



AirTurn BT-105 Manual

Thank you for your purchase of the AirTurn BT-105 Wireless Page Turner. We hope you enjoy the wonderful convenience of hands-free page turning.

Please send your suggestions and comments to info@airturn.com

Description

The AirTurn BT-105 enables hands-free, wireless page-turning for electronic documents. Ideal for musicians, the BT-105 provides a simple, uncluttered solution, allowing your eyes to stay on the page while your hands remain on your instrument.

The BT-105 will work with most Bluetooth equipped MAC and PC computers. No additional software is required. It also works with most momentary switches to activate the Page Down and Page Up functions of most document programs such as Adobe Acrobat, Microsoft Word, and PowerPoint.

The BT-105 can be used with one foot switch to turn pages forwards only, or with two foot switches to turn forwards and backwards. [see fig. 1]

Fig. 1 BT-105 with Two Foot Switches

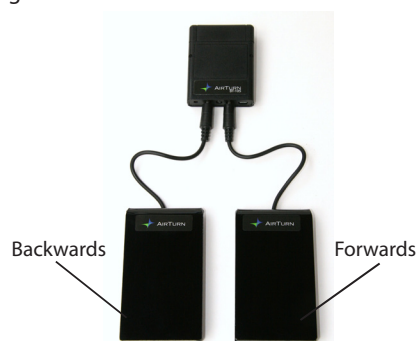
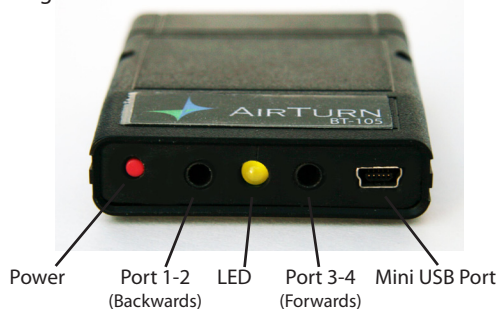


Fig. 2



The BT-105 also works with select apps for the Apple iPad™ that have been designed to be compatible with the BT-105.

The BT-105 consists of a power switch, two 3.5mm stereo ports for foot switches, an LED indicator, and a mini USB charging port for the internal rechargeable battery. [see fig. 2]

Setup and Pairing

To use the BT-105 with your MAC, PC, or iPad, make sure the host computer you are using is in discovery mode. (Check the instructions that came with your computer or Bluetooth dongle. For iPad users, go into "Settings", then select "Bluetooth" and make sure it is turned on). Turn on the BT-105 by pressing the red power button and holding for 1 second. The LED will blink 3 times and attempt to pair with your computer, blinking once every second. Once paired, it will blink once every two seconds. Your host computer may require validation to accept pairing from the BT-105. If it requires a code, use 0000 (four zeros).

On the iPad, under the "Devices" heading within the Bluetooth settings, you should see the BT-105 appear either as a keyboard, or as "AirTurn" with a serial number. Press on "Not Connected" to connect and complete the pairing process. Once connected, the BT-105's LED will blink green once every 2 seconds.

Resetting the Bluetooth Pairing

To reset Bluetooth pairing on the BT-105, turn the unit on. Press the red power button and hold it for 8 seconds until you see a rapid succession of red and green lights, then release. If pairing is unsuccessful, delete the device displayed on the host computer and reset the BT-105 pairing again. Initial discovery may take up to 30 seconds (longer on some older PC and

MAC computers). To delete the BT-105 from the iPad's Bluetooth Device listing, tap the blue arrow button next to BT-105's serial number and connection status text ("Connected" or "Not Connected"), then press the "Forget this Device" button.

Note: You must reset pairing for both devices every time you change to a different host device, such as using it with your desktop and then your iPad.

Turning off the BT-105

Turn off the BT-105 by pressing the red power button for 2 seconds until the LED turns red. The LED will blink red once and then shut down.

Profiles

There are four profiles that come ready to use on your BT-105. Profiles are used to send different signals to the host computer depending on the computer and the application being used. The default profile is set for the Apple iPad (Profile 3). The other most commonly used profile is for the generic use of page turning on the PC or MAC (Profile 1).

To change to the PC or MAC profile (Profile 1), turn off the BT-105. Then, holding down the foot switch plugged into Port 1-2 (the port closest to the red power switch), turn on the BT-105. Release the foot switch as soon as you see the LED blink. The LED will then blink red, then green, then red, indicating that the profile has been set.

To change the profile back to the iPad mode (Profile 3), repeat the same procedure using the foot switch in Port 3-4 (the port closest to the USB port). Keep the foot switch depressed until

Fig. 3



Changing BT-105 profile to iPad mode

you see the first LED blink, then release. The LED will then blink red, then green 3 times, then red. [see fig. 3]

The following tables show each profile and respective signals:

Profile 1 set using switch 1 on startup (PC/MAC Mode)

Port 1	PgUp
Port 2	Enter
Port 3	PgDn
Port 4	Space

Profile 2 set using switch 1 and 3 held together

Port 1	1
Port 2	2
Port 3	3
Port 4	4

Profile 3 set using switch 3 held on startup (Default Setting – "iPad Mode")

Port 1	Up Arrow (Previous Page)
Port 2	Left Arrow
Port 3	Dn Arrow (Next Page)
Port 4	Right Arrow

Profile 4 set using switch 2 held on startup (cable splitter required)

Port 1	~1
Port 2	~2
Port 3	~3
Port 4	~4

(See on-line support for additional information.)

iPad Virtual Keyboard

Some applications require the use of the keyboard to enter text or to interact with the application. Since the BT-105 is an external keyboard, the iPad by default disables its own virtual keyboard.

To activate the iPad's virtual keyboard, open any text box on the iPad. Then quickly press the red power switch while the BT-105 is connected to the iPad. If you close the virtual keyboard from within the application, you can repress the power switch to activate it again. This is a toggle switch, so pressing it will toggle the virtual keyboard on and off.

Charging

Important: Please charge your BT-105 before using it the first time. Use the enclosed USB cable with a wall power adapter, or connect it to your USB port on your computer. A full charge will need approximately 2 hours with a wall adapter and 6 hours through a computer.

Your BT-105 should last 80-100 hours on a full charge depending on how much you use it. On a full charge, the LED will blink green. When the power is low, the LED will blink as follows:

Yellow every second = under 25% power
Red every second = under 10% power

Charge your unit through the mini USB port with the cable provided, attaching the other end to any powered USB port on a computer or with a USB wall charger. Depending on the source of power, it will take 1-6 hours for a complete charge. Note that if the BT-105 is turned off while charging, the LED indicator will not light up. If you leave the BT-105 on while it is charging, the LED will remain lit and you can monitor the charging status. Red is a low charge, yellow is 75% charge and orange/green is a full charge. Note, that the unit will still charge while turned off.

Note: If you fail to charge your battery when it begins blinking red, you risk running it down completely which will require a factory replacement.

Compatible Foot Switches

Most normally open (NO) momentary switches will work well with the BT-105. Please visit <http://airturn.com/faq-pedals/faq-compatible-pedals> for a list of compatible switches. Some foot switches have a latch mode. Be sure that the latch mode is turned off and/or the momentary mode is turned on. Port 3-4 is used to turn to the next page, and Port 1-2 is used to turn to the previous page.

For best results use the AirTurn ATFS-2 foot switch or the Boss FS-5U foot switch with AirTurn patch cables. Check the AirTurn store or your dealer for cable adapters for other brands of foot switches.

Troubleshooting

Nothing happens when the power button is pressed.

Make sure your BT-105 has been charged for at least one hour.

The power light comes on and an orange light blinks when a connected foot switch is pressed, but nothing happens on my computer/iPad.

First, make sure your BT-105 is properly paired with your PC/MAC/iPad (see "Setup and Pairing" above). Reset the BT-105 pairing by turning the unit on, then holding the power button for 8 seconds until you see a rapid succession of red and green lights.

If your BT-105 is properly powered and paired to your PC/MAC/iPad, but nothing happens when you press a connected foot switch, first be sure that you are working with a compatible program (you can see an up to date list of compatible iPad apps online at www.airturn.com/ipad-apps/). Be sure to check the compatible apps links for specific additional instructions to enable BT-105 usage. Finally, make sure that the BT-105 is in the correct mode. See "Profiles" above for instructions on changing profiles.

Additional Tips for iPad Users

On the iPad, be sure to close all applications from time to time. Also do a general network reset. (Settings, General, Reset, Reset Network Settings.)

Go to www.airturn.com/support for more information and videos on the BT-105. Additional questions can be emailed to support@airturn.com

Warnings

- Do not plug any device that generates an electric current into the BT-105 foot switch ports.
- Do not get the BT-105 wet or place in direct sunlight for extended periods of time.
- Do not open the unit, as there are no user serviceable parts.
- Do not put in trash. Please recycle.

Bluetooth Radio Information

Bluetooth 2.1/2.0/1.2/1.1

Bluetooth v2.0+EDR support

Low power

Approximate Range

After One Wall 60 feet

After Two Walls 55 feet
After Three Walls 36 feet

Profile Identification

The profile name in your Bluetooth host consists of several codes to help with support and identifying your specific device. For example:

AirTurn105v120-220A

105 refers to the model number.

V120 refers to the firmware version.

220A refers to the MAC address.

This is helpful if there are many BT-105 units in the same location. Your MAC address will always be the same so you can easily identify your unit. You will find your specific MAC address labeled on the bottom of your BT-105.

Warranty

AirTurn, Inc., ("AirTurn"), warrants to the first consumer purchaser that the AirTurn BT-105 transmitter and receiver (the "Product"), when shipped in its original container, will be free from defective workmanship and materials, and agrees that it will, at its option, either repair the defect or replace the defective Product or part thereof with a new or remanufactured equivalent at no charge to the purchaser for parts or labor for one year from date of purchase.

This warranty does not apply to any appearance items of the Product nor to any Product the exterior of which has been damaged or defaced, which has been subjected to misuse, abnormal service or handling, or which has been altered or modified in design or construction. Nor does it apply to cables or batteries that may be supplied.

In order to enforce the rights under this limited warranty, the purchaser should request a RMA number via email or phone following the directions on the support page at www.airturn.com/support. The purchaser shall return the product at their expense. The repaired or replaced product will be returned at the expense of AirTurn.

The limited warranty described herein is in addition to whatever implied warranties may be granted to purchasers by law. ALL IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE ARE LIMITED TO ONE YEAR FROM THE DATE OF THE PURCHASE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

The warranties described herein shall be the sole and exclusive warranties granted by AirTurn and shall be the sole and exclusive remedy available to the purchaser. Correction of defects, in the manner and for the period of time described herein, shall constitute complete fulfillment of all liabilities and responsibilities of AirTurn to the purchaser with respect to the Product and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise. In no event shall AirTurn be liable, or in any way responsible, for any damages or defects in the Product which were caused by repairs or attempted repairs performed by anyone other than an authorized servicer. Nor shall AirTurn be liable or in any way responsible for any

incidental or consequential economic or property damage. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE. 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.

CAUTION: 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.

Revision 2.0

FCC ID:T9J-RN42

Part 15 Subpart B: 2008 Class B

CRF Title 47 Part 15 Subpart C

Electronic components and construction comply with RoHS standards.

Packaging is recyclable. Please recycle.

Contains Lithium Polymer Battery. Battery should be disposed of according to local law.



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