



Description:

The DS1CU is the Central Unit of the DS1 Series, in a 19"/1HU-housing. It can control up to 40 Delegate Units DS1DU.

A 25Watt power amplifier drives the loudspeakers built into the Delegate Units.

The Central Unit DS1CU disposes of the following controlling and signaling functions:

- "PRIORITY" for the Chairman unit DS1PU with status-LED.
- „PARTICIPANTS LIMITING“ with a rotary switch for 1 ... 5 or an unlimited number of active Talk Stations and status-LED.
- Operation and Error display

Inputs (all controllable at the front with Clipping-LED):

- Discussion (RJ45)
- Line (XLR)
- Aux (Cinch)
- Effect (switchboard plug).

Outputs (all controllable at the front with Clipping-LED):

- Loudspeakers out (RJ45)
- Line out (XLR)
- Record out (Cinch, adjustable at the rear independent of the Line out signal)

The Central Unit DSD1CU disposes of 16 RJ45 – jacks to be connected to the delegate units. 8pin, shielded CAT5+ cables are used. During Automatic Operation a maximum of 10 Delegate Units in series can be connected to each jack, in total, however, a maximum of 40! During operation with the optional Control Module DS1MCP (Control Panel or AMX) or DS1MRS (RS232) only one Delegate Unit can be connected to each RJ45 jack. Thus, a maximum of 16 talk stations can be managed with the Control Module.

The power supply is provided via an external Power Supply Unit. With the DS1PS1 up to 40 delegate units can be driven.

Specifications:

Input (RJ45):

Nominal input level: +16 dBu (2x2,2k)
Audio bandwidth: 30Hz – 60kHz

Line – Input (XLR):

Nominal input level: +/- 0 dBu
Audio bandwidth: 15Hz – 70kHz

AUX – Eingang (Cinch):

Nominal input level: - 10 dBu
Audio bandwidth: 20Hz – 50kHz

Effect (Switchboard jack):

Nominal input level: +/- 0 dBu
Audio bandwidth: 33Hz – 25 kHz

Line – Output (XLR):

Nominal output level: +/- 0 dBu
Audio bandwidth: 25Hz – 30kHz
THD & N at 1kHz: <0,1%
S/N ratio: >75dB S/N

Record – Output (Cinch):

Nominal output level: +/- 0 dBu
Audio bandwidth: 15Hz – 36kHz
THD & N at 1kHz: <0,01%
S/N ratio: >95dB S/N

Speaker – Output (RJ45):

Output power: 25 Watt
Nominal level: 7 Veff
Audio bandwidth: 33Hz – 25kHz
THD & N at 1kHz: <0,05%
S/N ratio: >88dB S/N

Operating voltage:

Power supply: 24-36VDC, typ.30V
Current consumption: 180mA (min)
2,5A (max)

*** add. modules & talk stations***

General:

Size: WxHxD: 483 x 44 x 250mm
19", 1HE
Weight: 3,6 kg
Colour: black RAL 9005

Ordering Data:	Central Unit	DS1CU	G-299
Accessories:	Delegate Unit	DS1DU	G-300
	Chairman Unit	DS1PU	G-301
	Control Panel	DS1CP	G-302
	Module AMX / Control Panel	DS1MCP	S-609
	Module RS232	DS1MRS	
	Power supply unit	DS1PS1	G-304