

Quality Plan

Quality Goals	Quality Criteria	Achieve Quality Goals	Quality Control
Real Time DSP	20ms Latency	Separated Audio and Display/Input Threads.	Often called Functions in the “hot” part as efficient as possible.
Clear User Control	Intuitive usability of the product	Always show the current state of the Device! Naming the Controls on the Device.	Tests with unfamiliar Persons to use the Device
Sample Polyphony	2 - 8 Samples Concurrent	Good Structure of the 128M-Bit Ram. Fast Communication with the Teensy 4.0	Include a Playback Test with the specified Polyphony
Modern looking	Smooth Feeling and modern Design	Inform about how to achieve good quality with 3D-Printers.	Tests with unfamiliar Persons
Connectivity	Easy connection between other musical Devices	Using Midi In - Out and Midi Host as well the Line In and Out Jack	Connect different Midi Devices and use various Software to check the Host Functionality. Good sound Quality with Line In & Out