

# Ambitus Version History

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## Version 1.2

- New: 8va/8ba/15ma/15mba bass indicators with extensible lines
- Improved: Playing techniques and octave lines can be moved further away from the staff if desired by entering a number between 1 and 7 afterwards
- Changed: Digits and hyphen/minus are now “empty characters” (they only modify other glyphs, but aren’t rendered by themselves)
- New: Parenthesized notes/noteheads/accidentals

## Version 1.1

- New: Soprano, mezzosoprano, and percussion clefs
- New: X-shaped and triangular noteheads
- New: Open/closed playing techniques (for Hi-Hat and other percussion, but usable with any note), above or below the staff
- Removed ambitus.exe (standalone Windows executable of ambitus.py) temporarily because of a number of false-positive virus scan reports

## Version 1.0

Features:

- Quarter, half and whole notes, with or without stems
- Pitches from three ledger lines below the staff up to three ledger lines above the staff
- Sharp, flat, natural, double sharp, double flat accidentals
- Treble, treble octave, bass, alto, tenor clefs
- Key signatures with up to 7 sharp/flat accidentals
- Barlines: single, double, end
- Diagonal ambitus diagrams from any position to any other within the supported range, with or without staff lines in-between
- Clef changes within diagonal ambitus diagrams
- Vertical ambitus diagrams (minimum range distance: a fifth)
- Add-on: Diatonic scale generator (requires Python 3.10; standalone executable provided for 64-bit Windows systems)