HD2050.20 - Digital power amplifier
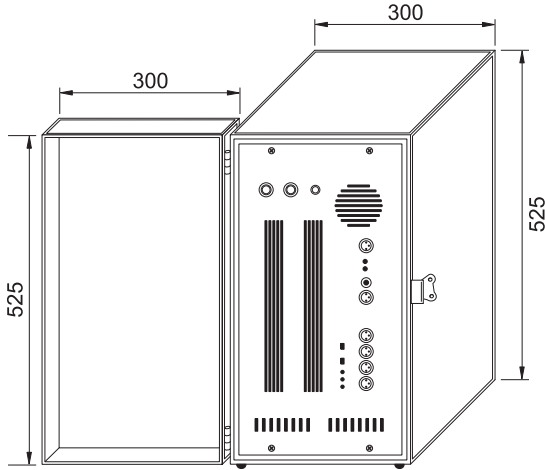
HD2050.20 is a high-power digital amplifier; it includes a white and pink noise generator with wireless remote control. Thanks to the auxiliary input it's possible to drive it with an external generator to apply, for example, sine sweep signals.

In order not to influence the measured levels, a controller can automatically turn off the cooling fan when taking measurements in a quiet environment or when measuring reverberation times with interrupted source technique; in such a case the fan is turned automatically off when you stop the generator's emission.

With Podware, the parametric equalizer's control software, it is possible, even in real time, to activate and manage the following functions: mute, gain, 8-band parametric equalizer and two shelving filters, two HP and LP filters, delay. The user setups can be stored in the amplifier's HD2050.20 memory.
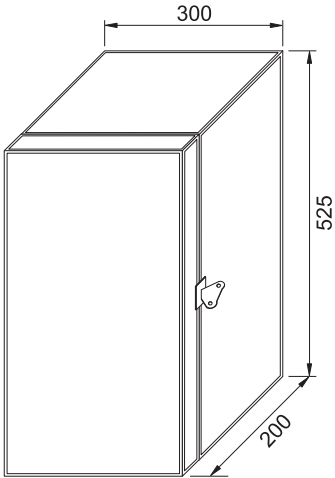
Technical specifications:

Reference Standards	EN 55103-1 (Emissions), EN 55103-2 (Immunity) EN 6065, class 1 (Safety)
Type	Digital, class D
Maximim power	1200 W @ 12 ohm
Continuous power	2 x 530 W RMS
External generator input	With level control
Power requirements	230 Vac (±10%), 50-60 Hz
Frequency response	20 Hz ÷ 20 kHz
THD	< 0.1% @ 1 kHz
Noise generator	white/pink with level control Output connector: Neutrik® XLR
Connectors	Input: Neutrik® Combo Output: Neutrik® NL4FC speakON AC Power: Neutrik® powerCON
RMS Level limiter	Control on the maximum power accepted by HD 2050 loudspeaker
Status indicators	Mute, Active, Power ON
Protections	Short circuit, thermal, ultrasonic and RF, clip limiter, DC Fault PS shutdown
Dimensions with flight-case	30 x 52.5 x 20 cm
Weight	4.8 kg without flight-case 11.8 kg with flight-case

Note: Neutrik® is a registered trademark of Neutrik AG.

DIMENSIONS (mm)

Amplifier with opened flight case

Amplifier with closed flight case

ORDERING CODES

HD2050.20: Digital power amplifier with integrated parametric equaliser. Includes flight case, Podware software, power supply cable HD2050.2, integrated wireless remote control HD2050.20R, user manual.

Accessories

HD2050.1.5: Signal cable, length 5 m.

HD2050.20R: Wireless remote control Kit to control the internal noise generator of HD2050.20. Composed of receiver, transmitter with on/off switch. Range of use up to 100 m.

HD2050.20

HD2050.1.5

HD2050.1.2

HD2050.20.2

HD2050.1.L