PageFlip Butterfly

Wireless Bluetooth Pedal

User Guide

www.pageflip.com

Legal Notice

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Version 1.0
May 1, 2016

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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 Butterfly
FCC ID: XKEPFBUTTERFLY

This equipment complies with FCC radiation exposure limits set for an uncontrolled environment.

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. Safely install and apply power before operating device.
4. Never insert your hand into device while operating it.
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

The device is compliance with RF exposure guidelines, users can obtain
Canadian information on RF exposure and compliance.

Le présent appareil est conforme
Après examen de ce matériel aux conformité ou aux limites d'intensité de champ RF,
les utilisateurs peuvent sur l'exposition aux radiofréquences et la conformité and compliance d'acquérir.

Contents

1   WELCOME

Congratulations on your purchase of the PageFlip Butterfly Bluetooth 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 Butterfly works exclusively with digital documents, web pages, and image collections on any tablet or computer. By simply tapping the dual pedal of the PageFlip Butterfly, the digital content can now be flipped or scrolled in either the forward or reverse directions for convenient hands-free page turning.

The PageFlip Butterfly emulates a standard keyboard and works with any software that uses keyboard strokes to navigate through digital files. For added versatility, the user may select among three modes for the dual pedals: PageUp/PageDown, Up/Down arrow, and Left/Right arrow. Changing modes is as simple as pressing a button. No software installation or programming is required.

The PageFlip Butterfly 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 Butterfly is compact, silent, reliable, 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 computer, open up any digital file, and tap the pedal to begin enjoying hands-free reading. Be prepared to enjoy the benefits of the PageFlip Butterfly Bluetooth pedal for automatic page turning!

2   FEATURES

- **Ease of Use**
  Simply open a digital file and press either pedal of the PageFlip Butterfly 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 a care-giver 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. Select one of three modes: PageUp/PageDown, Up/Down arrow and Left/Right arrow.

- **Wireless Connectivity**
  The PageFlip Butterfly communicates wirelessly with the computer up to a range of 10 meters using standard Bluetooth 3.0 technology. Even if your computer does not have Bluetooth, you can still bring it the full benefits of this wireless pedal by purchasing a Bluetooth USB dongle from `www.pageflip.com` and plugging it into the computer's USB port.

- **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.

- **Unique Pairing**
  Multiple pedals can be operated in the same room without inter-ference. The Bluetooth pairing process uniquely establishes wire-less connectivity between the PageFlip Butterfly and one computer. Bluetooth pairing is automatically achieved without a passkey once the pedal is selected among a list of discovered Bluetooth devices on the tablet/PC.

- **Auto Power-Off Function**
  The PageFlip Butterfly automatically turns itself off 30 minutes after the last operation is performed. The pedal 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.

- **Portability**
  Small lightweight pedal operates on two AA batteries. On average, two AA batteries will last about a year.

- **Technical Support**
  Additional information and video tutorials 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 Butterfly Bluetooth Pedal
2. Quickstart Guide (English/German/French/Spanish)

Figure 1: Package contents: PageFlip Butterfly.

4 BASIC OPERATION

Please read the operating instructions carefully before first use. PageFlip Butterfly 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 Butterfly pedal before inserting the batteries.
2. Remove the battery cover on the bottom of the pedal.
3. Install two new AA batteries.
4. Slide the battery cover back on.

Note: To conserve battery power, turn off device when not in use. The unit automatically turns off after 30 minutes of inactivity, but can awake instantly upon a pedal tap. 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.

4.2   Powering On the Pedal

1. Slide the POWER switch to the On position.

2. The pedal will attempt to pair itself with a computer.

3. For all new pairings, please refer to the Pairing instructions in Sec. 4.3.

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 a pairing is re-established.

6. Make sure the paired computer is on and awake.

Figure 2: Top view of PageFlip Butterfly control panel.

4.3   Bluetooth Pairing

The following instructions describe how to pair PageFlip Butterfly pedals to a computer/tablet.

1. Press the RESET button (Fig. 3) to make the pedal discoverable.
2. Five LEDs will flash in sequence while pedal is in discovery mode.
3. Enable Bluetooth on the computer to be paired.
4. Show Bluetooth devices on the computer and select "Dual Pedal."
5. Note: "Keyboard" may appear momentarily before "Dual Pedal."
6. The LED of the current pedal mode (Sec. 4.4) will now flash slowly (once every four seconds).

Figure 3: Rear view of PageFlip Butterfly.

4.4 Pedal Mode Selection

The PageFlip Butterfly emulates a standard keyboard and works with any software that uses keyboard strokes to navigate through digital files. For added versatility, the user may select among three pedal modes, as shown in Table 1. Simply press a button (Fig. 2) to change the mode. A flashing LED confirms the mode selection.

Pedal Mode	Function
PageUp/PageDown	Turn page
Up/Down Arrow	Turn page or move cursor
Left/Right Arrow	Turn page or move cursor

Table 1: Three 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.

4.5   Virtual iPad Keyboard

The PageFlip Butterfly 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.

5 PRODUCT SPECIFICATION

Item	Specifications
Model Name	PageFlip Butterfly
Model Number	PFBUTTERFLY-01
Dimensions	6.7 x 4.6 x 1.3 inches (171 x 118 x 34 mm)
Weight (w/o batteries)	4.8 ounces (135 grams)
Power Requirements	DC 5V, 500mA (2 AA batteries)
Power Consumption: Operating Mode Bluetooth Pairing Standby Sleep	 4 mA 30-40 mA 1 mA 0.05 mA
Battery Life (2 AA batteries)	200 hours of continuous turning approx. 200,000 page turns
Output Power	-2 dBm to 4 dBm
Operating Distance	10 meters
Operating Frequency	2402-2480 MHz
Operating Temperature	$32^\circ - 140^\circ$ F $(0^\circ$C - 60° C)
Storage Temperature	$-4^\circ - 140^\circ$ F $(-20^\circ$ - 60° C)
Relative Humidity	15% - 90%
Warranty	One year

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

6 MAINTENANCE

Before cleaning the PageFlip Butterfly, the following is recommended:

1. Turn off the power
2. Take out the batteries

Gently wipe the PageFlip Butterfly 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.

7   WARRANTY

PageFlip offers a one-year warranty on the PageFlip Butterfly 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.

8   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. A 20% restocking fee applies. Contact support@pageflip.com for instructions.

Contact us at:
PageFlip, Inc.
Woodmere, NY
USA
support@pageflip.com
www.pageflip.com

9 FREQUENTLY ASKED QUESTIONS

Does the PageFlip Butterfly work with the Apple iPad?
Yes. However, the pedal only works with software that accepts keyboard commands. The most popular compatible apps are forscore, unrealBook, and Deepdish Gigbook. Other compatible apps include DrumSetlist Manager, Hymnals, iCue, iGigBook, iReal b, Loopy, Loopy HD, MuseScore Sheet Music Viewer, Music Binder, MusicReader, MusicPodium, My Lyric Book, NextPage, NextSong, OnSong, PiaScore HD, Play On Cue, Pocket Jamz Guitar Tabs, Pocket Jamz Piano Notes, PrompterPal, SampleWiz, Avid Scorch, Scorio Music Case, SeeScore, Finale SongBook, Sheet Music Direct, Scorecerer, Set List Maker, Setlists, Steinway Etude, TheGigEasy, Virtual Sheet Music, Teleprompt+, and Planning Center Music Stand. Please check `www.pageflip.com` for updated information.

Does the PageFlip Butterfly work with all Android tablets?
The PageFlip Butterfly works with Android tablets that support Bluetooth 2.1 + EDR (or later). This includes virtually all Android tablets. However, the pedal only works with Android apps that accept keyboard commands. Currently, this is limited to MobileSheets, MusicNotes, SongBook, Moon+ Reader, EBookDroid, Cool Reader, and ezPDF Reader. Please check `www.pageflip.com` for updated information.

Does the PageFlip Butterfly work with all Windows and Mac software?
The PageFlip Butterfly dual pedal emulates a keyboard that emits two key presses. The function of those keys is determined by the three mode buttons. Any software on a PC or Mac will be able to interpret these key presses, whether they were triggered by tapping the pedal or any computer keyboard.

Does the PageFlip Butterfly work with the Amazon Kindle?

The PageFlip Butterfly works with Kindle Fire HD. The older Kindle hardware does not support Bluetooth or include a USB port. However, Kindle software for the PC and Mac works with the pedal.

Which software is known to work with the PageFlip Butterfly?

The PageFlip Butterfly works with any software that uses PageUp/PageDown, arrow keys, or mouse clicks to advance through the electronic document. This includes many PDF readers, Microsoft Word, Powerpoint, web browsers, image viewers, and more.

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 `freehandmusic.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 1dollarscan.com. Simply mail them your books, and they will cut off the binding and scan the loose pages at 300dpi for $1 per set of 100 pages. Additional charges apply for scanning at 600dpi or to apply a deskewing algorithm. Visit 1dollarscan.com for more information. Please note that this is a destructive process. You will get a pdf file for each book you send but you will sacrifice your book in the process. They discard the book after

chopping off the binding and scanning the pages.

Can I connect other foot pedals to the PageFlip Butterfly to trigger page turns?
The PageFlip Butterfly does not support external pedals. Please consider our PageFlip Firefly pedal if you wish to use external pedals. The Firefly is equipped with L/R jacks that accept 1/8" mono plugs from other foot pedals. Please visit us at `www.pageflip.com` for additional information.

Why are the LEDs not lit when I turn on the PageFlip Butterfly?
Make sure to install two fresh AA batteries in the pedal.

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 PageFlip Butterfly enters sleep mode after 30 minutes of inactivity.

Why is the pedal not turning pages?
Confirm that the device "Dual Pedal" is paired to your computer and that the correct pedal mode is selected. Some software may require arrow keys while others may require PageUp/PageDown or other keystrokes. Try several modes until you find one that works. Note that if you use unrealBook on the iPad, you must go to the app's settings (tap the gear icon) and set Network->BT Keyboard Connected to ON. NextSong switches can be left OFF. The app will then respond to the Up/Down Arrow keys.

Why is the pedal not turning pages on the unrealbook app?
Confirm that the device "Dual Pedal" is paired to your computer and that the Up/Down arrow mode is set on the pedal. This is indicated by a blinking light next to the middle (third) mode button. Then, make sure you go to the app's settings (tap the gear icon) and set Network->BT Keyboard

Connected to ON. The app will then respond to the Up/Down Arrow keys.

What are the different operating conditions signified by the LED?
A solid LED means that the pedal is plugged into a power source. 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.

Why did PageFlip Butterfly automatically shut down?
Automatic shutdown occurs after 30 minutes of inactivity. Tapping a pedal will make the PageFlip Butterfly attempt to re-establish the Bluetooth connection. This may take a few seconds. If the computer continues to be unresponsive to the pedal, press the RESET button.

What do I do if Bluetooth pairing is unsuccessful?
Delete the device displayed in the host and press the RESET button on the pedal. Initial discovery mode may take up to 30 seconds. Follow your computer's instructions on how to pair Bluetooth devices.

Must the the pedal be paired 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.

Does PageFlip Butterfly work with computers that have no Blue-

tooth?
Yes, only after you plug in an optional USB Bluetooth 3.0 dongle (not included) into the computer's USB port. Bluetooth dongles are available on `www.pageflip.com`. Follow your computer's instructions for adding Bluetooth devices.

Does PageFlip Butterfly turn pages at timed intervals?
No. PageFlip Butterfly turns a page only when the user triggers it by tapping a pedal or activating an external switch.

Can I use the virtual iPad keyboard and pedal at the same time?
Press the current mode (CM) button, which lies next to the blinking light, to hide/eject the virtual keyboard (on V5 pedals only). Only the forScore app allows the virtual keyboard to appear on the iPad screen when the pedal is on, without requiring to press the CM button. To allow this mode in forScore, go to the forScore settings by tapping on the "..." upper right icon. Then, select "Settings" and scroll down to "Force virtual keyboard" and set it to "On". You will now be able to access the virtual keyboard to enter text without having to turn off the pedal. In any other compatible app on older pedals, you will have to turn off the pedal to access the virtual keyboard and then turn the pedal back on to resume hands-free page turning.

Can the PageFlip Butterfly withstand rugged abuse?
Don't let the compact and lightweight PageFlip Butterfly fool you. It is made of highly durable plastic that can withstand stomping and rugged use. The pedal was designed to meet demanding standards.

Why the name "Butterfly"?
The pedal derives its name from the butterfly because the sleek design of the dual pedal is inspired by the graceful shape of the butterfly wings.

Please visit us at `www.pageflip.com` for additional information, including manuals and videos. Please send email to `support@pageflip.com` with any technical questions or comments.