 mA
Bluetooth Pairing	1.4-50 mA
Standby	0.24-4.1 mA
Sleep	0.302 mA
Pedal light	5 mA additional
Battery Life (2 AA batteries):	
Pedal light off	400 hours of continuous turning (200K page turns)
Pedal light on	200 hours of continuous turning (100K page turns)
Output Power	-6 dBm to 4 dBm
Operating Distance	10 meters
Operating Frequency	2402-2480 MHz
Operating Temperature	32° – 140° F (0° C - 60° C)
Storage Temperature	-40° – 176° F (-40° - 80° C)

LED	Operating Condition
Off	Pedal powered off or asleep
Solid	Connected to external power source
All LEDs flash	Bluetooth discovery mode (BLUETOOTH RESET)
Quick flash (1 sec)	Attempting to pair with computer
Slow flash (4 sec)	Paired with computer
Three quick flashes	Low-battery condition

6 PRODUCT COMPARISON

	Butterfly	Firefly	Dragonfly
Pedals	2	2	4
Mode Buttons	3	5	5
Silent pedal action	✓	✓	✓
Wireless (Bluetooth)	✓	✓	✓
Wired connectivity (USB)		✓	✓
Illuminated pedals		✓	✓
Programmable modes		✓	✓
Autorepeat		✓	✓
L/R Auxiliary outlets		✓	
Auto sleep period*	30 mins	30 mins	30 mins
Power	2 AA	2 AA or AC**	2 AA or AC**
Dimensions	6.8" x 5.5" x 1.4"	6.8" x 5.8" x 1.4"	7.0" x 6.7" x 2.0"
Weight	Hefty (13.0 oz)	Heftier (15.2 oz)	Heftiest (17.2 oz)
Battery life (approx)	1 year	1 year	1 year
Warranty	1 year	1 year	1 year
Price	\$89.95	\$109.95	\$129.95

Table 2: Product comparison.

* Inactivity period before pedal enters sleep mode.

** Use two AA batteries or plug into USB AC adapter.
Batteries and adapter are not included.

Preset Pedal Modes	Butterfly	Firefly	Dragonfly
Up/Down arrow	✓	✓	✓
Left/Right arrow	✓	✓	✓
PageUp / PageDown	✓	✓	✓
Left/Right mouse click		✓	✓
Space / Enter		✓	✓
Volume+ / Volume-			✓
Play/Pause / Stop			✓

The five main advantages that the Firefly has beyond the Butterfly are: (1) programmable mode buttons, (2) illuminated pedals, (3) wireless OR wired operation, (4) heft/ruggedness, and (5) auxiliary outlets for external pedals that can make Firefly a quad pedal system.

The main advantages that the Dragonfly has beyond the Firefly are: (1) integrated quad pedal system, (2) compact design that fits quad pedal into a dual pedal footprint, and (3) added heft/ruggedness. The benefit of a quad pedal is that it allows the user to trigger four app actions instead of two. For instance, two pedals can be configured to turn pages while the other two pedals can advance through a setlist, pop up a search box, launch a metronome, control audio playback and volume, and more.

7 MAINTENANCE

Before cleaning the PageFlip Firefly, the following is recommended:

1. Turn off the power
2. Unplug the power cord
3. Take out the batteries

Gently wipe the PageFlip Firefly surface with a soft, dry, lint-free cloth.

Caution:

Do not use water, liquid detergent or solvents for cleaning. Liquids might drip into the device's mechanical or electronic parts and cause damage.

8 WARRANTY

PageFlip offers a one-year warranty on the PageFlip Firefly Bluetooth pedal. The warranty commences on the date of purchase. Should a unit fail during the warranty period, PageFlip will, at its option, repair or replace the damaged unit. Repaired or replaced units will be covered for the remainder of the original warranty period. This warranty does not apply to units that, after being examined by PageFlip, have been found to have failed due to customer abuse, mishandling, alteration, improper installation, or negligence. Furthermore, the warranty does not apply to defects that have negligible effect on the value or operation of the unit.

Defective units must be returned postage paid as a complete unit to PageFlip or its authorized distributor. Proof of purchase and a letter explaining the problem must accompany the returned unit. The warranty becomes void if repairs are undertaken by unauthorized persons and if original PageFlip parts are not used.

Products no longer covered by a warranty may be repaired for a nominal fee. All repairs are warranted for one year. Before returning a product for refund or repair, please send email to support@pageflip.com with a description of the problem. PageFlip will respond with instructions on how to expediently resolve the matter. Repair charges must first be approved for products no longer covered by the warranty.

9 GUARANTEE

PageFlip offers a 30-day money back guarantee if our products do not meet your needs or expectations. Products must be returned postage paid in new condition in the original packaging to honor this service. Contact support@pageflip.com for instructions.

Contact us at:

PageFlip, Inc.
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10 FREQUENTLY ASKED QUESTIONS

Visit the FAQ tab on www.pageflip.com for the most up-to-date version.

General

What are the differences between the PageFlip pedals?

The PageFlip Butterfly is our most economical page turning Bluetooth pedal. It is hefty, rugged, and features large silent tactile pedal switches. The Butterfly is far better than competing products that offer only small buttons or unresponsive membrane switches. The PageFlip Firefly is our best-selling premium pedal. It has additional features beyond the Butterfly, including illuminated pedals for use in dim venues, programmable pedal modes, wireless (Bluetooth) or wired (USB) operation, added heft and ruggedness, and auxiliary outlets for external pedals that can turn the Firefly into a quad pedal system. Try the PageFlip Dragonfly if you want a fully integrated, compact quad pedal. The Dragonfly is a game-changer for those musicians who want two pedal switches for bidirectional page turning, and need an extra pedal switch to quickly jump to another page for repeats (e.g., D.S., Coda). It works great with the Link function in the forscore app. See it in action in the "Handling Repeats in forscore with the Dragonfly" video. Please refer to the comparison chart shown in Table 2.

Who stands to benefit from PageFlip pedals?

PageFlip Bluetooth pedals are wonderful accessories for musicians that don't want to stop playing to turn a page. They're fantastic for guitarists, pianists, violinists, vocalists, and horn and percussion players. They make great gifts for musicians or accessories for amateur players looking to take their playing to the next level. The pedal is also useful in many hands-free applications including teleprompters, medical apps, and foot-activated computer control.

How do I pair the pedal to my tablet/computer? If the name of your PageFlip pedal does not appear on the list of available Bluetooth devices, press the Bluetooth Reset button on the front edge of the pedal to pair your pedal to a tablet/computer. You will notice the lights flash in sequence. After a brief moment, the name of the pedal will appear in the list of devices that are available for pairing. Select the pedal name on the list to complete the pairing. A single mode light will flash slowly (i.e., every four seconds) when connected. This pairing procedure only needs to be performed once, when a connection is first established between the pedal and the tablet. If you wish to pair the pedal with another tablet, it is best to first unpair the pedal from the current tablet before proceeding to pair with a new tablet. On iPads, press the "i" next to the pedal name and select "Forget This Device" to unpair. NOTE: if your pedal does not appear on the Bluetooth list even after pressing the Bluetooth Reset button, please try turning off Bluetooth on your tablet and then turning it back on to pair again. If that still doesn't work, please try replacing your batteries with a new, fresh set of AA alkaline batteries (not rechargeables).

What is the default name of the pedal on the tablet?

On the tablet's Bluetooth screen, the Butterfly will appear as "Dual Pedal" (<V12) or "Pageflip Butterfly" (V12+). The Firefly will appear as "Premium Pedal" (<V14) or "PageFlip Firefly" (V14+). The Dragonfly will appear as "Quad Pedal" (<V5) or "PageFlip Dragonfly" (V5+). The version number appears on the label under the pedal. Please note that the name of the Firefly or Dragonfly pedal can be changed using the PageFlip app, available as a free download from the App Store and Google Play Store. The app reprogramming applies only to Firefly and Dragonfly versions V14+ and V5+, respectively. Butterfly pedals cannot be reprogrammed, although its battery power can be viewed on the PageFlip app for Butterfly V12+ pedals.

Why is the pedal not turning pages?

Confirm that your pedal is paired to your tablet or computer and that the correct pedal mode is selected. You should notice a single pedal LED blinking once every four seconds if the pedal is properly paired. The pedal acts like a Bluetooth keyboard and emits a key press each time the pedal is tapped. The pedal mode determines which key press is emitted. Some page turner software may require arrow keys while others may require PageUp/PageDown or other keystrokes. Try several modes until you find one that works. The default up/down arrow mode works for most applications. If you reprogrammed the mode buttons on the Firefly/Dragonfly, press the "Mode Reset" button on the rear of the pedal to reset to factory defaults. Note for unrealBook, Ultimate Guitar, and GoodReader users on the iPad: please refer to the Apps section of the FAQ for specific app settings. iPad users may also want to consult the "Why is my pedal no longer working with compatible iOS apps"? in the Apps section.

How is the pedal powered?

PageFlip pedals are designed to sip very little power so two AA alkaline batteries will last about a year. We do not recommend using rechargeable batteries as their capacity to hold their charge diminishes over time. Two AA alkaline batteries will last about a year so it is best to avoid the hassle of constantly recharging batteries. The pedal will emit a triple flash LED warning to signal that the batteries should be replaced, but you won't see that for about a year. You may also power the pedal using a USB cable (for Firefly and Dragonfly pedals only). Virtually all users power PageFlip pedals with AA alkaline batteries.

What can I do to see the pedal more clearly in low-light situations?

The black pedal may be hard to see when using it in dim lighting. Firefly and Dragonfly users can simply turn on the Light switch on the front

panel to illuminate the pedals. They are the best choices for users who play in dim venues. To further illuminate the pedals, PageFlip now offers fluorescent self-adhesive stickers for all models of PageFlip pedals. You can order them on pageflip.com under Shop->Pedal Accessories. Please make sure to specify the correct pedal model because the stickers are not interchangeable among the pedals.

Why the names "Butterfly," "Firefly," and "Dragonfly"?

The Butterfly pedal derives its name from the butterfly insect whose graceful wings inspired the pedal's sleek design. The PageFlip Firefly features illuminated pedals so its name is inspired by the gentle glow emitted by the firefly insect. The PageFlip Dragonfly is a quad pedal so it is named after the majestic dragonfly, which has a total of four wings.

Hardware**Does the pedal work with iPad and Android tablets?**

Yes, PageFlip pedals work with all iPad versions and all Android tablets supporting Bluetooth 2.1 or later. However, the pedals only work with apps that accept keyboard commands. The most popular compatible iPad apps are Forscore, OnSong, MobileSheets, unrealBook, and Newzik. The most popular compatible Android apps are MobileSheets, SongBook, Fakebook, GuitarTapp Pro, and ezPDF Reader. The list of compatible software is sure to grow. Please check www.pageflip.com/pages/apps.html for updated information. If you need to use the pedal with an incompatible iOS app, please follow the instructions in Sec. 4.10.

Does the pedal work with Windows/Mac software?

Yes. PageFlip pedals emulate a keyboard that emits key presses. The pedal's emitted signals are determined by the pedal mode buttons. Any page turner software on a computer or tablet (e.g., Surface Pro) running

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Windows or MacOS will be able to interpret these key presses, whether they were triggered by tapping the pedal or any computer keyboard. Try PageFlip pedals with MobileSheets or Power Music Software on Windows.

Does the pedal work with the Kindle?

PageFlip pedals work with Kindle Fire HD but not Kindle Paperwhite or Kindle Scribe. However, Kindle software for the PC, Mac, iOS, and Android works with the pedal. On Android, use the left/right arrow mode instead of the default up/down arrow mode.

Can I connect to multiple iPads?

The pedal can only be connected to one iPad at a time via Bluetooth. It is possible, though, to allow one pedal to control several iPads via software. The forscore iPad app, for instance, has a Cue function that allows users to automatically coordinate page turns and program changes so everyone is literally on the same page. Cue permits one iPad to be registered as the "leader" and send signals to one or more "followers." It uses both WiFi and Bluetooth to discover and communicate with nearby devices, and performance may vary based on environmental factors. Please consult the forscore manual at forscore.co/user-guides.

Can I connect other foot pedals to trigger page turns?

The Firefly features L/R jacks on the rear of the pedal that you can use to plug other foot pedals. The L/R jacks accept 1/8" mono plugs. We deliberately designed this capability to accommodate the preferences of our diverse users. Therefore, if you have any particular pedal or switch that you prefer over the Firefly's integrated pedal, then by all means plug it in! The Butterfly and Dragonfly do not have L/R jacks for external pedals.

Can the pedal withstand rugged abuse?

All PageFlip pedals are made of highly durable plastic that can withstand

stomping and rugged use. The pedals were designed to meet these critical requirements for our most demanding users.

Apps

Which apps work with the pedal?

PageFlip pedals work with any app that responds to arrow keys or PageUp and PageDown key presses. A list of compatible apps can be found in pageflip.com/pages/apps.html. In general, if the app works with a Bluetooth keyboard, it will work with our pedals.

Can the pedal be used with non-compatible iOS apps?

The pedal works with any app that understands the key presses that are emitted by the pedal (e.g., arrow keys). Non-compatible apps require a swiping motion instead of key presses. Please follow the instructions in Sec. 4.10 to allow the pedal to mimic a swiping motion for use with non-compatible apps (e.g., Apple Photos).

Why is my pedal no longer working with compatible iOS apps?

For those customers with iPad Pro and the new Magic Keyboard accessory, there is an accessibility setting that you may choose to use called "Full keyboard access." When this setting is enabled, all other accessories using computer keyboard profiles (including PageFlip pedals) are either ignored or the signals are swallowed up by iOS and not reported to the app. Turning this setting off restores functionality between the device and the app.

Why is the pedal not turning pages on the unrealbook app?

Confirm that your pedal is paired to your tablet or computer and that the Up/Down arrow mode is set on the pedal. This is indicated by a blinking light next to the middle mode button. Then, make sure you go to the app's

settings (tap the gear icon) and set Network → Airturn Setup → Airturn Support to ON. By default, AirDirect is set to ON. Make sure to turn it off by selecting Keyboard since the pedal acts like a keyboard. A checkmark should now appear next to Keyboard. NextSong switches should be left OFF. The Unrealbook app will then respond to the Up/Down Arrow keys.

Why is the pedal not turning pages on the Ultimate Guitar app?

Confirm that your pedal is paired to your tablet or computer and that the Up/Down arrow mode is set on the pedal. This is indicated by a blinking light next to the middle mode button. Then, open the app's Account & Settings → Pedal interface and set Airturn Settings → Keyboard to ON. By default, AirDirect is set to ON. Make sure to turn it off by selecting Keyboard since the pedal acts like a keyboard. A checkmark should now appear next to Keyboard. Then, go back to the pedal interface menu, press "Set up" next to "Scroll tab down" and press the right pedal. Repeat for "Scroll tab up" and press the left pedal. The Ultimate Guitar app will then respond to the Up/Down Arrow keys. In addition, the pedal won't connect with the app if Full Keyboard Access is enabled. To disable this setting, go to Accessibility → Keyboards & Typing → Full Keyboard Access.

Why is the pedal not turning pages on the GoodReader app?

Confirm that your pedal is paired to your tablet or computer and that the Up/Down arrow mode is set on the pedal. This is indicated by a blinking light next to the middle mode button. Then, make sure to activate the "page lock" mode in GoodReader. This permits you to turn pages in a PDF file with a Bluetooth pedal or keyboard. This icon is located at the bottom of the screen, near the right-hand side. It looks like a lock with arrows on each of its four sides. More information about this Lock Page mode is available in the GoodReader PDF Buttons and Control section of the GoodReader manual.

Why is the pedal not turning pages on the MusicNotes app?

Starting with iOS 15.1 and iPadOS 15.1, Apple had modified how the Operating System handles external keyboards, in conjunction with Accessibility settings and controls. With this update, hands-free pedals that emit arrow keys will cycle a cursor through the various buttons when you are viewing a song, rather than turning pages. Please follow the 9-step set of instructions given in the MusicNotes support page to solve this problem. See help.musicnotes.com/hc/en-us/articles/205183375-Hands-Free-Page-Turn-Support.

Why is the pedal not turning pages on the Songbook Pro app?

Confirm that your pedal is paired to your tablet or computer and that the Up/Down arrow mode is set on the pedal. This is indicated by a blinking light next to the middle mode button. Then, consult the SongbookPro support page to get the pedal to trigger your desired actions. See songbook-pro.com/docs/manual/settings/foot-pedals/.

Pedal Settings and LEDs

How do I reprogram the Firefly and Dragonfly pedal settings?

Download the free iOS/Android PageFlip app from PageFlip, Inc. on the App Store or Google Play Store to reprogram all Firefly pedals that are V14 or higher or for all Dragonfly pedals that are V5 or higher. See the label under the pedal for the version number. The app allows you to reconfigure the pedal name, change the timeout period, and map arbitrary key presses, multi-key combinations, Fn keys, and media keys to Firefly and Dragonfly pedals. For all older Firefly and Dragonfly pedals, please download our free Windows/Mac software from pageflip.com/pages/software to reprogram the pedal modes only. It is recommended to overwrite the least frequently used modes (e.g., the rightmost pedal mode). Once a

pedal is reprogrammed, it can be used with any tablet or computer. Press the Mode Reset button on the back of the pedal to revert back to factory settings. Please refer to the Firefly and Dragonfly manuals or our online videos for more details.

When reprogramming using our Windows/Mac software, pair the Firefly or Dragonfly pedal to your computer using Bluetooth. Do not use a wired USB connection during this reprogramming process. Run the PageFlip app/software to display an image of your pedal with overlaid text fields for specifying the desired mode functions. The program should show "Connected" to confirm that the pedal is properly paired to the computer. If not, exit the program and attempt to re-pair the pedal to the computer before running the program again. If the problem persists, the problem may lie in the fact that the computer's Bluetooth does not use a Broadcom chipset. In that case, you will need to acquire a USB Bluetooth 4.0 dongle that uses a Broadcom chipset. The dongle is available in the PageFlip online store . Once the program confirms that the pedal is "Connected" to the computer, click on each pedal field and press a keyboard button or on-screen button to reprogram the selected field. Press "Save" to save the entries. A message will be displayed to confirm the pedal status.

Why are the LEDs not lit when I turn on the pedal?

Make sure to install two fresh AA batteries in the pedal. The Firefly or Dragonfly pedal may also be used without batteries by plugging the pedal into the wall using a USB power cable and any USB AC adapter, such as those already included with iPads/iPhones. It may also be plugged into a computer's USB port for power.

What is the current pedal mode?

An LED is lit next to the current mode setting of the pedal. Simply press a different mode button to change the setting. The LED will turn off once the

pedal enters sleep mode after a timeout (inactivity) period of 30 minutes. This timeout period may be changed using the PageFlip app on Firefly (V14+) and Dragonfly (V5+) pedals only.

What are the different operating conditions signified by the LED?

A solid LED means that the pedal is plugged into a power source (Firefly/Dragonfly only). If the RESET button is pressed, the pedal enters Bluetooth discovery mode and all the LEDs flash in sequence. The LED flashes once per second after the pedal is turned on and is attempting to establish a Bluetooth connection with a paired device. The LED flashes once every four seconds to signal that the pedal is already paired. Repeated bursts of three quick flashes signal a low-battery condition. Please replace the two AA batteries once you see this triple-flash warning. Use AA alkaline batteries only (not rechargeables) for best results.

Do the Firefly/Dragonfly pedal LEDs stay on after the pedal goes to sleep?

The LEDs on the left and right pedals of the Firefly and Dragonfly are designed to remain on if the LIGHT switch is in the ON position. This is the case even if the pedal goes to sleep after 30 minutes of inactivity. Only the blinking mode LED next to the current mode button turns off during sleep mode. In fact, you will know that the pedal is in sleep mode if the pedal is turned on but all the mode LEDs are off.

Bluetooth**What do I do if Bluetooth pairing is unsuccessful?**

Reset Bluetooth on your tablet/computer by turning it off and then turning it on again and attempt to perform Bluetooth pairing again. If that doesn't work, delete the device displayed in the host and press the BLUETOOTH RESET button on the pedal. Initial discovery mode may take up to 10

seconds. Follow your computer's instructions on how to pair Bluetooth devices. Also, please make sure to use two fresh AA alkaline batteries. Do not use rechargeable batteries since they do not hold their charge as well over time.

Is it necessary to pair the pedal each time I use it with the same device?

No, you must only pair the pedal once to a device (e.g., iPad/Mac/Windows computer). There is no need to pair it again once you turn on the pedal or device again. If you find that the pedal loses its pairing, then contact customer support. The only time you need to pair the pedal again with a device is if you paired the pedal to another device in the interim. The pedal only remembers one pairing at a time.

Can the pedal work with computers that have no Bluetooth?

Yes. To maintain wireless Bluetooth connectivity, simply plug in an optional USB Bluetooth dongle into the computer's USB port. The dongle is available in the PageFlip online store. Follow your computer's instructions for adding Bluetooth devices. On the Firefly and Dragonfly, you also have the option of connecting the pedal to the computer with a USB cable for wired connectivity.

Do I need to use a Bluetooth dongle?

The dongle is only needed if you are using the pedal with a tablet or computer that does not support Bluetooth. Note that the dongle is never needed for iPads or Macs since they all have Bluetooth support. Windows and Linux computers may come without integrated Bluetooth support so they are the only candidates for using the dongle. Dongles can be purchased in the PageFlip online store.

Auto Repeat and Shutoff

Why did the pedal automatically shut down?

In an attempt to preserve battery life, the pedal enters sleep mode after an inactivity period of 30 minutes. Tapping a pedal will make the unit attempt to re-establish the Bluetooth connection. This may take a few seconds. The inactivity period may be reprogrammed on Firefly V14+ and Dragonfly V5+ pedals using the iOS/Android PageFlip app. It is not possible to disable this sleep function when operating in battery mode. The Firefly and Dragonfly pedals will never go to sleep if you use the supplied USB cable to connect the pedal to a USB AC adapter or a computer. You will know that the pedal is asleep if the pedal is turned on and there are no blinking lights. If the pedal is awake, a light will blink once every four seconds. It is advisable to tap the pedal once and verify that it turns pages when you want to use the pedal after a long delay lasting over 30 minutes, or however long the inactivity period has been set.

When is the Autorepeat mode appropriate?

The Firefly and Dragonfly pedals feature a REPEAT switch that can be used to emit a rapid succession of commands as long as the pedal is pressed down. Turn on autorepeat by setting the REPEAT switch to the ON position if you are interested in fast browsing or scrolling. Set the REPEAT switch to the OFF position to turn off autorepeat to avoid multiple pages from turning at once if you inadvertently press the pedal too long. It is therefore best to turn off autorepeat during a performance.

Can the pedal turn pages at timed intervals?

No. All PageFlip pedals turn a page only when the user triggers it by tapping a pedal.

Virtual Keyboard

Can I use the virtual keyboard and the pedal at the same time on the iPad?

Press the current mode (CM) button, which lies next to the blinking light, to eject/hide the virtual keyboard. After you press the CM button once, you will be able to access the virtual keyboard to enter text whenever you need it for the duration of your session. Test it by tapping into a text field and confirming that the virtual keyboard appears on the screen.

Can I use the virtual keyboard and the pedal at the same time on an Android tablet?

On an Android tablet (e.g., Samsung Galaxy Tab series), go to Settings → General Management → Language and Input → Physical Keyboard and turn on Show Virtual Keyboard. Use Samsung keyboard as the default.

Digital Sheet Music

Where can I find digital sheet music to download?

The best source for free classical music is the International Music Score Library Project (IMSLP) at imslp.org. Extensive collections of popular music can be found at onlinesheetmusic.com, sheetmusicdirect.com, musicnotes.com, sheetmusicscore.com, or everynote.com. CD Sheet Music from Hal Leonard (halleonard.com) is a great source of scanned classical music conveniently available on CDs. Search the internet for “sheet music download” to get updated results.

How do I import my books or sheet music into my computer?

You must scan the physical pages. For best results, try to avoid the shadows near the book spine by using a flatbed book scanner such as the Plustek OpticBook 3600. Visit www.plustek.com for more details. A more cost-effective solution is to use a great new service provided by

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