



# User manual

## xp.lsd

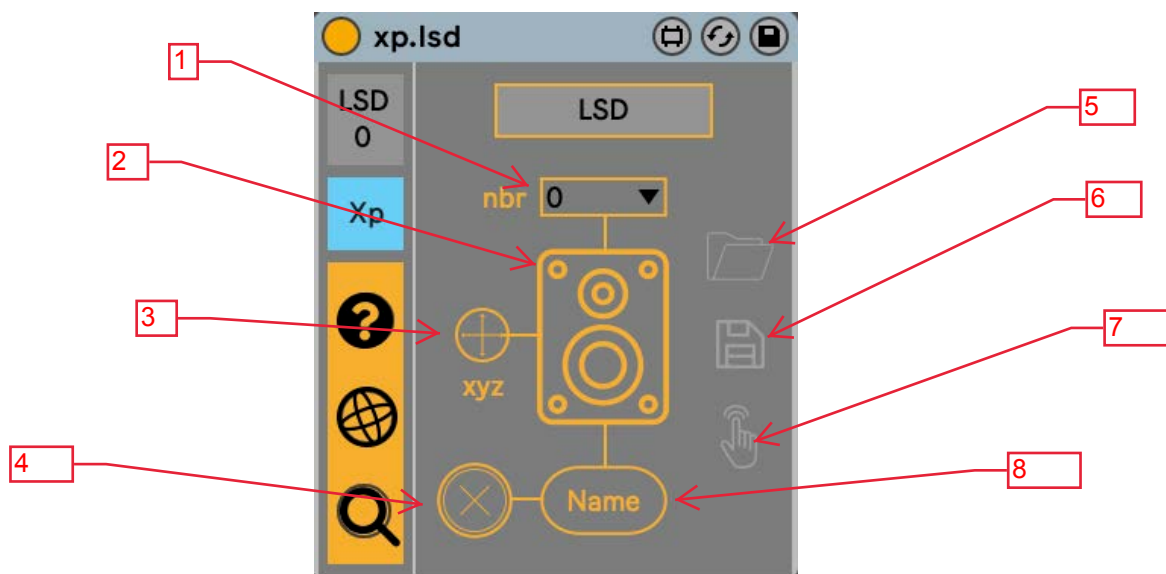
**xp.lsd** is a m4l (max-for-live) device. It comes inside the XP bundle under the file name *xp.lsd.amxd*

"lsd" stands for LoudSpeakers Designer. It is an utility tool that will allow you to quickly create a speaker layout and save it directly as a user preset in the xp.engine

The xp.lsd device doesn't work dynamically with XP standalone. It doesn't process any sound or midi.

### Working

Just drop xp.lsd on any kind of Ableton live track. Be sure to name the layout before pushing it as a preset.



- 1 : set the number of loudspeakers for the layout
- 2 : open Spat UI to position the loudspeakers
- 3 : change between cartesian or polar grid mode in the display
- 4 : clear/reset the configuration
- 5 : open a spat format saved file (txt)
- 6 : save the configuration as a text file (xp and spat)
- 7 : push the configuration as a user preset in xp.engine
- 8 : give a name to the configuration (used as preset name)