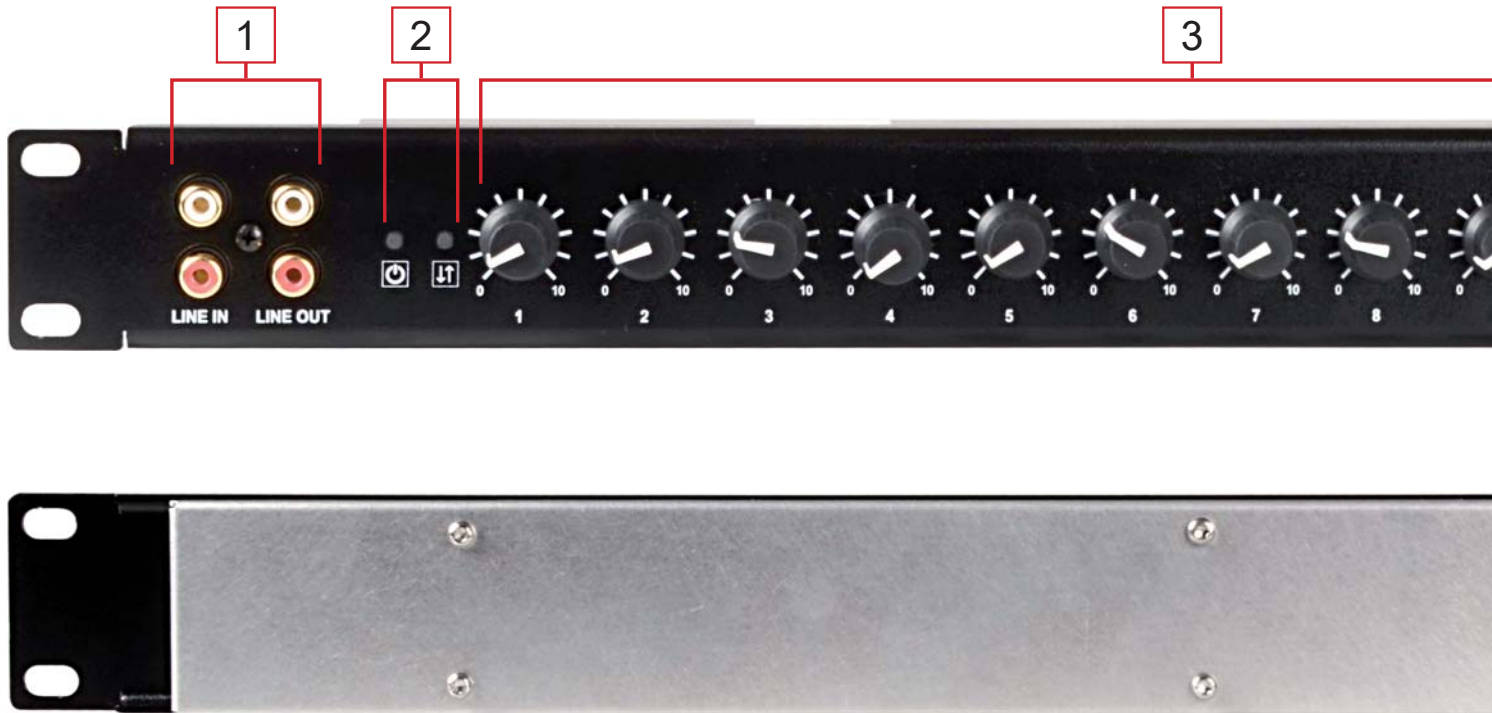# System component: PANEL CONTROL UNIT_12

CONTROL UNIT FOR ITECNET SYSTEMS

- **Very simple and convenient operation**
- **12 rotary potentiometers for analog control**
- **3 buttons for digital control**
- **2 display LEDs (operating status and data traffic)**
- **Free configuration via ITEC Netdesign**
- **Standard ITEC BUS connection to ITECNET system components**
- **12-24 V supply**
- **19" design, 1 HE for installation in standard racks**
- **Installation option for Audio Line In/Out**

1 Audio In/Out

The stereo RCA sockets on the front panel are connected to the terminal blocks on the back via resistors 7 (left and right channels are mixed together).
A simple and professional connection to other devices can be made using a standard RCA cable.

2 Display LEDs

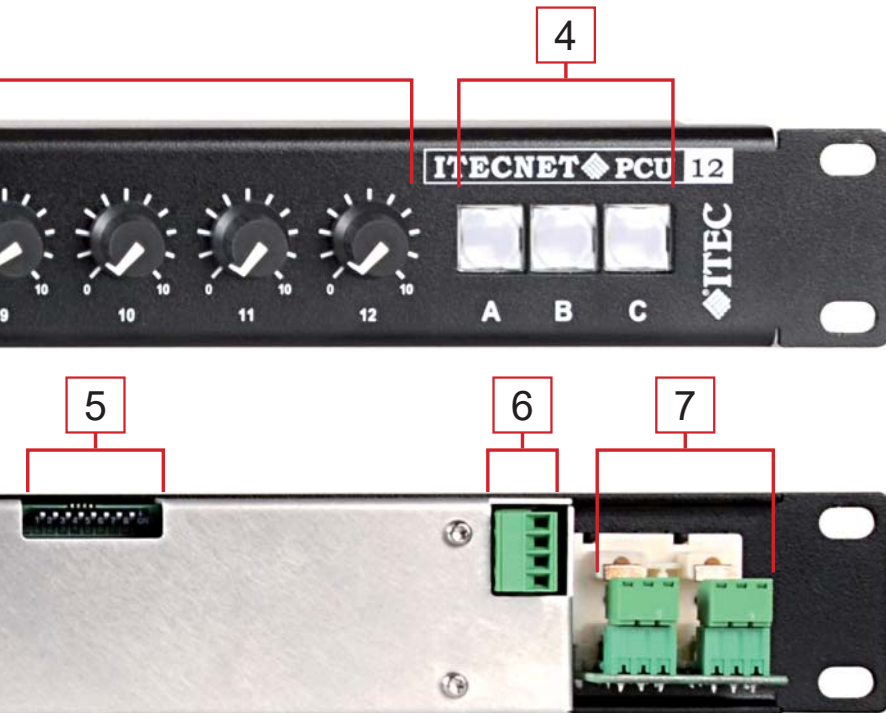The two LEDs on the front indicate the following states:

Operating status	⏻ LED	↓↑ LED
Standard mode	green	green
Error – no BUS communication	green	yellow
Bootloader / update active	blue	flashing blue
Critical error (no program)	flashing blue or red	flashing red

3 Potentiometer for volume control

A total of twelve potentiometers are available for volume control. Each potentiometer can be freely configured and assigned to an audio in- or output.

4 Push button with LED

There are three illuminated push buttons available, which can be freely configured via logical inputs and outputs using the ITEC Netdesign tool. These can be used, for example, to switch configurations. Common switching options include: „room empty", „normal" and „full".

5 DIP switch

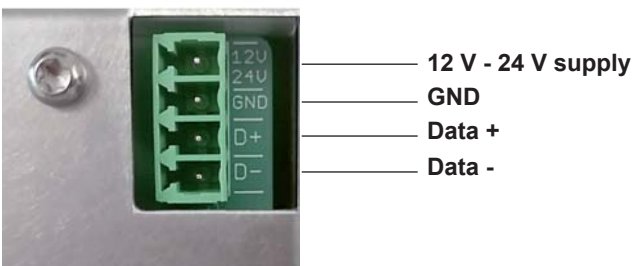The BUS ID is set using the DIP switch on the back.

SW	Designation	Function
1	ADDR0	BUS-ID valid range: 2 to 9
2	ADDR1	
3	ADDR2	
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-

Selecting the BUS ID:

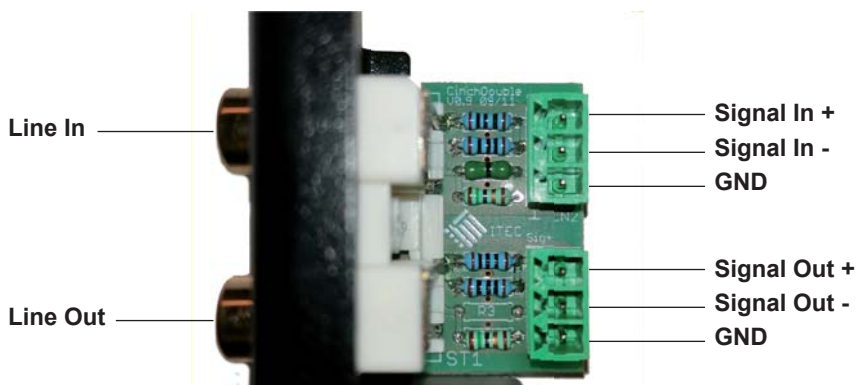| ID	ADDR2	ADDR1	ADDR0
2	OFF	OFF	OFF
3	OFF	OFF	ON
4	OFF	ON	OFF
5	OFF	ON	ON
6	ON	OFF	OFF
7	ON	OFF	ON
8	ON	ON	OFF
9	ON	ON	ON

6 Terminal block supply + RS485 with ITEC BUS protocol

The device is connected to a power supply (12 V to 24 V) on the four-pin plug-in terminal block and to the central unit (e.g. Spider88) via RS 485 (D+, D-).

- 12 V - 24 V supply
- GND
- Data +
- Data -

7 Terminal blocks Line IN/OUT

The terminal blocks are connected to the respective audio input or output of the respective control unit.

Line In — Signal In +, Signal In -, GND
Line Out — Signal Out +, Signal Out -, GND

PANEL CONTROL UNIT_12 - SPECIFICATIONS

Type	Flush installation in 19" / 1 HE front panel with protective housing
Power supply	12-24 VDC (9 V < U < 32 V) on plug-in terminal block
Current consumption	10 mA @ 24 V
Operating temperature	-5° C - +40° C
Dimensions	482 mm x 44 mm x 48 mm (W x H x D), 19" / 1 HE
Weight	0,35 kg
Interface	RS485, 19200 Baud default

All information without guarantee. Subject to technical changes.