

Press Release of GUDE Systems GmbH
 Department: Audio/Video technology, IT Security, Network Management
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 The press release is available as pdf file at www.gude.info/nc/unternehmen/news.

19 inch power strips with controlled switching sequence
GUDE introduces new Power Distribution Units (PDU) that increase operational reliability through programmable switching delay

With the „Expert Power Sequencer“ **GUDE Systems GmbH** presents a series of power distribution systems for professional installations. The switchable power outlets are integrated into sturdy metal housings and are suitable for horizontal installation in **19-inch cabinets** (1 height unit). They have **6 IEC C13 load outlets** or **6 load outlets with safety socket** on the front. Connected devices can be **switched on sequentially and off in reverse order** by an automatic switching routine. Pressing the switch on the front of the device triggers a 15-second switching sequence, which switches the individual sockets one after the other **with a delay of 3 seconds** each. These delay intervals between the switching operations can be increased individually to **up to 60 seconds** if required.

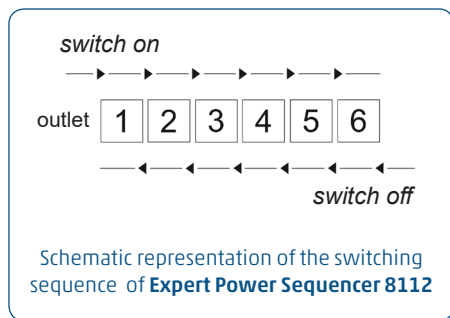
The Sequencer is also available in variants with **integrated overvoltage protection** (type 3) and **mains filter**. The overvoltage protection prevents defects on the device and on connected consumers, while the mains filter minimizes interference noise on connected loudspeakers or amplifiers.



Benefits for users

The voltage peaks that typically occur due to **high inrush currents** when several loads are switched on simultaneously are avoided with the „Expert Power Sequencer 8112“. Consequently, possible **tripping of the upstream fuse** in the supply line is prevented. In turn, when switching off sequentially, sudden abrupt changes in current in the supply line are prevented from causing faults in the circuit.

The power strip is used, for example, in **audio/video installations with a power amplifier**. The audio amplifier is connected to the last load output. The PDU now ensures that the amplifier is switched on last after the other components. When switching off in reverse order, it is switched on first, before the other components. The **otherwise occurring banging noises**, which can also damage **loudspeakers and amplifiers**, are avoided. The user can connect an **external pushbutton** to the jack connector on the front to trigger the switching sequence from outside the 19-inch cabinet.



Features overview

- 6 load outputs switchable by switch on the device or by external pushbutton in a controlled switching sequence
- Switching off connected loads with a delay of 3s between adjacent outputs
- Time interval for each load output individually adjustable (up to 60s)
- Current peaks during simultaneous switching operations and tripping of upstream fuses are prevented
- Integrated overvoltage protection type 3 (according to EN61643-1) prevents damage to the device and connected loads
- Jack connector allows connection of external switches and enables remote control of the switching routine
- Integrated mains filter prevents interference currents and eliminates loss of signal quality for connected devices such as speakers, amplifiers and beamers
- Low own consumption



Variants of Expert Power Sequencer 8112

8112-1	6x IEC C13
8112-2	6x IEC C13 with overvoltage protection and mains filter
8112-3	6x Safety socket type F (CEE 7/3)
8112-4	6x Safety socket type F (CEE 7/3) with overvoltage protection and mains filter

Locations	AV environments with audio components such as in conference rooms, theaters and small meeting rooms, installations for displays and LED walls, AV installations in the smart home sector with amplifiers, speakers and beamers.
Mounting	Network cabinets 19 inch, 1 height unit
Dimensions (LxHxD)	8112-1, 8112-3: 43.9 x 4.4 x 6.2 cm (without mounting ears) 8112-2, 8112-4: 43.9 x 4.4 x 11.2 cm (without mounting ears)
Accessories	Jack plug adapter, table/wall mount, IEC extension cable
Availability	Immediately available from the manufacturer and distributors

The company

GUDE is a family-run manufacturer of innovative ICT equipment for over 30 years. The company's products aim at optimizing and enhancing ICT, AV and industrial infrastructure that is typically encountered in network, server or media racks. The product portfolio includes Power Distribution Units, LAN sensors and radio clock systems. All devices are developed and manufactured in Germany to meet the quality requirements that customers place on reliable IT infrastructures.

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