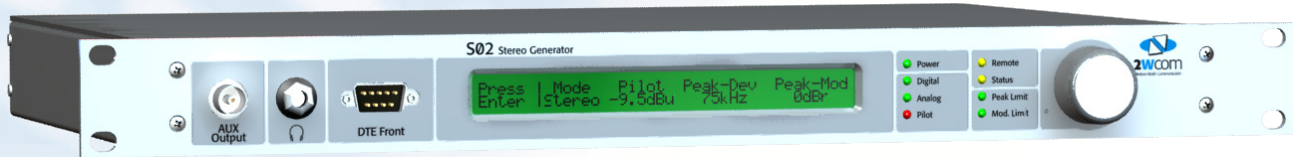


S02 Stereo Generator

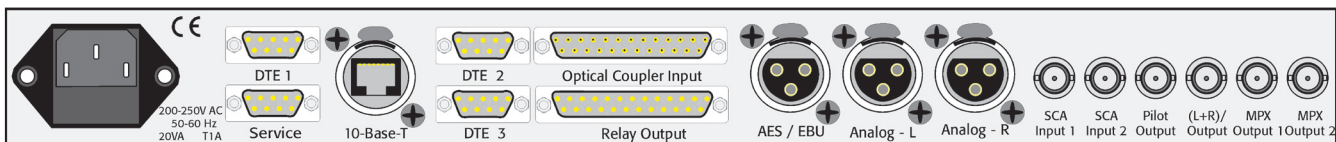
Professional digital Stereo Generator with limiter



 Energy efficient,
no moving parts, no fan

- AES/EBU digital and analog audio input
- Software controlled signal synthesis
- Optional: adjustable Peak-limiter and Mod-limiter
- Optional: modulation control automatically switchover to an additional signal input in case of audio failure
- Control via TCP/IP - SNMPv2 (new version)
- Access and control via webinterface

The screenshot displays the web interface for the S02 Stereo Generator. It features a navigation bar with 'Home', 'Support', 'E-Mail', and '2wcom'. The main content area is titled 'Aktuelle Systeminformationen' and includes a 'Modulationsüberwachung' section with status indicators for Digital, Digital L, Digital R, Analog L, and Analog R. Below this is a 'Level' section with three horizontal bar graphs for MPX (dBu), Pegel L (dBu), and Pegel R (dBu), each ranging from -48 to 24. A 'Gerät' section at the bottom lists device details: Seriennummer: 301.000071, Hardware Revision: 2.1, Firmware: V1.22, and ArmNetPC Firmware: 2.21.2. A sidebar on the right contains a menu with options like 'S02 Stereo Generator', 'Informationen', 'Netzwerk-Einstellungen', and 'System-Einstellungen'.



S02 Stereo Generator – Technical Details

Inputs

Digital

Impedance

Analog

Input impedance

Input level

Modulation control (optional)

Analog / Digital switching

Priority

Failure time adjustable

Digital input limit

Analog input limit

SCA

AES/EBU, 16...96 kHz sample rate

110 Ω balanced, XLR

L/R analog balanced, XLR

20 kΩ

+6 dBu (1.55 Vrms)

audio input

Automatic selection of analog or digital input. Based on input level on digital signal

1...600 s

-50 dBFS...0 dBFS

-34 dBu...-6 dBu

2x analog unbalanced, BNC

10 kΩ, -12...+12 dBu

Front panel

LCDisplay

Jog wheel

8 LED's

2x 40 characters

impulse, ENTER button

Power, Pilot, Status, Peak Limit,

Mod. Limit, Digital, Analog, Remote

Interfaces

Remote control input

Connector

12 opto isolated inputs

25 pole sub-D female

Remote control output

(Messages)

8 standard relays (SPST)

3 change-over relays (SPDT)

(for DC: max. 24 V, 1 A, 10 W),

25 pole sub-D male

Connector

Data Interfaces

Connector

Transmission rate

Data format

TCP/IP data interface

Connector

Type

Data format

Input/output and setup functions

5 serial interfaces, RS-232C

(1 front, 3 rear)

9 pole sub-D male

1200 to 38400 baud, asynchronous

binary

Input/output setup functions

Neutrik Ethercom/RJ45 (rear)

full duplex 10/100 BASE-T

binary, SMTP, UDP, Telnet, FTP,

SNMP

Outputs

MPX

Frequency response

Channel separation

Pilot rejection

Signal/Noise

Pilot frequency

Pilot magnitude

Pilot phase

Preemphasis

Output impedance

(L+R) / 2

Pilot

Output impedance

2x analog unbalanced BNC

-12...+12 dBu

20 Hz...15 kHz <0.15 dB

L<->R >70 dB at 1 kHz

L<->R >60 dB at 20 Hz...15 kHz

M<->S >60 dB

>70 dB

S/N: >80 dB

THD: <0.05 %

19 kHz +/-1 Hz

2.5 kHz...10 kHz

-5...+5° in steps of 0.1°

adjustable to 38 kHz-subcarrier

off/50 μs/75 μs

<10 Ω

analog unbalanced BNC

-12...+12 dBu

Pilot analog unbalanced, BNC

1 V

<10 Ω

General data

Power consumption

Case dimensions

Weight

Housing

Operating temp. range

Storage temp. range

Power supply

20 VA

19", 1 HU, depth: 310 mm,

width: 424 mm,

front panel: 484 mm

3 kg

aluminium chromated

0...+45°C

-40...+70°C

internal, 90...260 V, 47...63 Hz

Limiter (optional)

Peak - limiter

Mod - limiter

0...100 kHz

-6...+6 dB acc. to BS.412-9

Version: 22.09.2015

These data are subject to

modifications and amendments.

Errors excepted.

