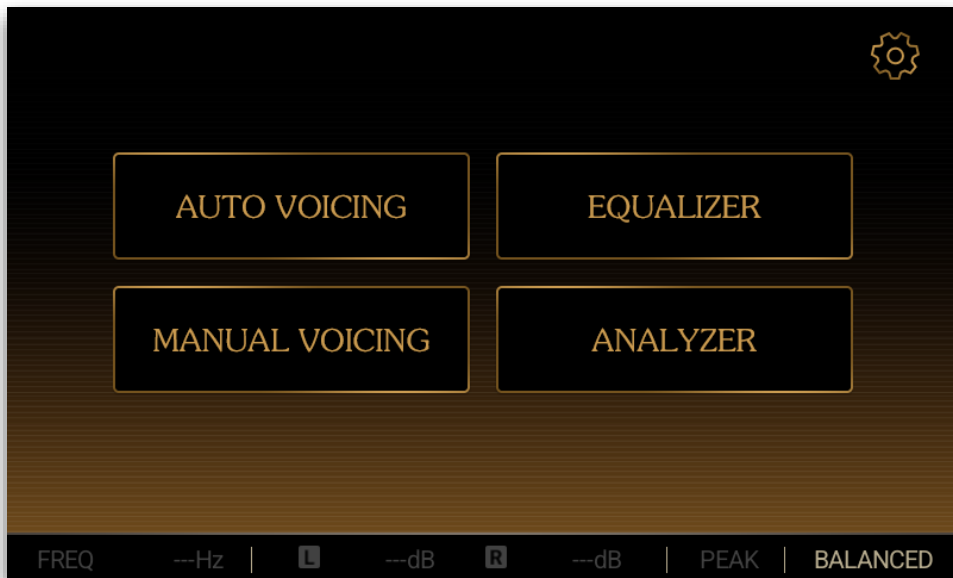


DIGITAL VOICING EQUALIZER DG-78



User Interface

- Employ capacitive type touch panel
- Easy finger operation with big buttons



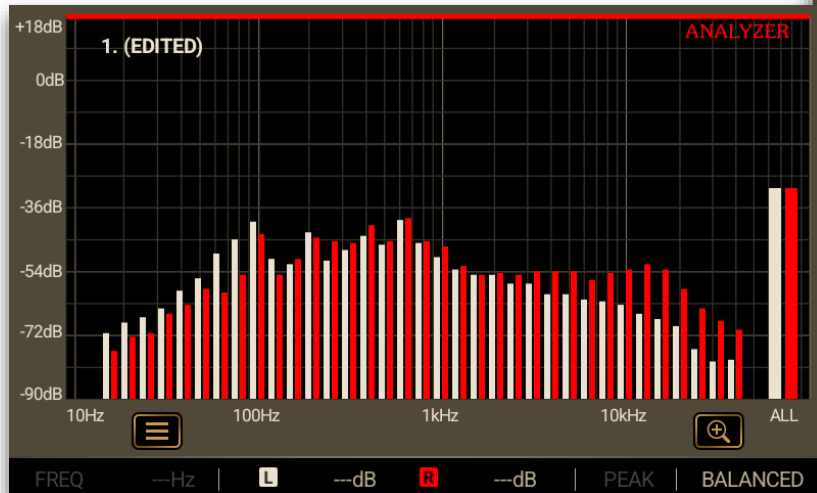
MAIN MENU



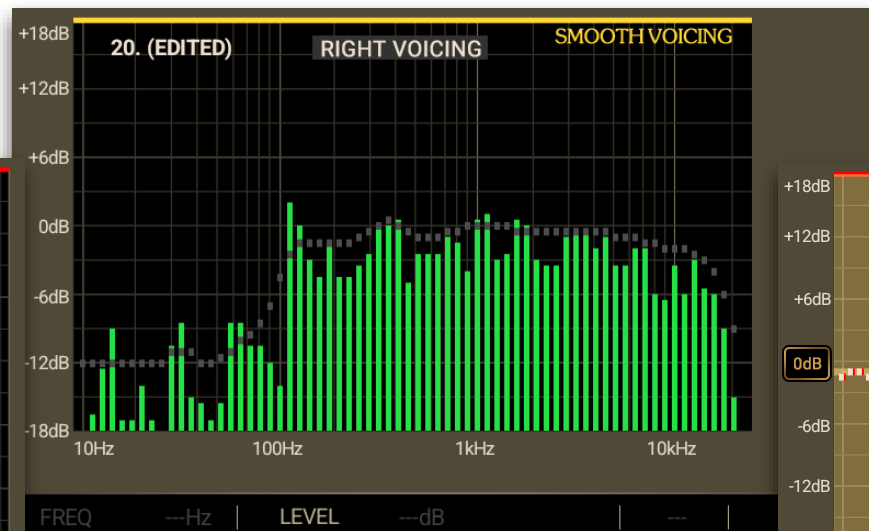
MEMORY FUNCTION

The Big Three Functions

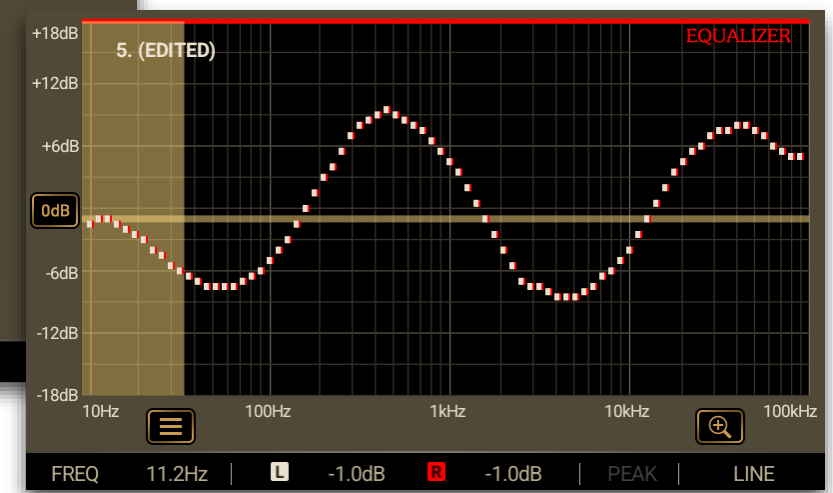
- Simple access from Main Menu
- Pursuing Easy to Use



ANALYZER Function



VOICING Function



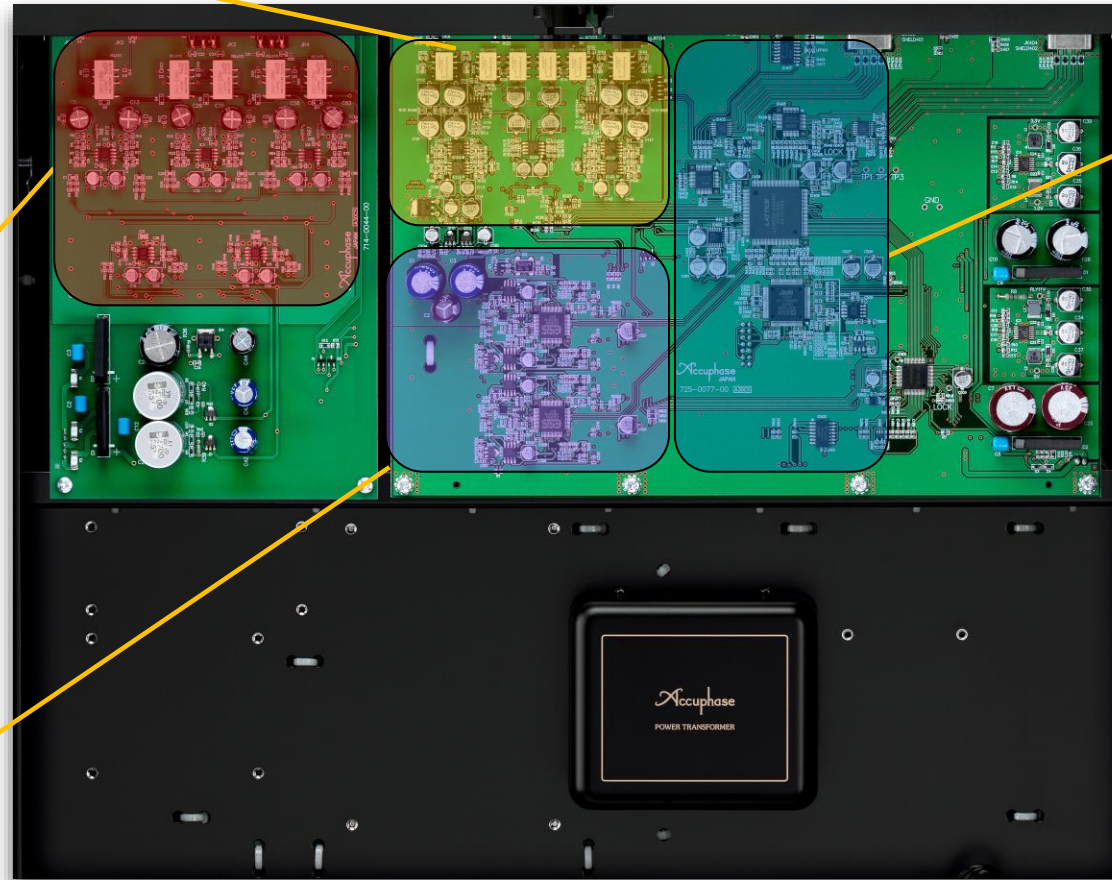
EQUALIZER Function

Electrical Features

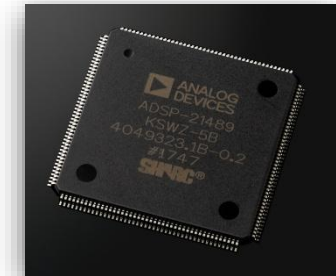
A/D Converter
4 parallel A/D Converter
ANCC Equipped

DAC Filter Circuit
5th order butterworth
Direct Balanced Filter

ANCC Equipped 8 parallel
Drive DAC



Digital Signal Processor
40bit Floating point native
processing up to 384kHz



Analog devices DSP
ADSP-21489

Internal View

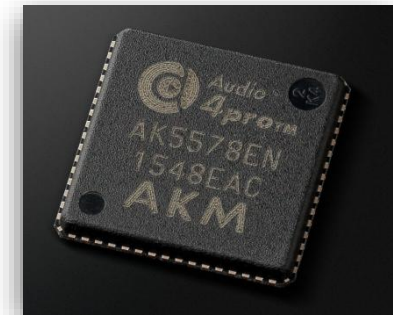
*ANCC: Accuphase Noise and Distortion Cancelling Circuit

Involved Performance (A/D Converter)

- 4 A/D converters are driven in parallel
- ANCC installed to achieve extreme performance



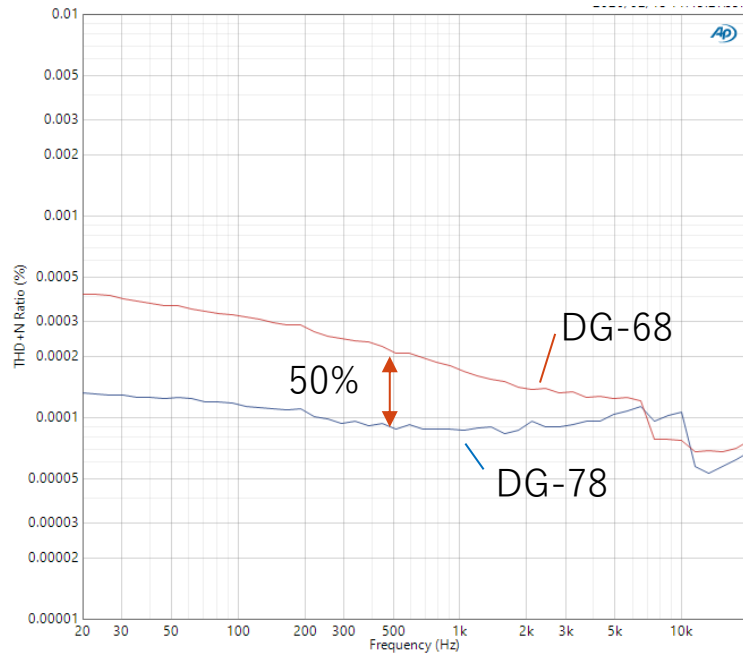
Residual noise (Analog LINE Input, fs=352.8kHz, A weighted)



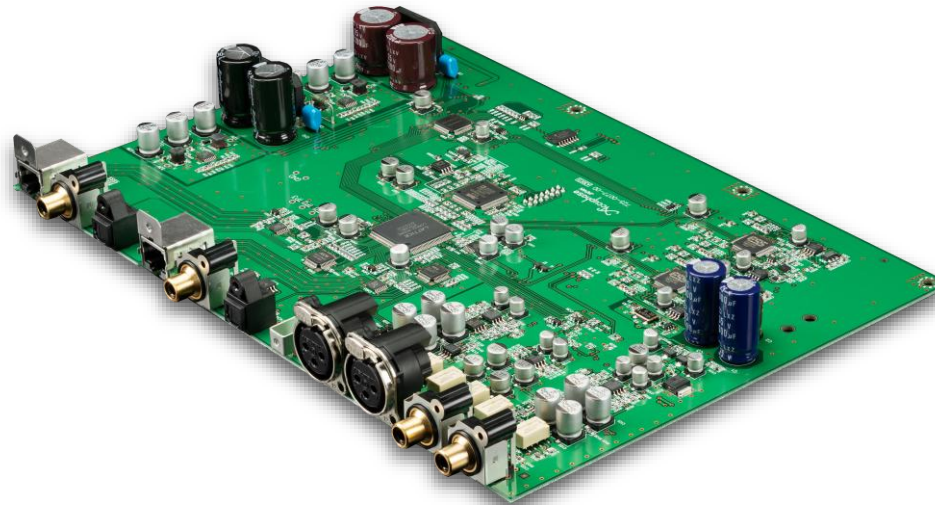
AKM A/D Converter
AK5578EN

Involved Performance (D/A Converter)

- 8 D/A converters are driven in parallel with MDS++ technology
- ANCC installed on post filter circuit



THD+N (Digital 48kHz, 0dBFS Input)



A/D, D/A Ass'y

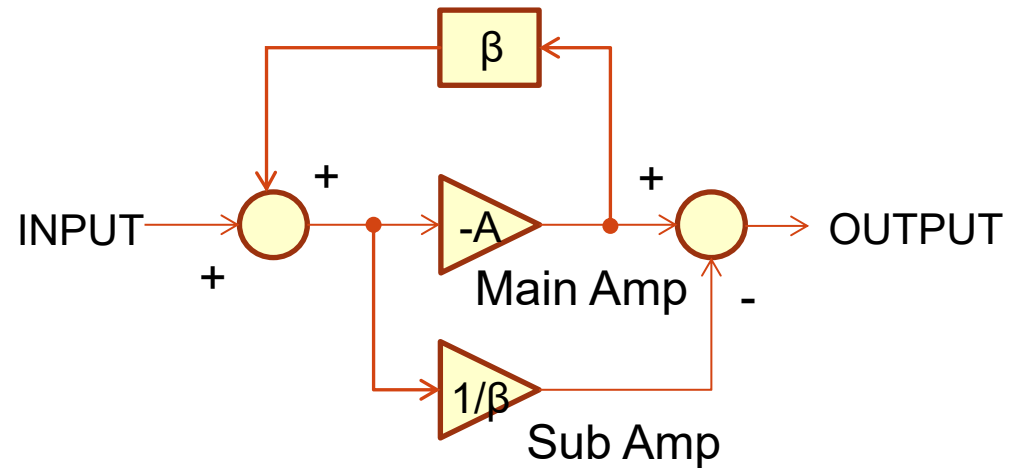


ESS Technology
ES9028PRO

ANCC

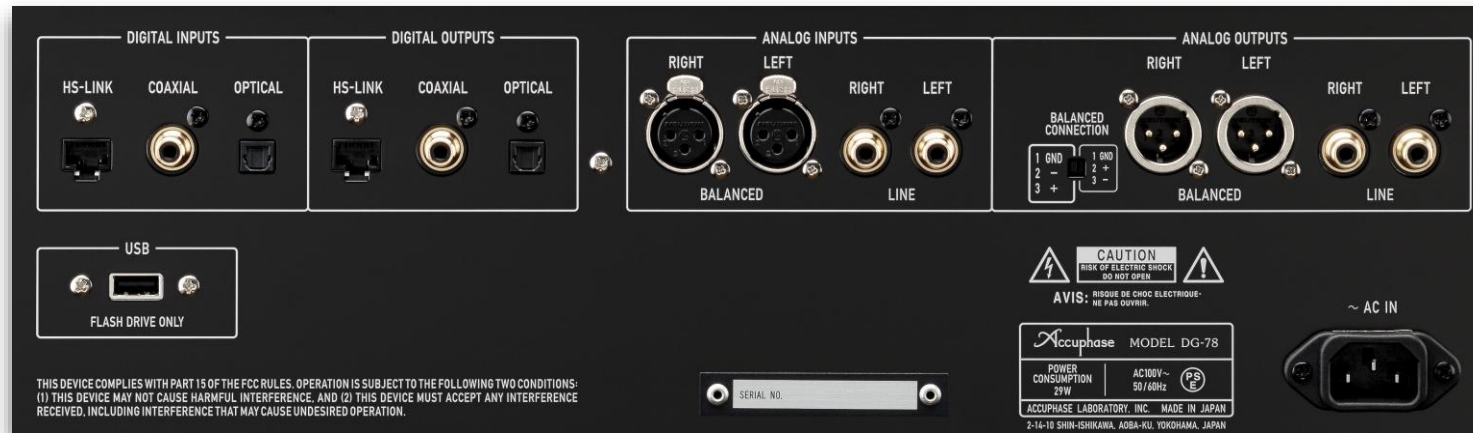
(Accuphase Noise and distortion Cancelling Circuit)

- Noise and distortion cancelling architecture by using feedback + feedforward method
 - Distortion can be minimal, noise from main-amp and sub-amp is swapped



Signal Input / Output

- Analog Input / Output : LINE, BALANCED
- Digital Input / Output : HS-LINK (Ver.2) , Coaxial, Optical
- USB Interface for Snapshot and Data Import / Export



Rear Panel

HS-LINK Version2 Available

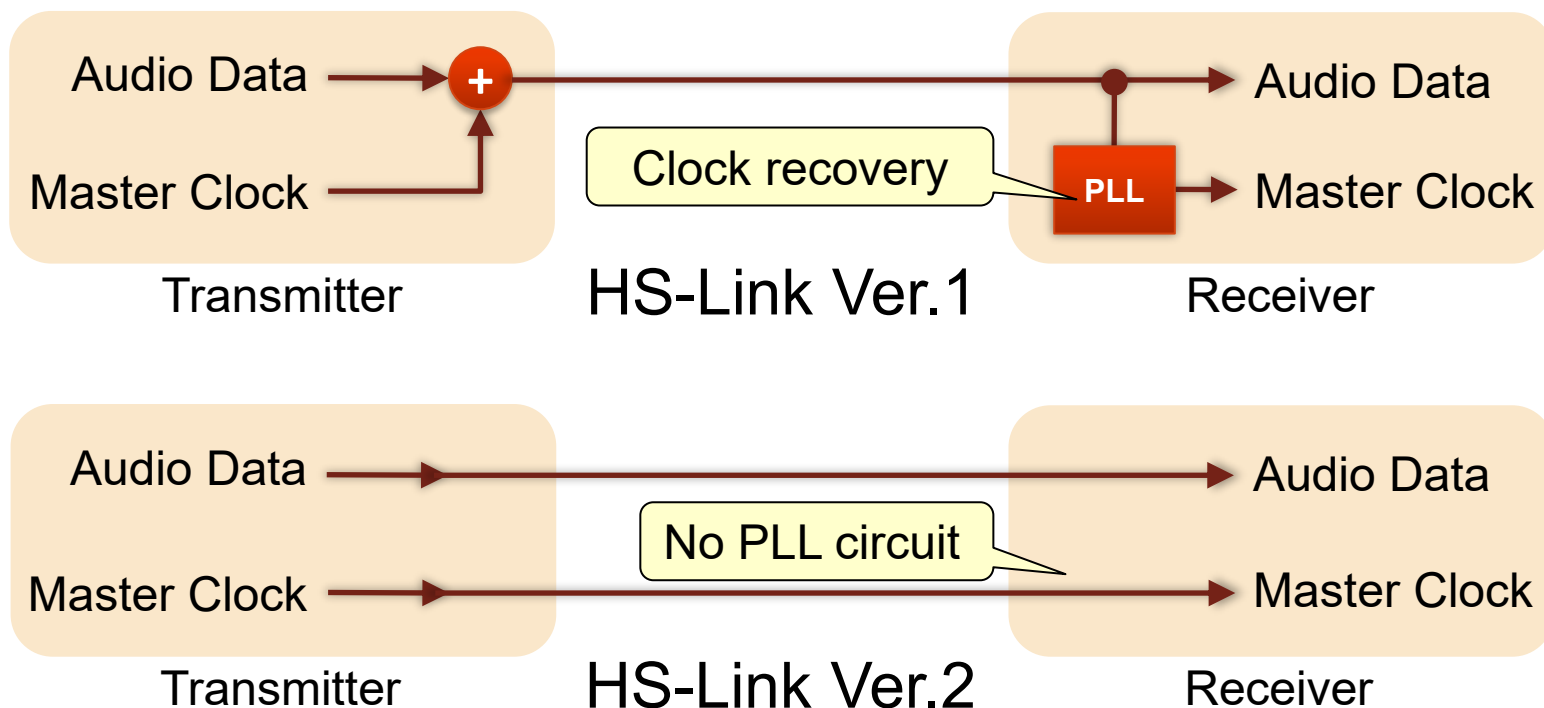
- HS-LINK is upgraded to Ver.2
 - Transmits master clock separately
 - Supports up to 384kHz / 32bit - PCM, 5.8224MHz - DSD
 - Use the same HS-LINK cable as Ver.1
- HS-LINK Ver.1 output is still available.
 - Backward compatibility.



HS-LINK Cable

HS-Link Version2 Advantages

- Transmitting the master clock separately
 - No Jitters occurred from Clock Recovery circuit



Further More...

- Hair-line Finished Aluminum Top Plate
- Microphone for measurement, Remote Commander include



Top Plate



Remote Commander



Microphone