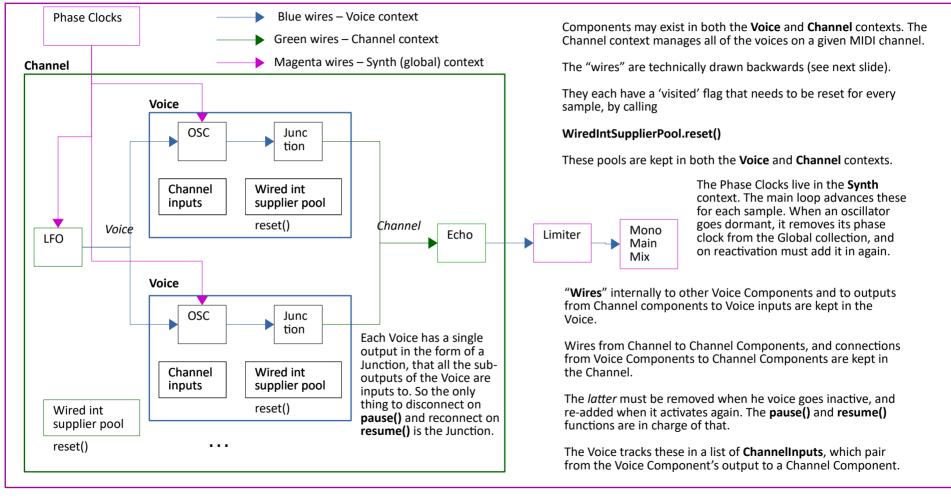
Ondes — close-up of Voice and Channel Components



Ondes — close-up of Connections

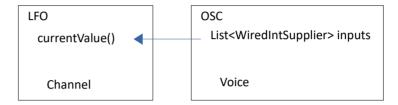
The arrow is technically backwards on the previous slide. When the "output" of LFO is connected to the "input" of OSC, it means that OSC has a Lambda in its List (**inputs**) that will return the current value of the LFO.

The voice is thus a directed (possibly cyclic) Graph starting with the Main Mix, going backwards from the perspective of common audio circuitry. The Mixer pulls rather than the sound generators pushing.

Because it can be cyclic (for FM) the 'visited' flag on each WiredIntSupplier must be reset for each sample.

LFO output connected with **OSC** input

When the voice is inactive, OSC's output never is polled, so it never calls currentValue() Therefore, these connections (at the Voice level) can remain when the voice is inactive.



Junction output connected with **Echo** input

This connection activates the voice, so it must be removed to deactivate the voice. The Voice remembers it in **channelnputs**, and must:

- disconnect on pause() and
- reconnect on resume()

