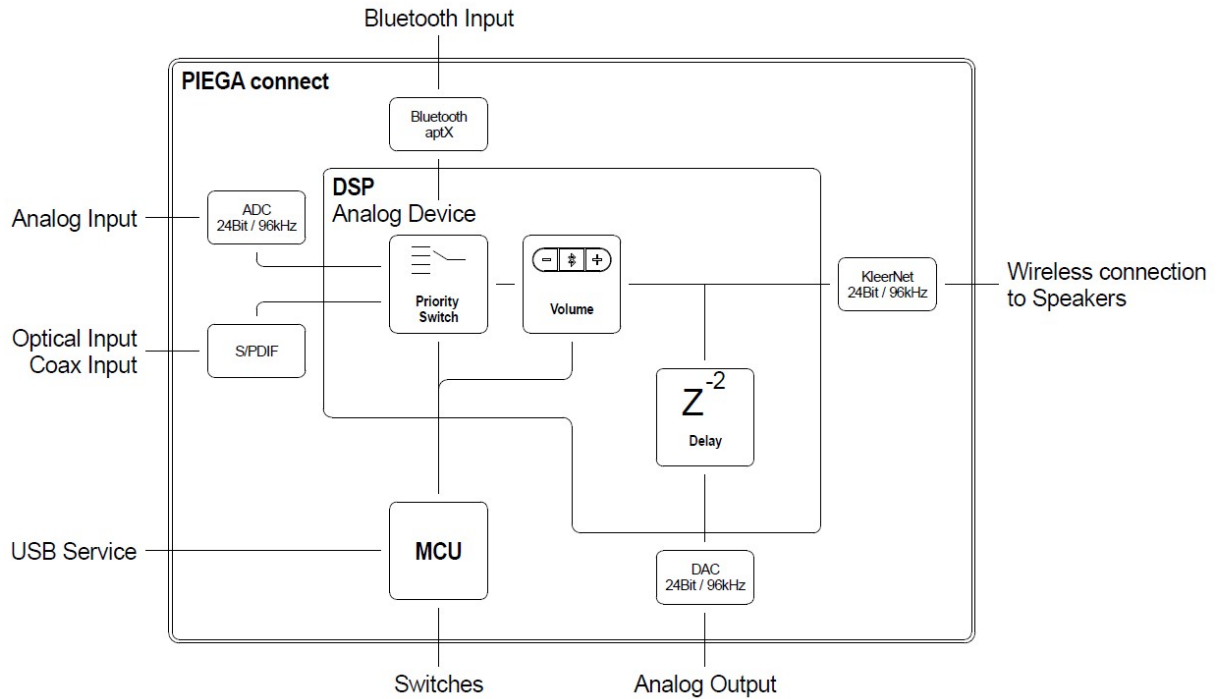


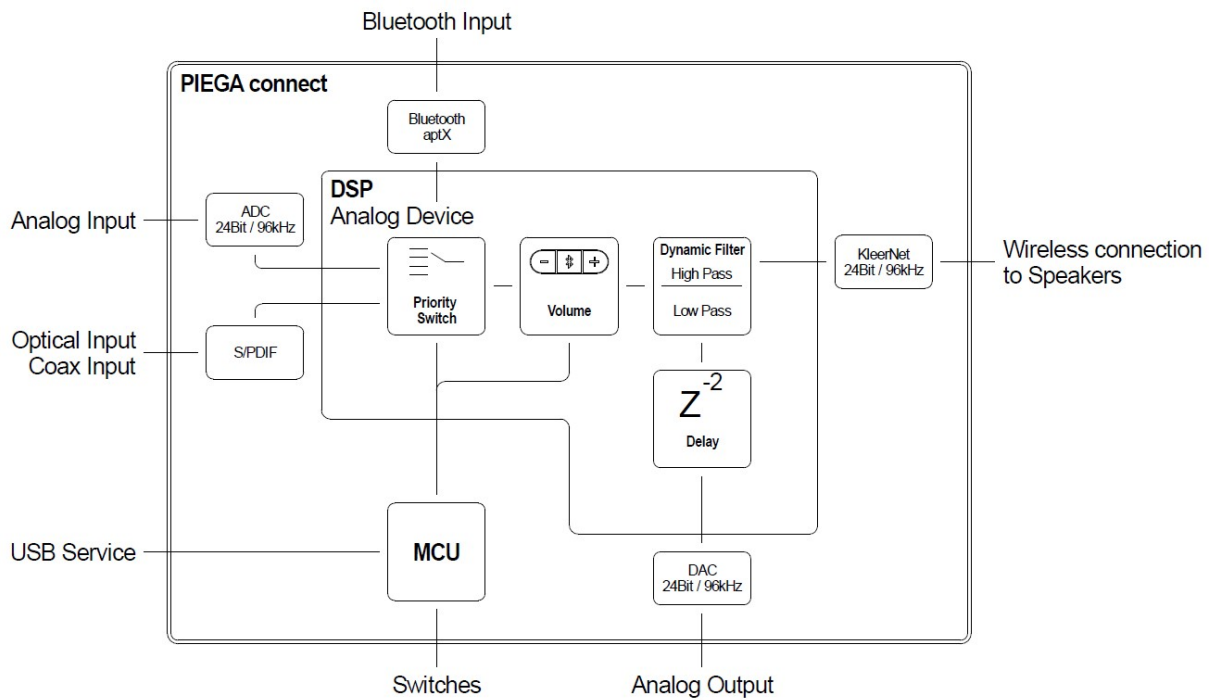
Block Diagram PIEGA Wireless

PIEGA connect (Standard)



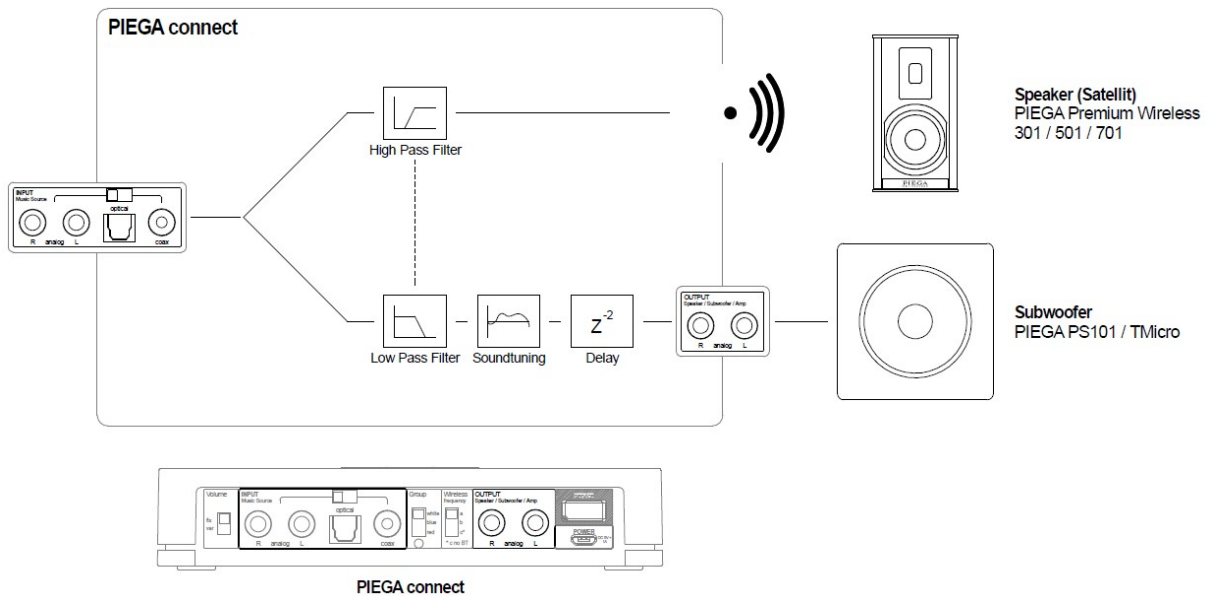
- Priority Switch Input Sources played according to priority settings (Input Switch).
Bluetooth always highest Priority
- Volume System Gain
Note: In case of high hiss due to noisy input sources, we recommend lowering system gain.
- MCU Managing switches and indicator LED's
Interface for Firmware updates
- Z^{-2} Delay Block to compensate wireless latency
⇒ Synchronising/time alignment analog output to wireless speaker output

PIEGA connect Subwoofer



Dynamic Filter

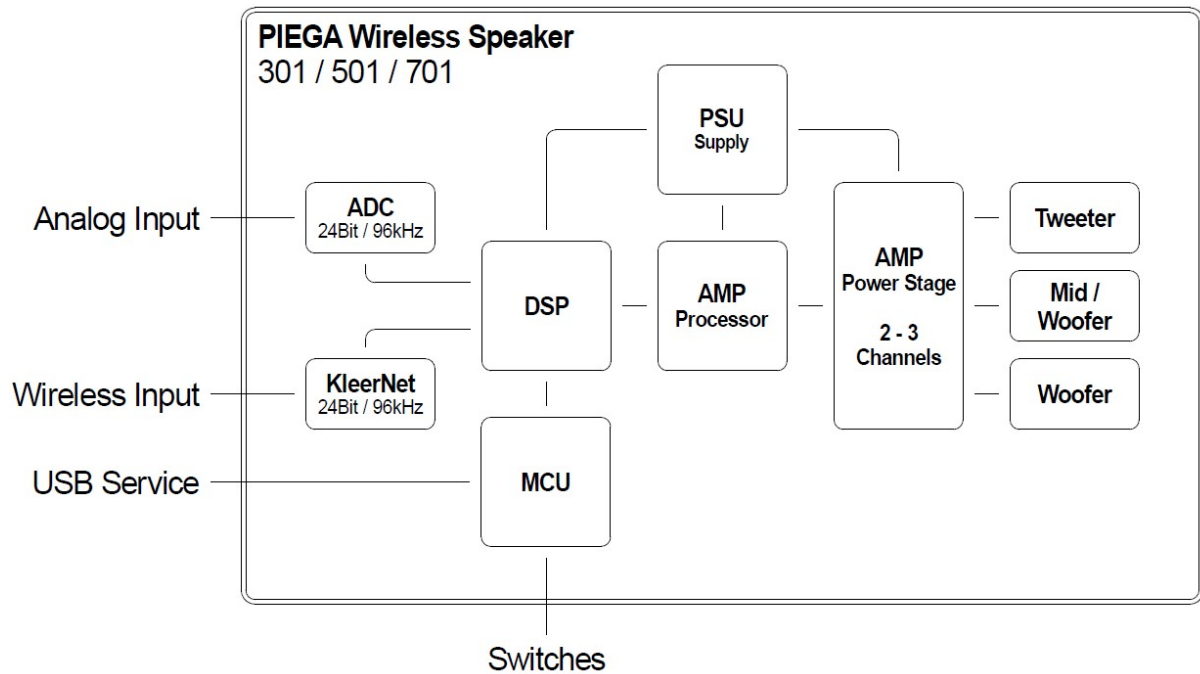
Crossover Frequency Subwoofer – Satellite Speakers is set as a function of the music level.
 On low volumes the crossover Frequency is at about 50Hz
 At high volumes it goes up to absolute max. of 120Hz



Soundtuning

Adjusting Frequency response of Subwoofers (PIEGA PS101 and TMicro) to ideally match Premium Wireless Speakers

Premium Wireless Speakers



- PSU Common Power Supply for all Power Stages
Different power ratings for 301/501/701
- AMP 2-3 equal power stages
2 for the 301
3 for the 501 and 701
- AMP Processor Comparable to a PreAmplifier.
Processing digital output from DSP to Power Stages
- MCU Managing switches and indicator LED's
Also interface for Firmware updates