The DSP 2.6 combines a high quality 2-in / 6-out loudspeaker management system with a system connection panel including all necessary input and output connections in one device, thus making the configuration of a professional amp rack a very simple matter. The two low-noise analog inputs are actively balanced, with characteristics which closely simulate those of a balancing transformer.
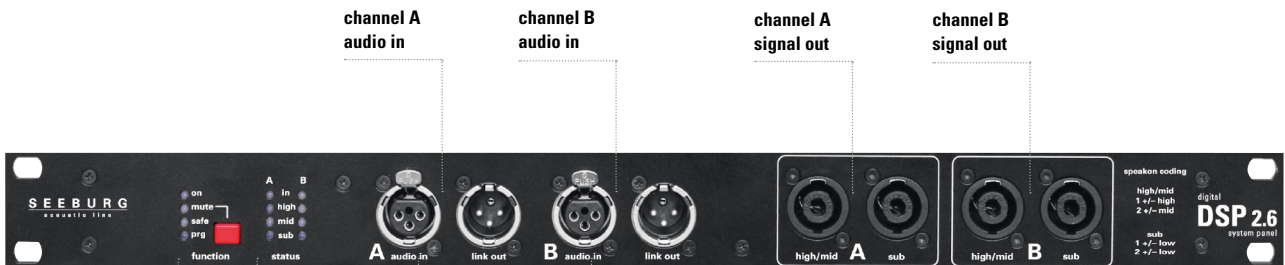
Audio files for programming the DSP 2.6 can be generated on the Seeburg website with the program "LPI" (Loudspeaker Programming Interface).

PRODUCT SPECIFICATIONS

Description	2 in 6 out DSP Controller
Rated Current	0,07 A @ 230 V
Max. Input Signal	21 dBu
Input Dynamic Range	> 131 dB
CMRR real-world (50 Hz)	> 82 dB
DSP	HDLM FPGA Processing 32 bit floating point
AD/DA	24 bit / 96 kHz
Latency	0,8 ms (analog in to analog out)
Signal/Noise ratio	126 dB
Background Noise	-107 dBu (A)
Nominal Amplification	0 dB
Max. Delay	5,33 ms (each Channel)
No. of Filters	160 (20 each Channel in/out)
Max. Output Signal	14,5 dBu
Output Dynamic Range	120 dB
Protective Circuits	Short Circuit Protection, Over-Voltage Protection, Overload Protection
Connectors	<u>Front</u>: 2 x XLR in/out, 4 x Speakon NL4MP out <u>Rear</u>: 6 x XLR out, 3 x Speakon NL4MP in, 3 x Phoenix in, 1 x Powercon in
Rigging / Fittings	4 x hole for 19" rack mounting
Weight	2,8 kg
Size width x height x depth	48,3 x 4,5 x14,7 cm
Order No.	**01412**

SEEBURG
acoustic line

channel A audio in

channel B audio in

channel A signal out

channel B signal out

function

on
green when ready (< 5 s)

mute / mute button
red when all outputs are muted /
ready for programming

safe
green when limiting the output („DJ-Mode");
on/off: Hold mute button for 3 seconds

prg
flashing green during programming;
permanently green for 5 seconds
when programming was successful
or red when it failed

status

in
green   – signal present
yellow – limiting
red   – overload (signal > 24 dBu)

high / mid / sub
green   – signal present
yellow – limiting
red   – overload (signal > 16 dBu)

audio in

- particularly low-noise inputs with
  transformer-like electronics;
  hum-free in virtually all settings
- passive loop-thru output
- programming by loading special audio files
- easy creation of custom setups with the
  „LPI" Loudspeaker Programming Interface
  (see Seeburg website)
- LPI-Setups (audio files) can be stored on
  smartphones; programming of the DSP 2.6
  by use of a mini jack to XLR cable

Speakon in

Phoenix in

XLR out

SEEBURG
acoustic line