



EW|5000

Quickstart Guide
English (3 – 5)

Guía de inicio rápido
Español (6 – 8)

Guide d'utilisation rapide
Français (9 – 11)

Guida rapida
Italiano (12 – 14)

Schnellstart-Anleitung
Deutsch (15 – 17)

Appendix
English (18 – 19)

Quickstart Guide (English)

Introduction

Box Contents

EWI 5000	Neck Strap
USB Wireless Receiver	EWI 5000 Editor Software (download)
USB Cable	Quickstart Guide
USB Power Adapter	Safety and Warranty Manual

Support

For the latest information about this product (system requirements, compatibility information, etc.) and product registration, visit akapro.com/ewi5000. (We recommend downloading the full *EWI 5000 User Guide* and sound editor software from the website, too.)

For additional product support, visit akapro.com/support.

Getting Started

Important

Before operating the EWI 5000, please note the following:

- **Do not bite the mouthpiece too hard**—this can damage the vibrato sensor. Use the mouthpiece cover after using or while carrying the EWI 5000.
- **Always touch the grounding plate and octave rollers when playing.** These are sensors which use the performer's body as the ground.
- **Keep the mouthpiece clean** before, during, and after using the EWI 5000. You can clean its outer surface with disinfectant alcohol.

1. Power the EWI 5000

The EWI 5000 has an internal rechargeable battery. Charge it by using the included USB cable to connect the EWI 5000's USB port to one of the following:

- the included USB power adapter, connected to a power source
- an available USB port on your computer, powered on

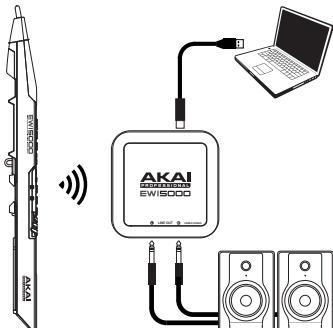
When the battery power is low, an LED on the Program/Data Display will blink to indicate that you should charge the battery.

When you are finished playing, power off the EWI 5000 to preserve its battery life.

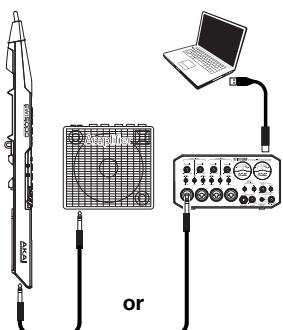
2. Hold the EWI 5000 Properly

1. Secure the neck strap to the EWI 5000's neck strap mount.
2. Place the strap around your neck and hold the EWI 5000 in the same way you would hold a saxophone or clarinet, with the instrument vertically in front of you.
3. When playing, place your left thumb on the octave rollers in the back, and place your right thumb on the grounding plate between the pitch bend plates. This will ensure the best possible conductivity and performance of the instrument.



3. Connect**To play EWI 5000 audio wirelessly:**

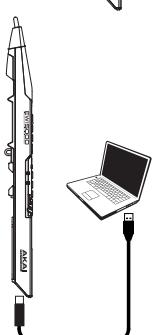
1. Use the included USB cable to connect the USB wireless receiver to your computer.
2. Press the EWI 5000's **Power Button** to power it on.
3. Press the USB wireless receiver's **Pair Button**.
4. Set the EWI 5000's **Wireless Switch** to **On**. It will then "connect" to the USB wireless receiver. The USB wireless receiver will send the EWI 5000's audio to your computer and to its Line Outs. (The USB wireless receiver's Line Outs will not play any signal from your computer.)

**To play EWI 5000 audio through an external amplifier, audio interface, etc.:**

1. Use a standard 1/4" (6.35mm) cable to connect the EWI 5000's **Line Out** to the line-level input of your keyboard amplifier, audio interface, etc.
2. Press the EWI 5000's **Power Button** to power it on.
3. Set the EWI 5000's **Wireless Switch** to **Off**. The EWI 5000 will then send audio to your keyboard amplifier, audio interface, etc. when you play.

**To play EWI 5000 audio through headphones:**

1. Connect standard 1/8" (3.5mm) stereo headphones to EWI 5000's **Phones** jack.
2. Press the EWI 5000's **Power Button** to power it on.
3. Set the EWI 5000's **Wireless Switch** to **Off**. The EWI 5000 will then send audio to your headphones when you play.

**To play EWI 5000 as a wired MIDI controller:**

1. Use the included USB cable to connect the EWI 5000's USB port to your computer.
2. Press the EWI 5000's **Power Button** to power it on.
3. Set the EWI 5000's **Wireless Switch** to **Off**. The EWI 5000 will then send MIDI data to your computer via USB when you play. (It will not send any audio.)

4. Play!

Hold the mouthpiece gently between your lips with your teeth, and exhale so your breath passes through both sides of your mouth. The EWI 5000 detects this wind pressure with the breath sensor and expresses the change in sound volume and character, depending on how you blow. (It should not take much breath to activate the instrument.)

Tips:

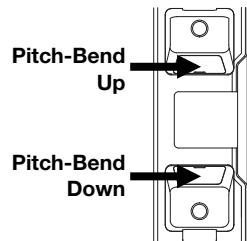
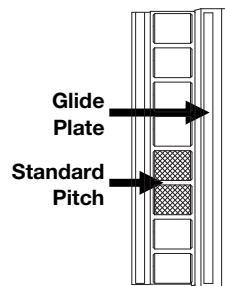
- There is a vibrato sensor in the mouthpiece. You can produce a vibrato effect by gently biting the mouthpiece, which will bend the pitch down each time you bite, but do not bite too hard.
- You can create small bursts of air by tonguing the mouthpiece for even more expressive control.

Note Keys: The note keys are sensors that let you produce sound with only a light touch. The EWI 5000 has multiple fingering options, so it can feel familiar to saxophonists, flutists, etc. You can adjust the position of the three lowest keys by loosening the screws that hold each of them in place.

Octave Rollers: Place your left thumb between any two octave rollers (and over the grounding plate) on the EWI 5000's back panel. Slide your thumb up or down across the octave rollers to shift its octave range up or down. While playing, keep your left thumb in contact with the octave rollers. The position between the two knurled octave rollers indicates the standard pitch.

Glide Plate: While playing a note, move your thumb across the octave rollers (without rolling them) while touching the glide plate on their right side to create a "glide" effect. This will smoothly and continuously slide the pitch up or down—a technique known as *portamento*.

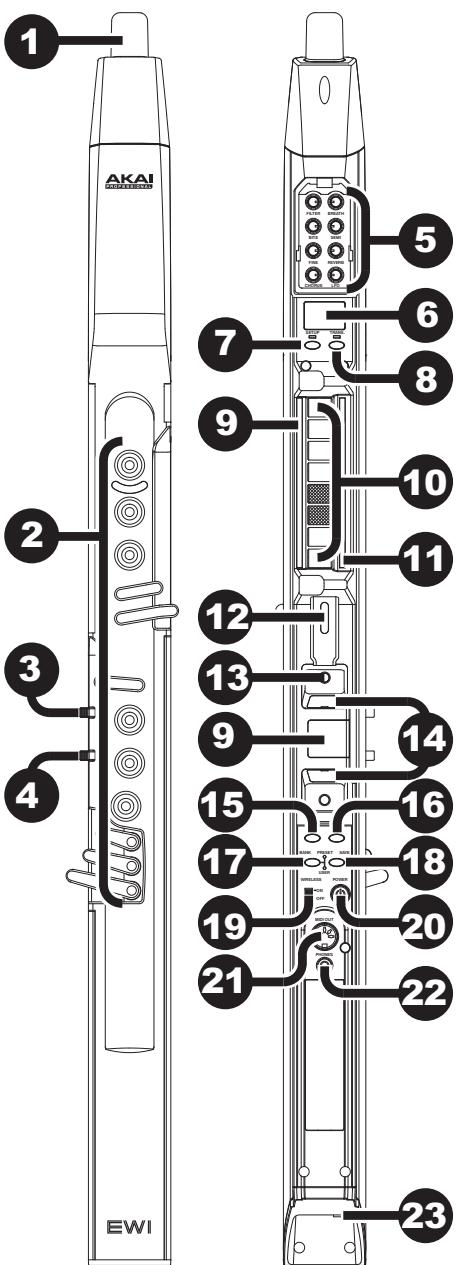
Pitch Bend Plates: Touch your thumb to either of these plates to move the pitch of the note you are playing up or down. Touch the upper plate to bend the pitch upward or the lower plate to bend the pitch downward. Before you get accustomed to using these plates, you may produce unexpected sounds by touching them accidentally. You can adjust the position of each plate by loosening its screw.



Important: If the EWI 5000's note keys, octave rollers, pitch bend plates, or glide plates are not very responsive, it could be because you are playing with dry hands (the EWI 5000 works by using the body's capacitance). If this happens, you can use a very small amount of non-greasy hand lotion to improve the connection between your hands and the keys.

Features

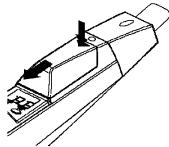
- Mouthpiece:** Hold the mouthpiece gently in between your lips with your teeth and exhale into it (like a traditional wind instrument). You can produce a vibrato effect by gently biting the mouthpiece while blowing into it, but **do not bite too hard**.
- Note Keys:** Press these keys in different combinations while blowing into the mouthpiece to determine the note. You can adjust the position of the three lowest note keys by loosening their screws.
- Hold Button:** Press this button to enter Hold Mode. While in Performance Mode (the default), press this button to move to the next-highest Program. While in Setup Mode, press this button to increase the value.
- Octave Button:** Press this button to enter Octave Mode. While in Performance Mode (the default), press this button to move to the next-lowest Program. While in Setup Mode, press this button to decrease the value.
- Parameter Knobs:** These eight knobs control the settings of the current Program's basic characteristics. (See the **Sound Parameter Adjustment** section for more information.)
- Program/Data Display:** Shows the Program number or the setting value.
- Setup Button:** Press this button to enter Setup Mode. Its LED will light up when you are in Setup Mode.
- Trans (Transpose) Button:** Press this button to activate or deactivate the transposition function. Its LED will light up when transposition is activated. To adjust the transposition value, press and hold this button and press the Hold Button to increase it or the Octave Button to decrease it.
- Grounding Plate:** Always keep your right thumb on this plate while playing.
- Octave Rollers:** Move your thumbs up or down over these rollers to shift the note keys' range up to four octaves in either direction. Always touch these octave rollers while playing.



11. **Glide Plate:** Touch this plate while playing a note to produce a "glide" effect, which smoothly and continuously slides the pitch up or down—a technique known as *portamento*.
12. **Neck Strap Clip:** Connect the included neck strap here.
13. **Program Button:** Without touching any note keys, touch this button to display the current Program (internal sound) in the Program/Data Display. You can then press the Hold Button to move to the next Program or press the Octave Button to move to the previous Program.
14. **Pitch Bend Plates:** Touch the upper or lower plate while playing a note to raise or lower its pitch, respectively. You can adjust the position of these plates by loosening their screws.
15. **FX (Effects) Button:** Press this button to show the overall Reverb level in the Program/Data Display. You can then press the Hold Button to increase the level or press the Octave Button to decrease the level.
16. **Level Button:** Press this button to show the Main Output level in the Program/Data Display. You can then press the Hold Button to increase the level or press the Octave Button to decrease the level.
17. **Bank Button:** Press this button to switch between the bank of Factory Programs and the bank of User Programs. The Program/Data Display will show the current Program number.
18. **Save Button:** Press this button to save the current settings to the current User Program.
19. **Wireless Switch:** Selects whether or not the EWI 5000 is connected to the USB wireless receiver. The USB wireless receiver must be connected to your computer for the EWI 5000 to connect to it. When the connection is made, the USB wireless receiver's Paired/Power LED will light up. If the connection is lost, reset it by pressing the USB wireless receiver's Pair Button.
20. **Power:** Press this button to power the EWI 5000 on or off.
21. **MIDI Out:** Use a standard five-pin MIDI cable to connect this port to an external sound module's MIDI In port, allowing you to use the EWI 5000 as a MIDI controller for that sound module.
22. **Phones:** Connect headphones (optional, sold separately) here with a stereo 1/8" cable.
23. **Line Output:** Use a 1/4" TRS cable to connect this output to the input of a keyboard amplifier, audio interface, speaker system, etc.
24. **USB Port:** Use a standard USB cable to connect this port to an available USB port on your computer. USB audio will be sent from the EWI 5000 to your computer over this connection. This connection will power the EWI 5000 and charge its battery.

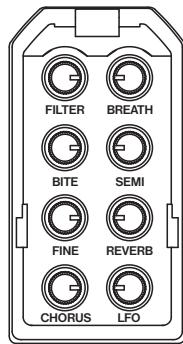
Advanced Functions

Sound Parameter Adjustment



The EWI 5000's sound engine is powered by SONiVOX sounds and is sample-based rather than synth-based. You can adjust each sound to your preference by using (1) the included sound editor software and/or (2) EWI 5000's eight parameter knobs (remove the cover above the Program/Data Display to expose the knobs).

The eight parameter knobs control the settings of the current Program's basic characteristics:



- Filter** Adjusts the filter cutoff frequency.
- Breath** Adjusts the breath sensitivity (how much the force of your breath affects the sound).
- Bite** Adjusts the bite sensitivity (how much biting the mouthpiece affects the sound).
- Semi** Adjusts the tuning by semitones (half-steps).
- Fine** Adjusts the tuning by fractions of a semitone.
- Reverb** Adjusts the amount of reverb applied to the sound.
- Chorus** Adjusts the amount of chorus applied to the sound.
- LFO** Adjusts the amount (amplitude or depth) of the low-frequency oscillator.

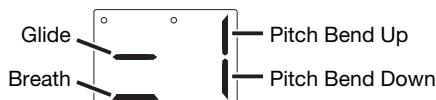
If you like the adjustments you have made and want to save them into the preset, press the **Save Button**.

You can make further adjustments to even more parameters by using the EWI 5000 sound editor software. Go to akapro.com/ewi5000 to download the latest version and learn how to use it.

Sensor Adjustment

The **breath**, **glide**, and **pitch bend** sensors have been set to optimal values at the factory, but we recommend adjusting them to your preference to get the most out of your performance.

To adjust a sensor, press the **Setup Button** to enter Setup Mode. The Program/Data Display will indicate the sensor being adjusted. Press the **Hold Button** to increase the value or the **Octave Button** to decrease the value.



Fingering Modes

The EWI 5000 offers several different fingering modes to accommodate different styles of playing. The following steps explain how to set or change the fingering mode of the EWI 5000 to suit your needs.

1. Press and hold the **Setup Button**.
2. Press the **Hold Button** or **Octave Button** to scroll through the options until **Fn** (Fingering) is shown in the Program/Data Display.
3. Release the **Setup Button**. The Program/Data Display will display the current mode. Use the **Hold Button** or **Octave Button** to select any of the following options:
 - **EI** (standard EWI fingering): This is the standard fingering system for the EWI 5000. This is based on the fingering of conventional woodwind instruments.
 - **SA** (saxophone fingering): This fingering closely represents the fingerings of a standard saxophone. (In this mode, the EWI will ignore fingers that are two notes below the highest note.)
 - **FL** (flute fingering): This fingering closely represents the fingerings of a standard C flute. There are, however, a couple new fingerings that flutists will have to familiarize themselves with to properly adapt their performance to the EWI 5000.
 - **Ob** (oboe fingering): This fingering closely represents the fingerings of a standard oboe.
 - **Ev** (EVI fingering): *EVI* stands for *electric valve instrument*. This fingering may be useful to players who wish to use fingerings closer to those of a brass instrument.
 - **Er** (EVI fingering with reversed octave rollers): This fingering most closely duplicates the movement of the left wrist on an actual EVI. We recommend this mode for experienced EVI players.
4. Press the **Setup Button**. The EWI 5000 will return to Play Mode.

Learn More

This Quickstart Guide is meant to outline the basic features of the EWI 5000 so you can start playing immediately. Visit akaipro.com/ewi5000 and download the full EWI 5000 User Guide to learn more about:

- Selecting and assigning internal sounds (with the Program Key)
- Using and assigning functions to the Octave Button, Hold Button, and Pitch Bend Plates
- Adjusting the main volume, Program volumes, and effects volumes
- Transposition and tuning
- Editing the internal sounds with your computer
- Using the EWI 5000 as a MIDI controller

The User Guide also contains other tables and charts you may find helpful:

- Fingering charts
- MIDI implementation charts
- Menu structure (as shown in the Program/Data Display)
- Technical specifications
- Troubleshooting

Appendix

MIDI Implementation Chart

Manufacturer: Akai Professional	Model: EWI 5000	Version: 1.00	Date: 2013.12.05
	Transmit/Export	Recognize/Import	Remarks
1. Basic Information			
MIDI channels	1-16	1-16	
Note numbers	047-075	N	
Program change	N	N	
Bank Select response? (Yes/No) If yes, list banks utilized in remarks column	N	N	
Modes supported: Mode 1: Omni-On, Poly (Yes/No) Mode 2: Omni-On, Mono (Yes/No) Mode 3: Omni-Off, Poly (Yes/No) Mode 4: Omni-Off, Mono (Yes/No) Multi Mode (Yes/No)	N	N	
Note-On Velocity (Yes/No)	Y	N	
Note-Off Velocity (Yes/No)	N	N	
Channel Aftertouch (Yes/No)	Y	N	
Poly (Key) Aftertouch (Yes/No)	Y	N	
Pitch Bend (Yes/No)	Y	N	
Active Sensing (Yes/No)	N	N	
System Reset (Yes/No)	Y	Y	
Tune Request (Yes/No)	N	N	
Universal System Exclusive: Sample Dump Standard (Yes/No) Device Inquiry (Yes/No) File Dump (Yes/No) MIDI Tuning (Yes/No) Master Volume (Yes/No) Master Balance (Yes/No) Notation Information (Yes/No) Turn GM1 System On (Yes/No) Turn GM2 System On (Yes/No) Turn GM System Off (Yes/No) DLS-1 (Yes/No) File Reference (Yes/No) Controller Destination (Yes/No) Key-based Instrument Ctrl (Yes/No) Master Fine/Coarse Tune (Yes/No) Other Universal System Exclusive	Y	Y	Used for software configuration
Manufacturer or Non-Commercial System Exclusive	Y	Y	Used for software configuration
NRPNs (Yes/No)	Y	Y	Used for software configuration
RPN 00 (Pitch Bend Sensitivity) (Yes/No) RPN 01 (Channel Fine Tune) (Yes/No) RPN 02 (Channel Coarse Tune) (Yes/No) RPN 03 (Tuning Program Select) (Yes/No) RPN 04 (Tuning Bank Select) (Yes/No) RPN 05 (Modulation Depth Range) (Yes/No)	N	N	
2. MIDI Timing and Synchronization			
MIDI Clock (Yes/No)	N	N	
Song Position Pointer (Yes/No)	N	N	
Song Select (Yes/No)	N	N	
Start (Yes/No) Continue (Yes/No) Stop (Yes/No)	N	N	
MIDI Time Code (Yes/No)	N	N	
MIDI Machine Control (Yes/No)	N	N	
MIDI Show Control (Yes/No) If yes, MSC Level supported	N	N	
3. Extensions Compatibility			
General MIDI compatible? (Level(s)/No) Is GM default power-up mode? (Level/No)	N	N	
DLS compatible? (Level(s)/No) (DLS File Type(s)/No)	N	N	
Standard MIDI Files (Type(s)/No)	N	N	
XMF Files (Type(s)/No)	N	N	
SP-MIDI compatible? (Yes/No)	N	N	

Technical Specifications

MIDI Output Channels Over USB	1
Note Keys	13
Octave Rollers	2 mobile, 2 fixed; 5-octave range
Plates	2 ground, 2 pitch bend
Terminals	1 slave connector (MIDI over USB)
Accessories	USB cable Neck strap Quickstart Guide Safety and Warranty Manual
Power	USB bus-powered
Dimensions (width x depth x height)	23.1" x 2.75" x 2.75" 587 mm x 70 mm x 70 mm
Weight	1.3 lbs 0.59 kg

Specifications are subject to change without notice.

Note Regarding the Declaration of Conformity

 **Allgemeinhinweis zur Konformitätserklärung:** Hiermit erklären wir, daß sich das Gerät **EWI 5000** in Übereinstimmung mit den grundlegenden Anforderungen der europäischen Richtlinie 1999/5/EG befindet. Die vollständige EG Konformitätserklärung kann unter folgender Adresse angefordert werden:

inMusic GmbH
Halskestrasse 16-18
D – 47877 Willich
GERMANY

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FCC statement in User's Manual (for class B)

Federal Communication Commission Interference Statement

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.

FCC Caution:

1. This device complies with Part 15 of the FCC rules/ [Industry Canada licence-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.
2. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.
3. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

IMPORTANT NOTE : (For Mobile Device Configuration)

FCC Radiation Exposure Statement:

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



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