

Universal Piper - Pocket bagpipe

User Manual – updated 14/08/2017

If you use Pocket Bagpipe with a MIDI instrument and/or Garagband, please read carefully chapter 5 regarding audio and MIDI configuration.

1. Sound panel



PANIC: stops immediately the chanter and the drones.

INSTRUMENTS: allows you to select an instrument.

INITIAL SETTINGS: reset the instrument to its initial settings if modified (tone, tuning,...).

LOCKED A: locks the tuning for all instruments, eliminating the need to tune each preset for the desired tuning.

440 Hz: force the tuning to 440 Hz.

TUNE: defines the A3 frequency.

KEY: modifies the key +/- 12 semi tones around the original key of the instrument.

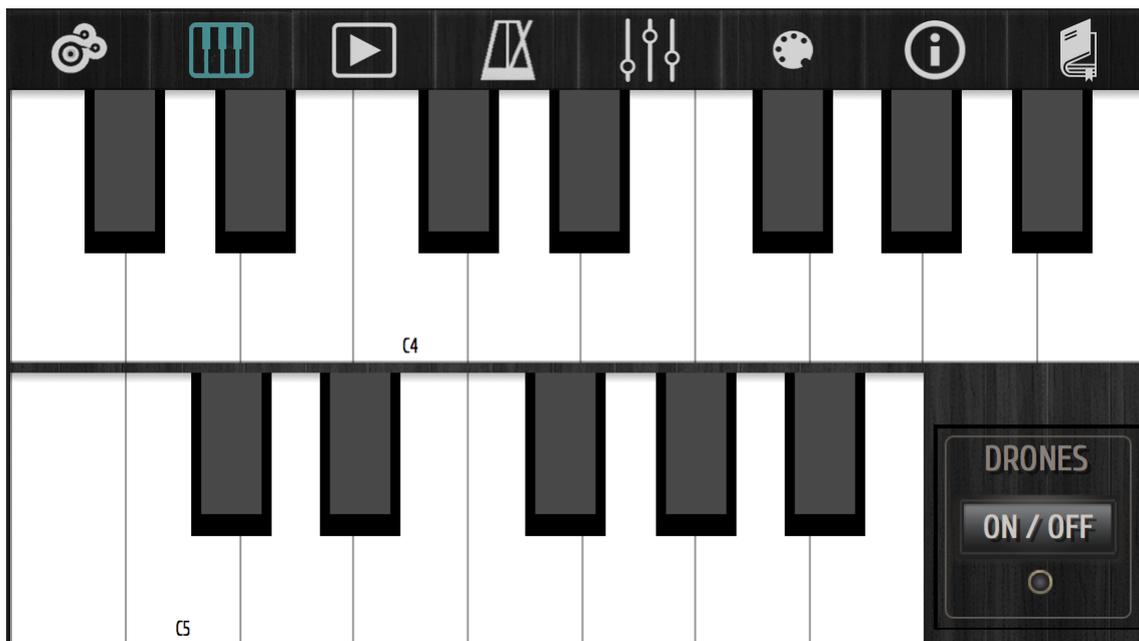
TEMPERED: replaces the original instrument scale by a tempered scale.

VOLUME: Universal Piper master volume.

DRONES: balances the volume between the drones and the chanter.

Preset selection bar: Displays all loaded instruments. If program changes are defined it will display only those instruments.

2. Piano keyboard



This keyboard automatically adjusts to the available notes of the selected instrument.

Note that the extreme notes might not be active; for example G3 for a GHB. Those notes are only displayed for comfort purpose.

3. Player



BWW and MIDI files can be loaded either through iTunes or from another application as *.BWW and *.MID file extensions are associated to Universal Piper - Pocket Bagpipe (Note: doesn't work with Safari).

The MIDI track that contains the most MIDI events is considered as the chanter track. Only this track is loaded from a MIDI file.

If the MIDI playback is corrupted, increase the audio latency. (See section 5 Preference Audio and MIDI).

Loading or playing MIDI or BWW files through UPiper.

From the web or another iOS App:

iOS will ask if you want to open MIDI or BWW files in UPiper

From your computer:

- Connect device into computer,
- Select device in iTunes,

- Select apps, scroll down to documents area,
- Select UPiper,
- Drag to window or Add MIDI or BWW to load onto device,
- Tunes will show up on the pull down menu on the Player screen.
- To delete a file, select the file in iTunes and press Cmd + Backspace

TRANSPOSITION: adjusts the key of the file being played to match the selected instrument. Usually BWW are recorded one semi-tone off the Bb3 for GHB and MIDI files sometimes one octave off. **Important: this setting may require to be tuned for each file if the recorded files are in different keys.**

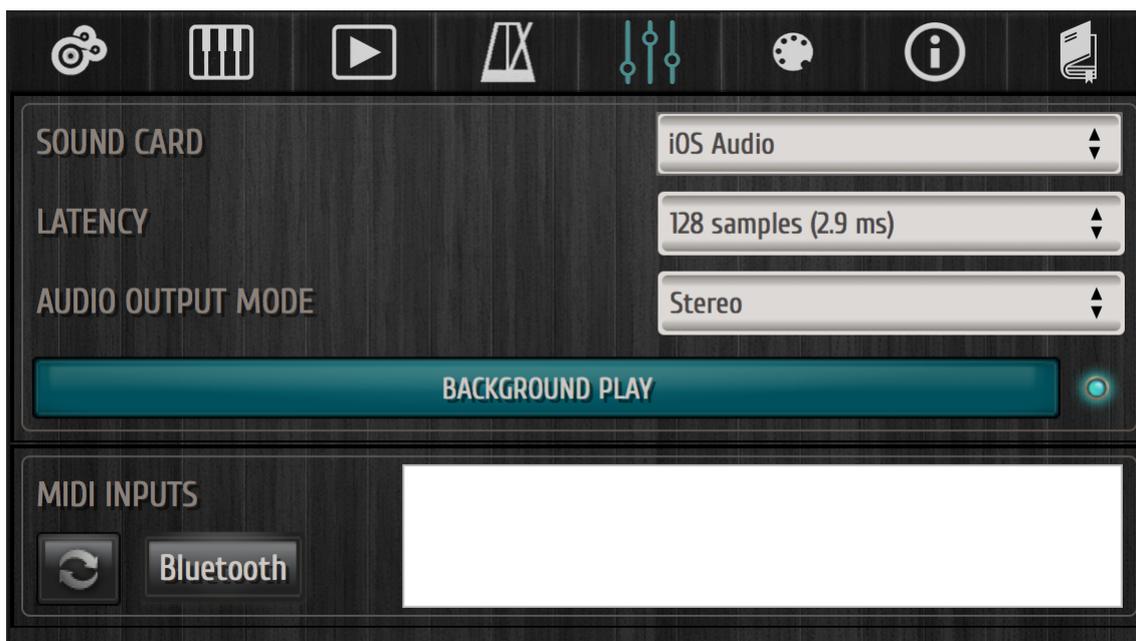
ARTICULATION (only BWW): defines how tight the grace notes are to be played.

4. Metronome



Well it's a metronome...

5. Preference audio and MIDI



Sound output configuration

Default output is set to iOS Audio. The device will automatically switch depending on system configuration. Airplay will display in the pull down if available.

Latency : Is the delay between when the note is played (through internal piano or external MIDI device) and the sound is generated. The lower the value the faster the response. However, the lower the value, the higher the processing power required. If you reach your iOS device limit, you will hear some cracks in the sound. Experiment with the settings depending on your device and the presets.

The latency defined in Pocket Bagpipe is only valid when using Pocket Bagpipe alone. When using Pocket Bagpipe with other Apps such as Garageband or iTunes, those Apps force a latency to their desired value usually a higher one.

BACKGROUND PLAY:

Universal Piper is designed to play background so that you can consult a score or use another audio application at the same time. Using Universal Piper with another audio application requires more processing resources and may require to increase latency.

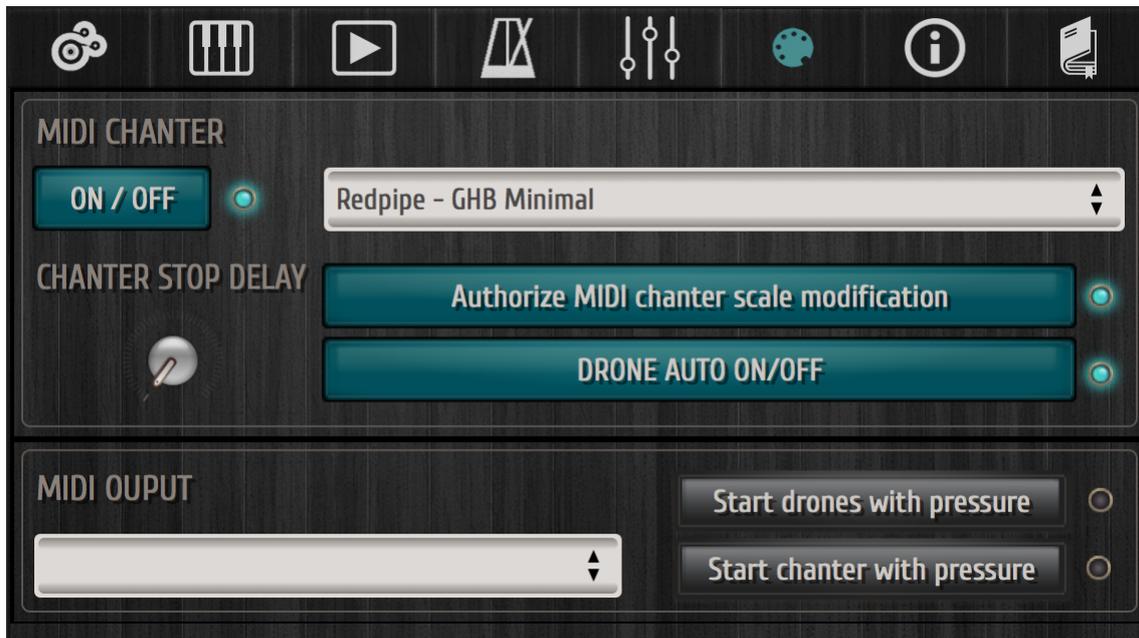
You can deactivate this feature in order to save processing resource or battery when the Pocket Bagpipe is not active.

MIDI input configuration

Universal Piper - Pocket Bagpipe is compatible with all CoreMIDI devices such as iRig, MIDIMobilizer, MiPuc, and USB-MIDI convertors using a camera kit.

- Connect the MIDI devices/s to your device,
- Wait a few seconds or click on the update button to register the MIDI device/s
- Select or deselect MIDI devices in the window using the red/green buttons.

6. Panneau MIDI instrument configuration



DRONE AUTO ON/OFF :

start and stop the drones automatically together with the chanter. Note : this option is also applied to the keyboard. If you're not playing legato, the drones will stop at each chanter silence.

If you use a MIDI chanter, activate the MIDI Chanter button and select the desired MIDI chanter and according fingering. If your chanter is not in the list, please contact us. A generic MIDI chanter is available that is configured with a Bb3 as a root note.

Authorize MIDI Scale Modification:

If this option is active, Universal Piper transposes automatically the MIDI chanter scale into the instrument original scale (mixolydian for GHB, specific for Gaita and Uilleann Pipe). Thus the chanter scale is usually shortened to the instrument original notes. For MIDI chanter with almost chromatic scale, this option might be deactivated.

When MIDI chanter is activated, MIDI channel 15 is reserved for keyboard or other device input. If MIDI chanter is deactivated, all MIDI channels are allocated to keyboard or other device.

CHANTER STOP DELAY: this option defines the delay before the chanter is really stopped. This allows to erase short note breaks when playing not perfectly legato. It is also applied to the keyboard.

7. Uploading Universal Piper V4 instruments

Universal Piper - Pocket Bagpipe (UPiper App) uses Universal Piper version 4 sound engine.

Registered PC/Mac owners of V4 can upload their sound, presets and midi configuration. It is not possible to upload instruments or MIDI settings unless the PC/Mac version is fully registered.

To upload instruments from PC/Mac to Universal Piper - pocket bagpipe

On the PC/Mac registered version of Universal Piper

- Select the PREFERENCES panel,
- Select: INSTRUMENTS / OPEN FOLDER,



- Plug device to computer,
- Select device in iTunes,
- Select apps, scroll down to documents area,
- Select UPiper,
- Drag to window or Add the following files from folder on

computer:

- All .UPL files
- upiper_preset.PST file (Contains your instruments)
- upiper_config.xml file (MIDI configuration file)

Once uploaded or copied onto device, restart the app on device.

Instruments will show up along the Preselection Bar.

A message in the information panel indicates that the modification is taken into account.

Note: The app will need to be restarted each time a modified instruments file is loaded onto the device.