



GMS 2120 — White Noise and Pink Noise generator



GMS 2120 — 3 pair monitor outputs

Monitor amplifier

Input signals:

Sample rate:

Input impedance:

Inputs rear side:

Inputs front side:

Outputs rear side:

Gain between input and main output:

Gain between main output and monitor outputs:

Output front side:

Power output:

Analog inputs and outputs

No. of stereo inputs:

Input impedance:

No. of stereo outputs:

Output impedance:

Digital inputs and outputs

No. of inputs:

Input impedance:

No. of outputs:

Output impedance:

Analog input → Analog main output

Gain (20 Hz-20 kHz):

Signal-to-noise ratio:

Cross talk attenuation:

Switch off attenuation:

Electrical distortion factor:

Analog input → Digital output

Gain (20 Hz-20 kHz):

Signal-to-noise ratio:

Cross talk attenuation:

Switch off attenuation:

Electrical distortion factor:

Digital input → Analog main output

Gain (50 Hz-20 kHz):

Signal-to-noise ratio:

Cross talk attenuation:

Switch off attenuation:

Electrical distortion factor:

Digital input → Digital output

Gain (10 Hz-20 kHz):

Signal-to-noise ratio:

Cross talk attenuation:

Switch off attenuation:

Electrical distortion factor:

Sample rates:

Output signal jitter:

Main output → Monitor outputs

Gain (20 Hz-20 kHz):

main output to chosen output:

Signal-to-noise ratio:

Cross talk attenuation:

Switch off attenuation:

maximum output level:

Loudspeaker amplifiers

Power output:

Acoustic frequency range (± 5 dB):

Headphones amplifiers

Power output on 8 Ohm:

Electrical frequency range (± 3 dB):

Distortion factor:

Analog digital converter

Resolution:

Sample rate:

Input level analog:

Digital analog converter

Resolution:

Sample rate:

Indicators

Level range:

Indication modes:

Phase:

Sample rate:

AES/EBU:

Monitor output volume:

Output clipping:

White noise and pink noise outputs:

PRN sequence length:

Output level on monitor outputs:

Remote

Remote input:

Remote connector:

General

Operating voltage:

Power:

Operation temperature:

Storage temperature:

Housing:

Weight:

analog to max. +27 dBu, 10 Hz ... 20 kHz

digital 0.5 Vpp ... 7 Vpp

32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz and 192 kHz

analog: 20 kΩ at 1 kHz, symmetrical

digital: 110 Ω XLR, symmetrical

2 analog stereo channels, symmetrical, XLR female

3 digital AES/EBU channels, symmetrical, XLR female

1 analog stereo channel, symmetrical GSP (2x Ghielemetti 3 pole)

1 digital AES/EBU channel, symmetrical GSP (1x Ghielemetti 3 pole)

1 analog stereo channel, symmetrical XLR male

1 digital AES/EBU channel, symmetrical XLR male

analog: 0 dB ± 0.1 dB

digital: Reshaping of signal to 3 Vpp

adjustable by separate volume control -70 dB ... +20 dB

1 Headphones output stereo, 6.35 mm jack

2x10 W

a-b-s, rear side, 2 symmetrical, XLR female

a-b-s, front side, 1 symmetrical, GSP

a-s, 10 kΩ at 1 kHz

b-s, 10 kΩ at 1 kHz

a-b, 60 Ω at 1 kHz

a-s, 30 Ω at 1 kHz

b-s, 30 Ω at 1 kHz

a-b-s, rear side, 4 symmetrical, XLR male

a-b-s, rear side, 3 symmetrical, XLR female

a-b-s, front side, 1 symmetrical, GSP

110 Ω XLR, galvanically separated

a-b-s, back side, 1 symmetrical, XLR male

110 Ω XLR, galvanically separated

0 dB ± 0.3 dB, chosen input to output

> 80 dB at 1 kHz and 0 dBu input signal

> 80 dB at 1 kHz

> 90 dB at 1 kHz, and 0 dBu input signal

< 0.1 % at 1 kHz and 0 dBu input signal

0 dB ± 0.3 dB, chosen input to output

> 90 dB at 1 kHz and 0 dBu input signal

> 90 dB at 1 kHz

> 90 dB at 1 kHz, and 0 dBu input signal

< 0.1 % at 1 kHz and 0 dBu input signal

0 dB ± 0.3 dB, chosen input to output

> 75 dB at 1 kHz and 15 dBFS input signal

> 90 dB at 1 kHz

> 100 dB at 1 kHz and 15 dBFS input signal

< 0.1 % at 1 kHz and 15 dBFS input signal

0 dB chosen input to output

> 100 dB at 1 kHz and 15 dBFS input signal

> 100 dB at 1 kHz

< 0.1 % at 1 kHz and 15 dBFS input signal

32 k ... 192 kHz

< 2 ns

-70dB, -60 dB, -50 dB, -40 dB ... +20 dB, adjustable in 0.5 dB steps,

> 80 dB at 1 kHz and 0 dBu main output signal

> 80 dB at 1 kHz

> 96 dB at 1 kHz, and 0 dBu main output signal

+27 dBu

midrange driver, tweeter max. 10 W per channel

80 Hz ... 16 kHz, measured at 60 cm distance

max. 0.2 W per channel

20 Hz ... 20 kHz

< 0.5 % at 1 kHz

24 bits

selectively 96 kHz or 192 kHz (switch over the "Off" pushbutton)

max. +15 dBu for distortion free conversion

24 bits

32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz and 192 kHz

-60 dBu ... +24 dBu, scale specific labels available

Peak & fast Mode, Peak only, Level only, Peak & level

7 LEDs: -1 ... +1

7 LEDs: 32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz and 192 kHz

Locked, Error

31 LEDs, 4 lightness levels for indicating amplification in 0.5 dB steps

1 LED for indicating maximum monitor output level of +27 dBu

white noise (flat) and pink noise (-3 dB/octave)

48 bit

adjustable between -70 dBu and +20 dBu

RS-485, 19.2 kB/s and 12 VDC output for optional remote controller

D-Sub 9 pole, female

90 VAC ... 267 VAC, 47 ... 63 Hz

60 Wmax.

0 °C ... +45 °C

-20 °C ... +55 °C

16" rack mounting, 2 RU, depth 240 mm

5.8 kg



Audio Test and Monitoring System

3 Outputs for Mastering Speakers – White and Pink Noise Generator

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3 Outputs for Mastering Speakers – White and Pink Noise Generator



GMS 2120

High Performance for Mastering

$$S(f) \propto \frac{1}{f^a}$$

- 3 individually selectable outputs to active speakers
- White and Pink Noise generator
- Phase and level indicator for 2 channels (L, R)
- Monitoring router 3x1 for analog and 4x1 for digital inputs
- 24 Bit AD/DA converter for analog and digital channels
- Monitor signal simultaneously on analog and digital output available
- Sample Rates: 32, 44.1, 48, 88.2, 96, 176.4 and 192 kHz
- High performance loudspeakers
- Headphone output with volume and balance control and switchable 40dB preamplification for microphone signals
- RS-485 remote interface to remote control unit