

- 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, InstallSound and Classics speakers. 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 preprogrammed off-line with the remote software. Different K&F speaker systems may be assigned to the four output channels. 192 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 an 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.

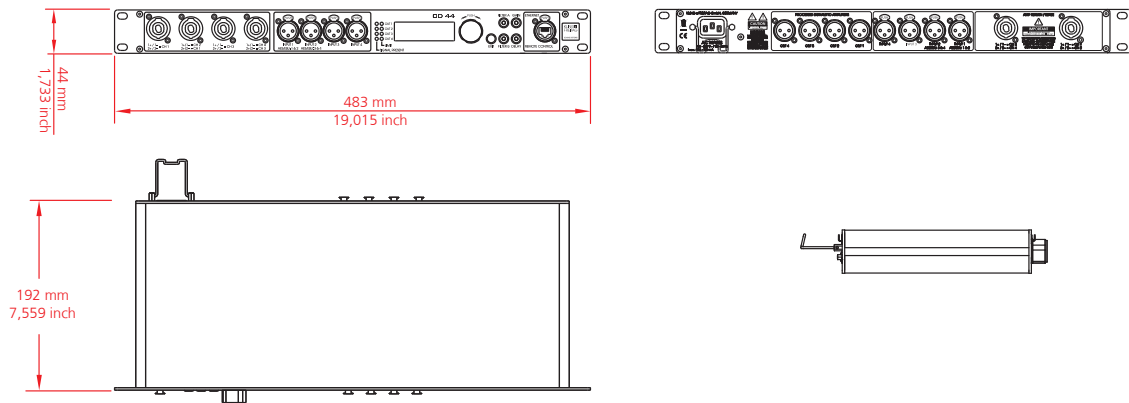


Image shows SystemRack with optional rack frame

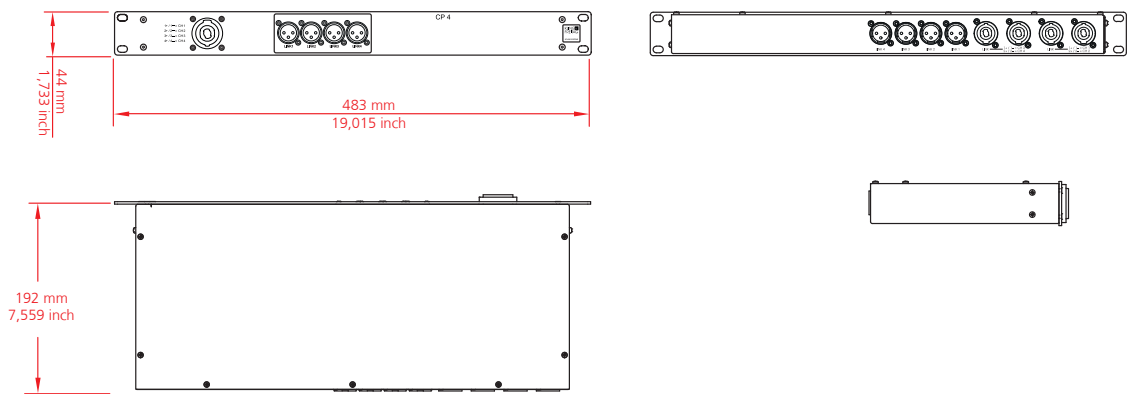
<b>K&amp;F CD 44</b>	
Input delay	Delay up to 200 ms with 100 µs resolution
Filters	31-band graphic EQ
	4 selectable filters (Bell, LShelv, HShelv, HighP, LowP, AP)
Gain	Digital gain control +20 dB to -96 dB
Output delay	40 ms total (2 x 20 ms) with 10 µs resolution
Filters	12 filters in the speaker specific K&F LS blocks
<b>AES / EBU Inputs</b>	
Supported resolutions	Up to 24 bit
Supported sample rates	44.1 - 192 kHz, internal dejittering via sample rate converter
<b>Analog-In to Analog-Out</b>	
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	100 - 240 V~ / 50 - 60 Hz
<b>Lab.gruppen FP 10000Q</b>	
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
Cooling	2 temperature controlled fans
Operating voltage	230 V / operating range: 130 - 265 V
Mains connector	230 V CE: 16A
max. current consumption	16,8 A (230 V)
Soft Start	max. 5 A
<b>Dimensions and Weight</b>	
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

## CD 44 Digital System Controller



## Connector Panel CP 4



## Lab.guppen FP 10000Q

