Flow Digital Wind Instrument User Manual

midiplus

v1.1.5

Introduction

Congratulation on your purchase of the midiplus wind instrument - "Flow". It has 84 different voices, including QuDi, BangDi, HuLuSi, BaWu, Xun, SuoNa, Alto Saxophone, Tenor Saxophone, Clarinet, Flute, Piccolo, Trumpet, Trombone, and more. It features a high-fidelity speaker and a 5000 mAh Li-ion battery for on-the-go playing. Flow supports low-latency Bluetooth MIDI, USB MIDI, and 3.5 mm MIDI out connections for connecting to iOS, MacOS, or PC devices, allowing you to use high-quality voices and making it easy to create music. Before using Flow, please read this manual carefully to quickly understand its features and basic operation.

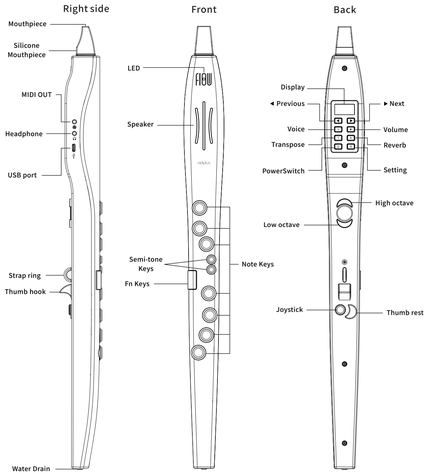
Main Features

- Design with a streamlined appearance
- Removable silicone mouthpiece
- 84 voices
- Built-in DSP reverb
- Built-in 3W speaker
- 2 Fingering Charts
- Breath sensitivity can be set to custom or selected from 5 presets
- 7 breath curves
- 12 semitone transpositions and 4 octave shifts
- 16 MIDI channels
- Bluetooth MIDI and Bluetooth Audio
- USB MIDI and 3.5mm MIDI output
- Customizable Fn key and joystick controls
- High-capacity 5000mAh lithium-ion battery

Cautions

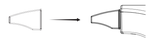
- The product contains a rechargeable lithium battery that provides up to 5 hours of normal performance when fully charged.
- When the battery level is low, the power indicator will rapidly flash, and the device will automatically shut down after 5 minutes.
- Using the product continually while the battery power is low may decrease its performance and lifespan. It is recommended to connect and charge the Flow with a suitable power supply immediately.
- When charging the device with an adapter, select a adapter that meets the standard requirements.
- The Flow will turn off automatically after 15 minutes of no use to conserve power.
- During times of prolonged non-use or thunderstorms, unplug the charging cable.
- Do not disassemble, drop, crush, or throw the battery, and discontinue use immediately if the battery and cease usage immediately if there is significant expansion.
- Do not expose the equipment to high temperatures. Also, if the battery is exposed to water, do not continue to use it.
- This product is not intended for use by children under the age of three years.

Panel Descriptions



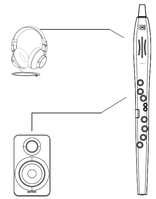
Quick Start

Step 1: Attach the included silicone mouthpiece onto the Flow mouthpiece.

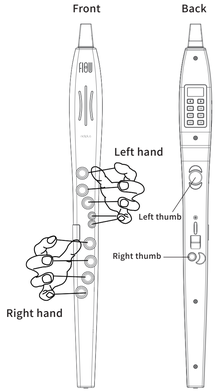


Step 2: Press and hold the Power button to power on. (Press the Power button to display the battery life)

Step 3: Connect your headphones or external speakersto the headphone jack if needed. The built-in speaker will automatically mute when connected.
(Note: Please turn off external speakers before connecting.)

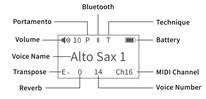


Step 4: Place your fingers on the keys as shown in the figure and start playing, for more fingerings, please refer to the "Fingering Chart".

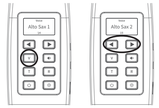


Feature Panel

Main Display

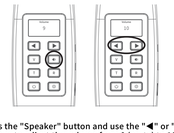


Voice Selection



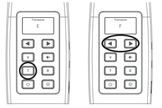
Press the "V" button and use the "◄" or "►" buttons to select from the 84 voices. The default is voice 1. Pressing both "◄" and "►" simultaneously will quickly return to Voice 1.

Volume Control



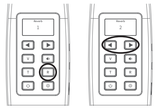
Press the "Speaker" button and use the "◄" or "►" buttons to adjust the volume from 0 (mute) to 10 (maximum volume). The default volume is 10.

Transpose Setting



Press the "T" button, then use the "◄" or "►" buttons to transpose up or down, the default is "C".

Reverb setting



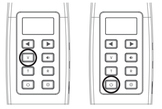
Press the "R" button, then use the "◄" or "►" buttons to select the reverb level. "0" represents no reverb,and "10" represents maximum reverb. The default reverb level is "3".

Battery Level

Press the Power button to see the battery level on your device. You can also check the battery status by checking the front LED light as shown in the table below.

LED Status	Battery Status
Steady on	Normal or fully charged
Breathing	Charging
Fast blinking	Battery level below 20%

Restore Factory Settings



Turn off the device. Press and hold the "V" button then press and hold the "Power" button to turn on the device. Use the "►" button to restore factory settings or press the "◄" button to cancel reset.

Settings Menu:

Basic Settings

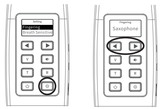
Press the "Settings" button to access the settings menu, then use the "◄" or "►" buttons to select the desired function.
"Setting": Confirm, enter the next level menu
"Power": Cancel, return to the previous menu
"◄": Previous, Decrease
"►": Next, Increment

Note: The settings menu allows you to preview effects. In the second or third-level menu, simply move to the desired item and play to preview the corresponding effect.

Octave Shift

Adjust the overall octave shift for Flow. It supports octave shift settings of -2 to +2. The default octave setting is "0".

Fingering Chart Selection

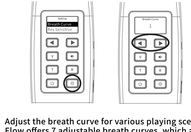


Set the Flow fingering to either "Saxophone" or "DiZi". The default setting is Saxophone. For details, please refer to the fingering chart.

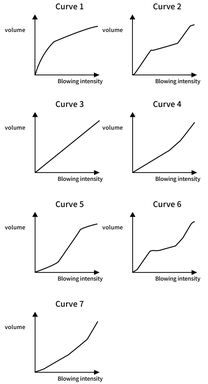
Breath Sensitive

Flow features 5 preset and customizable sensitivity levels for breath control, ideal for most users. When custom sensitivity is selected, the higher the value, the easier it is to play. The default breath sensitivity is Preset "1 (Higher)".

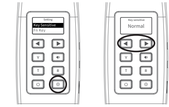
Breath Curve



Adjust the breath curve for various playing scenes. Flow offers 7 adjustable breath curves, which are illustrated in the diagram below.

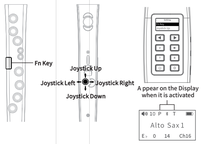


Key Sensitive



Adjust the response speed of the note keys. There are 3 levels available. Increasing the response speed may result in unexpected notes when multiple fingers are pressed. The default sensitivity setting is "Standard".

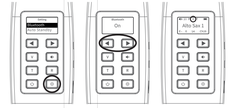
Fn key and Joystick



Flow offers an Fn key and a joystick controller for assigning functions. The specific functions that can be customized are listed in the following table.

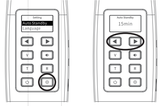
Specific Functions	Assignable Controllers	Functional Description
Pitch Bend Up	Joystick	To bend the pitch up
Pitch Bend Down		To bend the pitch down
CC#		Control the CC# value
Modulation	Joystick and Fn Key	Modulate the sound
Next Voice		Switch to the Next Voice
Voice 1		Temporarily switch to the desired voice, operate again will return to the previous one
Transpose to C		Temporarily transpose to any key, operate again will return to previous key
Portamento		Toggle the Protoamento on and off. The "P" icon will appear on the Displaywhen it is activated
Technique		Extends to activate performance technique voice; releasing will return to normal voice. The "T" icon will appear on the Display when it is activated
off		Disable the joystick or Fn key function
Sharp	Fn Key	To sharp the note by a semitone when it is activated
Flat		To flat the note by a semitone when it is activated
Next MIDI Ch.		Switch to the next MIDI channel

Bluetooth



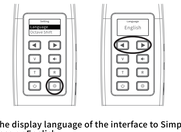
Turn Flow's Bluetooth feature on or off. When turned on, Bluetooth MIDI and Bluetooth Audio are activated simultaneously. The Bluetooth icon is flashing in the main display.

Auto Standby



Set the time for automatic power-off when idle. Choose from the following options: Off, 15 minutes, 30 minutes, or 60 minutes. The default setting is 15 minutes.

Language



Set the display language of the interface to Simplified Chinese or English.

Advanced Settings

Portamento Speed

There are 5 options for adjusting the Portamento Speed. Level "1" corresponds to the slowest setting, level "5" corresponds to the fastest setting, and level "6 (user)" is a customizable option. The default setting is "3(Normal)".

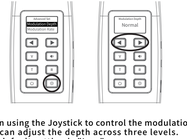
Pitch Bend Range

When Pitch Bend is assigned to the joystick, the range of the joystick's pitch bend movement can be adjusted from the center position to the maximum position within a range of 1 to 12 semitones; the default range is 2 semitones.

Auto Modulation

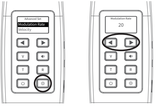
Set weather to automatically modulation while playing. When this option is turned "on", the played sound will automatically trigger modulation. It is "Off" by default. The modulation is affected by "modulation depth" and "modulation speed".

Modulation Depth



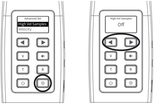
When using the Joystick to control the modulation, you can adjust the depth across three levels. The default setting is "Low".

Modulation Rate



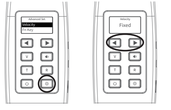
This feature allows you to adjust the modulation rate - lower value will result in a lower modulation rate, while higher value willresult in a higher modulation rate. The default setting is "60".

High Velocity Samples



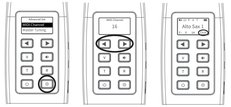
Set whether to trigger the High Velocity Samples when playing with strong blow,when set to off, high velocity samples cannot be triggered by hard blowing intensity. The default setting is "Variable". For voice withhigh velocity sample, please refer to the Voice List.

Velocity



Sets the note velocity value to either Variable or Fixed. When set to fixed, the velocity sent byFlow will be fixed at 100. The default setting is "Off".

MIDI channel

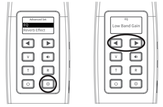


Set the MIDI output channel when using Flow as a MIDI controller. There are 16 channels available for Bluetooth MIDI, USB MIDI, and MIDI OUT. You can also assign the Fn key as "Next MIDI Ch." to change the MIDI Channel quickly.

Master Tuning

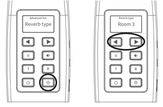
For fine tuning of intonation, the standard pitch frequency is adjustable. The range can be adjusted between 430 Hz and 450 Hz with 1 Hz increments. The default frequency is 440Hz.

EQ



Set the gain for the four frequency bands of low-frequency, low-midrange, mid-high range, and high-frequency, which can be adjusted according to personal preference.

Reverb Effect



Adjust the reverb type and time according to different playing styles. FLOW provides 8 reverb types (3 room reverbs, 2 hall reverbs, plate reverb, delay, phase delay) and 10 reverb time adjustments.

Chorus Effect

Set the level of chorus effect for the sound. There are 5 level adjustable, the default level is "0".

USB MIDI

Flow can function as a MIDI controller when connected to a computer via USB. Once turned on and connected to an available USB port, the computer will automatically install the driver. To use Flow as a MIDI controller, locate and select "Flow" in the MIDI input port of the DAW. Set the volume to 0 if you prefer not to hear Flow's built-in sounds when using it as a MIDI controller.

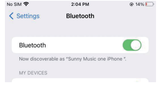
Bluetooth connection

Flow's Bluetooth connection offers Audio and MIDI connectivity options. Each mode has distinct differences in connectivity and operation. With Bluetooth Audio connection, you can play along with music from your phone through Flow speakers or headphones. With Bluetooth MIDI connection, Flow is a MIDI controller for use with a DAW application on your phone.

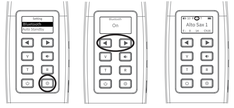
(Note: Bluetooth connections may experience delays due to various factors including the surrounding environment, wireless interference, transmission distance, and device differences. These delays are not indicative of faults.)

Connecting Bluetooth Audio

1. Enable Bluetooth in your smartphone's settings.

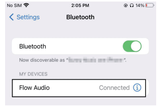


2. Navigate to Flow's settings menu, locate the "Bluetooth" option, and toggle it to "On".



3. For the initial connection, locate and connect to "Flow Audio" in the "Other Devices" category on your phone's Bluetooth page.

4. Once the "Connected" notification is displayed, you can start playing music from your smartphone. (Note: if you need to adjust the music volume, please adjust it on your phone).



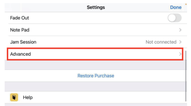
Connecting Bluetooth MIDI

Refer to steps 1 and 2 in the "Connecting Bluetooth Audio"guide to activate Bluetooth on both your phone and Flow. Let' s use "GarageBand" for iOS as an example.

Step 1: Launch GarageBand and choose an instrument. Next, click on the gear icon located in the upper-right corner.

Step 2: Tap on the "Song Settings".

Step 3: Tap on the "Advanced".



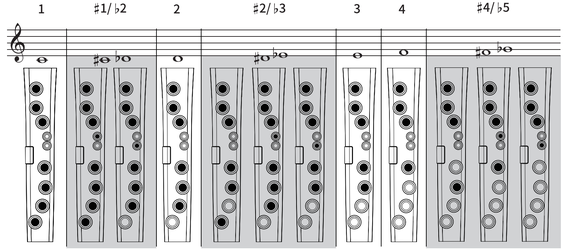
Step 4: Tap on the "Bluetooth MIDI Devices".

Step 5: Find and select "Flow MIDI" in the list of devices. If "Connected" is displayed, the connection has been successful.

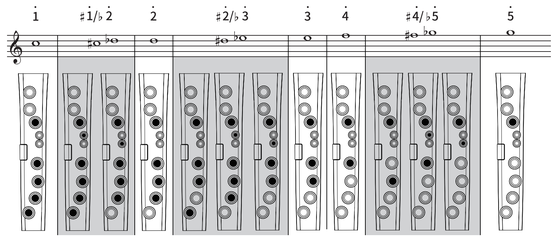
Fingering Chart

Note keys (Front Panel): ● Pressing ○ Release

Saxophone

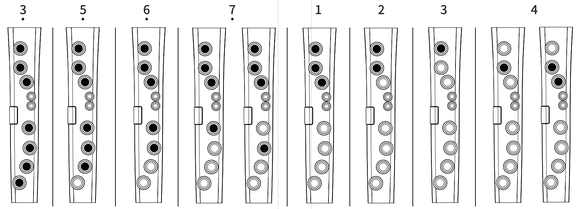


The alternative fingerings of some higher octave notes:

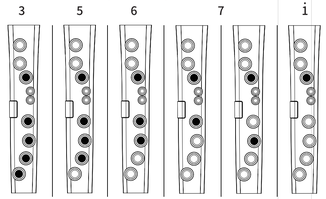


DiZi

When in the key of G, fingering as below:



The alternative fingerings of some higher octave notes:



Voice list

No.	Voice	High Velocity Samples	Performance Technique	No.	Voice	High Velocity Samples	Performance Technique	No.	Voice	High Velocity Samples	Performance Technique
1	Qudi	Upper mordent	Growling	29	Whistle 1	Slide	Slide	57	Cello	–	–
2	Bangdi	Layer 2	Growling	30	Whistle 2	–	–	58	Contrabass	–	–
3	Hulusi	Appoggiatura	Trill	31	Okarina	–	–	59	Shakuhachi	–	–
4	Bawu	Upper mordent	Upper mor dent	32	Recorder	–	–	60	Tinkle Bell	–	–
5	DongXiao	Upper mordent	Art fill	33	Uilleann pipes	Slide	Slide	61	Synth Vocal 1	–	–
6	NanXiao	–	–	34	Border pipes	Slide	Slide	62	Synth Vocal 2	–	–
7	Xun	–	Cry	35	Trumpet	–	–	63	Synth Vocal 3	–	–
8	Suona	–	Growling	36	Trombone	–	–	64	Synth strings 1	–	–
9	MaTouQin 1	–	Trill	37	Trbn. Damper	–	–	65	Synth strings 2	–	–
10	MaTouQin 2	–	Trill	38	Tenorhorn 1	–	–	66	Syn. Brass 1	–	–
11	MaTouQin 3	–	Trill	39	Tenorhorn 2	–	–	67	Syn. Brass 2	–	–
12	Erhu	–	Tremolo	40	Tuba	–	–	68	Brass ensemble 1	–	–
13	Guzheng	Vibrato	Tremolo	41	Alphorn	–	–	69	Brass ensemble 2	–	–
14	Alto sax 1	–	–	42	French horn	–	–	70	Brass ensemble 3	–	–
15	Alto sax 2	–	–	43	English horn	–	–	71	Brass ensemble 4	–	–
16	Tenor Sax 1	Layer 2	Layer 2	44	Harmonica 1	–	–	72	Orch. Hit	–	–
17	Tenor Sax 2	Layer 2	Layer 2	45	Harmonica 2	–	–	73	New Age	–	–
18	Tenor Sax 3	Growling	Growling	46	Drawb. Organ	–	–	74	Warm Pad	–	–
19	Soprano Sax	–	–	47	Perc. Organ	–	–	75	Choir Pad	–	–
20	Baritone Sax	–	–	48	Church organ	–	–	76	Bowed	–	–
21	Clarinet	–	–	49	Reed organ	–	–	77	Synth Voice 1	–	–
22	Bass clarinet	–	–	50	Accordion 1	–	–	78	Synth Voice 2	–	–
23	Oboe	–	–	51	Accordion 2	–	–	79	Synth Voice 3	–	–
24	Bassoon	–	–	52	Violin 1	–	–	80	Synth Voice 4	–	–
25	Piccolo	–	–	53	Violin 2	–	–	81	Synth Voice 5	–	–
26	Flute 1	–	–	54	Violin 3	–	–	82	Synth Voice 6	–	–
27	Flute 2	–	–	55	Violin 4	–	–	83	Synth Voice 7	–	–
28	Pan Flute	–	–	56	Violin 5	–	–	84	Synth Voice 8	–	–