

**Version 5.1 Build 0**

Platform	Improvement
Win/Mac	Improved instrument selection: lists now only show instrument names, alphabetically ordered, and with a submenu when more than one voice for it is available. Also MLP voices have been renamed as EP (Expansion Packs) voices.
Win/Mac	Improved pitch detection in Practice pane.
Win/Mac	Support for new round-robin, multi-layered, multi-mics drums of EP01 (3 Tablas, a Pakhawaj, a Dholak and a Naal).
Win/Mac	More consistent playback of rhythmic patterns between multi-layered and normal drums.
Win/Mac	New cells selection options: At Bar, At Beat, All
Win/Mac	Some bug fixing

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Platform	Improvement
Win/Mac	<p>Practice pane: new PITCH view in Melody section that lets you check your pitch accuracy in real time. It works in the following modes:</p> <ul style="list-style-type: none"><li>• Over Tune: shows alankars or melodies and highlights the notes as the voice settles over them</li><li>• Free: lets you sing freely and highlights the notes being hit</li><li>• With Support: plays the closest raga note to your pitch on the current instrument</li><li>• With Accompaniment: you can sing freely, and the current instrument will follow you like an accompanying musician</li></ul> <p>There are also specific controls:</p> <ul style="list-style-type: none"><li>• Speed Adjustment: lets you adjust the tempo on the fly (for the Over Tune mode)</li><li>• Difficulty: adjusting this slider will ensure the accuracy is calculated from a loose to a strict way</li></ul>
Win/Mac	You can now accompany your practice using a MIDI keyboard and attaching it to the instrument of your choice in the Practice pane.
Win/Mac	Add audio effects like reverb, EQ, etc... (not included) to any instrument in the

	Practice pane, including your voice.
Win/Mac	Record your practice session as an audio/MP3 file with a simple click
Win/Mac	You can now select the output audio channels that should include your voice. This allows for streaming directly from SwarShala into tools like Zoom or OBS.
Mac	Fixed a problem where some characters in Hindi phrases were missing
Win/Mac	In the Cell Properties, you can now enter Lyrics at specific positions. These are then displayed in the sequence, when toggling a new "LYRICS" button.
Win/Mac	Practice pane views can now be opened to full screen
Win/Mac	Now automatically reopens last Practice session used
Win/Mac	Sequence numbering now always starts from Sam, even when Sam is not on first beat.
Win/Mac	Ready for latest MLP8 instruments: Cello and Double-Bass.
Win/Mac	Alankars are now available for all ragas and selectable in Practice pane.
Win/Mac	Various bugs fixed
Win/Mac	New help section at <a href="http://swarclassical.com/guides/swarshala">swarclassical.com/guides/swarshala</a> containing drill-down information on the user interface, as well as topics on the main SwarShala features.

**Version 4.1 Build 4**

Platform	Improvement
Win/Mac	Ready for the new ML Pack 8 – Physically-modeled bowed strings pack.

**Version 4.1 Build 3**

Platform	Improvement
Win/Mac	Fixed a problem where MIDI recording was condensed on the first 2 measures of the track.
Win/Mac	Learn Pane: set the proper notes for scales in the Parent Scale page, Raga section

**Version 4.1 Build 1**

Platform	Improvement
Win/Mac	Compose pane: drag mouse over cells to select them

Win/Mac	Compose pane: Cell Properties dialog can now handle multiple selections. It applies the changes to all selected cells.
Win/Mac	Compose pane: Cell Properties dialog: emphasis, pitch and octave values can be set by dragging up and down or by double-clicking and replacing current value.
Win/Mac	Compose pane: default Volume Envelope now at mid height. Anything above increases volume, below reduces it
Win/Mac	Compose pane: items dragged into a track now retain their default tempo
Win/Mac	Practice pane: improved selection of rhythmic cycles (list sorted, previous cycle retained when possible, etc...)
Win/Mac	Practice pane: photos were missing for some instruments
Win/Mac	Practice pane: low pitch table was not tuned according to Sa
Mac	Universal binary: will run natively on both Intel and arm (Silicon) based Macs

## Version 4.1 Build 0

Platform	Improvement
Win/Mac	New Language field (Tools > Options > Other Settings) now allows you to switch between English and Hindi. On Mac, the whole software has been translated. On Windows, only the Learn pane, due to a limitation in the framework used on that platform. We hope to cover the other screens soon.
Win/Mac	New Nomenclature field (Tools > Options > Other Settings) now allows you to switch between Indian or Western nomenclature in the software. For instance pitches will display as “White One”, “Black Two” in the former and as “C”, “C#” in the latter.
Win/Mac	New Notes Naming field (Tools > Options > Other Settings) now allows you to define how notes appear in the software. The default is the Hindusthani (North Indian) notation (Re komal, Ma tivra, ...) but if you select Carnatic in this field, any raga for which a Melakartha is specified will display its notes in the Carnatic (South Indian) tradition (R1, R2, R3, G1, ...).
Win/Mac	New Font Name fields (Tools > Options > Other Settings) now allow you to use a different font both for English and Hindi display. Obviously, for Hindi a Unicode-compatible font with the right glyphs is required.
Win/Mac	Now supports ML Pack 7 instruments (if you purchased the pack).
Win/Mac	Includes about 50 new Veena raga bases (obviously sounding best with the new MLP7 Veena)
Win/Mac	Raga View: pitch adjustment (Shrutis) sliders now include value in cents, which can be changed by dragging or by double-click.
Win/Mac	Fixed and improved missing instrument images on tracks
Win/Mac	Exported MIDI files now include tempo information
Win	Fixed a crash on Karaoke Editor, when adding lines
Win/Mac	PDF export: added raga name (and Melakartha if selected)
Win/Mac	New Reset Pitch on Note option in the Sequence Properties dialog. By default, SwarShala resets pitch bendings between modulated notes, but some melodies with intricate meend (pitch modulation) curves sound better without that. You can then uncheck that option for that sequence.
Win/Mac	Various other improvements and bug fixing.

**Version 4.0 Build 0**

Platform	Improvements
Win/Mac	<ul style="list-style-type: none"><li>• redeveloped from scratch in C++ (no more Java nor Flash)</li><li>• uses SwarPlug 4 for sound output (same quality, latest ML sound packs)</li><li>• all tutorial texts and captions as external XML files</li><li>• practice pane: dual tanpura, swarmandal, etc...</li><li>• compose pane (sequence view): full undo/redo, expression/vibrato/meend curves, fractional rhythms/melodies, export to PDF (including detailed one), vertical/horizontal zoom, includes dozens of aalaps, ...</li><li>• compose pane (raga view): over hundred ragas featured, fine-tuning of shrutis</li><li>• compose pane (tracks view): complete functionality of Swar Studio (instrument/audio/aux tracks, MIDI/audio recording, import of SwarShala 3 songs, etc...)</li></ul>