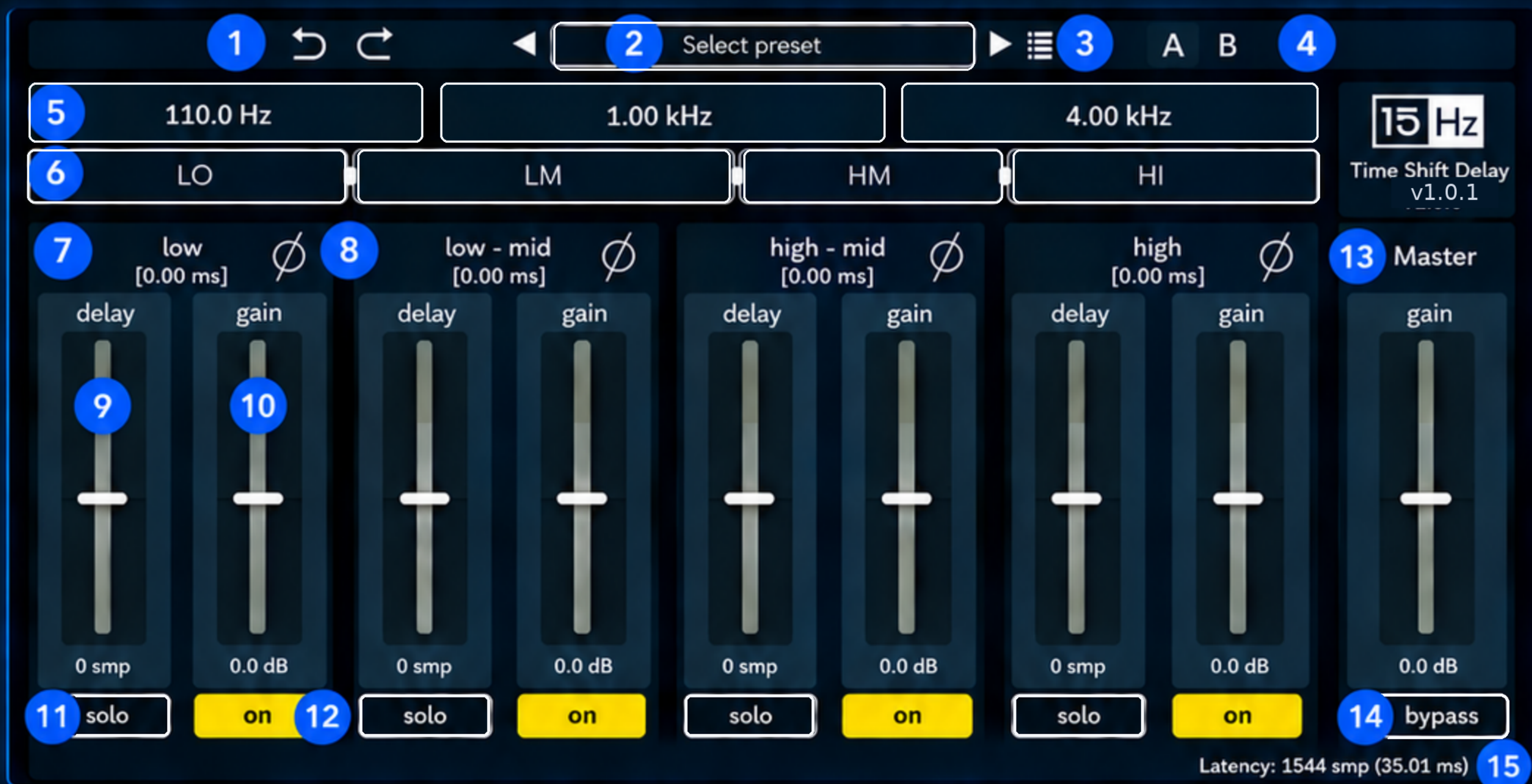




1 Undo / Redo
Reverts or restores the last changes in the plugin.

2 Preset Browser
Select, load and save presets.

3 Menu
Opens the plugin menu (e.g. preset management, settings, about).

4 A / B Comparison
Compare two settings directly.

5 Crossover Frequencies (freely adjustable)
The crossover frequencies between the bands can be freely set (in steps or continuously). Depending on the application, up to 20 kHz can be used. Up to 4 bands can be activated, even if fewer bands are needed.

6 Frequency Bands
Four independent bands: LO (Low), LM (Low-Mid), HM (High-Mid), HI (High). The number of active bands can be selected (1–4).

7 Band Title & Delay Display
Shows the respective frequency band and the currently set delay value in milliseconds. The value is based on audio samples.

8 Polarity Flip
Inverts the polarity (phase) of the respective band by 180°.

9 Delay Fader (per Band)
Sets the delay time for the respective band. Range: 0 – 1544 samples (approx. 0 – 44.1 kHz).

10 Gain Fader (per Band)
Adjusts the level of the respective band. Range: -6 dB to +6 dB.

11 Solo
Listens to the respective band only.

12 On / Off
Activates or deactivates the respective band.

i Value Input and Operation
All values (frequencies, delay, gain) can be adjusted in three ways:

- by mouse (fine adjustment)
- by entering a numeric value
- by using the fader (coarse adjustment)

i Note on Bypass Usage
For technical reasons, a latency-free bypass is not possible with this plugin, as the internal processing requires buffering. The total latency is displayed accurately.

When bypass is active, the plugin still processes audio internally, which can result in a slight change in the signal path. This must be considered when working precisely with latency and phase alignment.

13 Master Gain
Controls the overall output level of the plugin. Range: -6 dB to +6 dB.

14 Bypass (Global)
Deactivates the entire plugin. Used for direct comparison with the unprocessed signal.

15 Latency Display
Shows the current plugin latency in samples and milliseconds (e.g. 1544 smp / 35.01 ms).

Technical Data

- Multiband delay with up to 4 bands (1–4 active)
- Freely adjustable crossover frequencies (20 Hz – 20 kHz)
- Delay per band up to 1544 samples (values depend on sample rate)
- Audio sample-based processing
- Gain per band: -6 dB to +6 dB
- Master gain: -6 dB to +6 dB
- Polarity flip per band (180°)
- A / B comparison, preset management
- Internal bypass (global)
- Plugin formats: VST3, AU (macOS & Windows)
- macOS: from version 10.13 (Apple Silicon Native)
- Windows: from Windows 10 (64 Bit)
- 24-Bit processing
- Latency: 1544 samples (35.01 ms at 44.1 kHz)

i Typical Application Areas

- ✓ Psychoacoustic processing
- ✓ Targeted phase effects
- ✓ Phase adjustment
- ✓ Creative sound design
- ✓ Mic spatial corrections
- ✓ Mixing & mastering
- ✓ Sound design
- ✓ Experimental audio processing

! IMPORTANT NOTE Pro Tool – High Potential for Damage!

The Time Shift Delay is a powerful tool that can cause considerable damage to audio material, especially when using short delay times and positive gain values.

Faders and knobs are not automated by the DAW.

Unwanted level jumps, phase cancellations and quality loss can occur.

It is intended for experienced users who are familiar with psychoacoustics, phase relationships and gain staging.

Please use only with appropriate expertise.