K&F SystemRack

- 4 Channel driving unit for all mobile K&F speakers
- Remote control by K&F remote software
- High performance and high operational reliability

The K&F SystemRack is the driving unit for all K&F speakers in the ProRental segment. By the combination of the digital system controller K&F CD 44 and the Lab.gruppen amplifier FP 10000Q you are obtaining reproducible top quality results. In case of renting, the user benefits from the similar functioning of all K&F SystemRacks. Also, the operation ensures a high performance and a high operational reliability.

The CD 44 is a digital 4 in 4-way system controller for the configuration of all K&F ProRental speakers and of all systems of the series CA, Line, SW and ACCESS. The unit is equipped with analogue and digital signal inputs. There is an Ethernet interface for the remote control. The remote control, the monitoring and the update of the CD 44 controller are realized with the K&F CD remote software. Setups may be pre-programmed off-line with the remote software. Different K&F speaker systems may be assigned to the four output channels. 64 presets allow the programming of all regulations as parametric filters, delay and EQs. Shortcut keys supply a quick access to the functions Gain, Delay and Filter.

The Lab.gruppen FP 10000Q is a amplifier of international reputation in the touring business, with 2100 W at 4 Ohm per channel with 2RU and a weight of 12 kg. The regulated switch power supply stabilizes the supply voltage even in case of important network power variations within the range from 130 V to 265 V. The soft start allows the activation without triggering circuit breakers.

The advantage of K&F SystemRacks is clear: it permits a fast and intuitive work. After just a few steps the perfect base for creative work is available. This is our contribution for all people who are dedicating to the world of sound. Just in the sens of the Kling & Freitag philosophy.

K&F CD 44

<table>
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<tr>
<th>Feature</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>Input delay</td>
<td>Delay up to 200 ms with 100 μs resolution</td>
</tr>
<tr>
<td>Filters</td>
<td>31-band graphic EQ, 4 selectable filters (Bell, LShelv, HShelv, HighP, LowP, AP)</td>
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<tr>
<td>Gain</td>
<td>Digital gain control +20 dB to -96 dB</td>
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<tr>
<td>Output delay</td>
<td>40 ms total (2 x 20 ms) with 10 μs resolution</td>
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<tr>
<td>Filters</td>
<td>12 filters in the speaker specific K&amp;F LS blocks</td>
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AES / EBU Inputs

- Supported resolutions: Up to 24 bit
- Supported sample rates: 44.1 - 192 kHz, internal dejittering via sample rate converter

Analog-In to Analog-Out

- Frequency response: 20 Hz bis 20 kHz, ±0,1 dB
- Dynamic range: 115 dB typical, 20 Hz to 20 kHz, unweighted
- THD + noise: 0.0007 % (-103 dB) typical @ 1 kHz / +17 dBu (all gains zero)
- Conversion resolution: 24 Bit
- Internal sample rate: 96 kHz
- System propagation delay: 0.5 ms (analogue to analogue)
- Remote Interface: RJ45 EtherCon™ connector for a 10/100Base-TX ethernet (IP) connection

Power Requirements

- Max. Output Power: 4 x 2500 W / 2 Ω, 4 x 2100 W / 4 Ω, 4 x 1300 W / 8 Ω, 4 x 660 W / 16 Ω
- THD + noise: 0,009 % at 2/3 nominal load, 8 Ω
- Cooling: 2 temperature controlled fans
- Operating voltage: 230 V / operating range: 130 - 265 V
- Mains connector: 230 V CE: 16A
- max. current consumption: 27,6 A (230 V)
- Soft Start: max. 5 A

Dimensions and Weight

- Dimensions (W x H x D): 4 RU rack mount: 483 x 176 x 396 mm
- Weight: 16 kg (without optional rack frame and cabling)

*The SystemRack consists of the components CD 44, CP 4 and Lab.gruppen FP 10000Q – in this combination they are named K&F SystemRack.