

PR-DC Series



PR-DC 2040



PR-DC 3060

PR-DC Series

Models: PR-DC 2040, PR-DC 3060, PR-DC 4080, PR-DC 8080

The **PR-DC Series** digital System Controller can be configured as "Stand Alone" devices for installations or "On Tour", as well as network solution up to 16 devices, which could be controlled by the means of a PC-based Graphics User Interface (GUI). This GUI not only gives a clear overview of all settings, but but at the same time it provides a real time hands on control over all systems parameters.

During the development of the devices we incorporated the latest four layers " State of the Art" analog and DSP boards and used top quality components like 24 bit AD/DA converters and a Analog Devices 40 bit floating point DSP, which was programmed with accurate and precise algorithms. This ends in reliable and top high end audio quality at an adequate and nice price.

The " / M" version of the controllers are featuring an adjustable input level for either microphone levels or line levels. A switchable 48 Volts Phantom Power is included as well.

If reliability, smart handling and superb audio quality is the criteria, the **PR-DC Series** system controllers are the first choice.

All technical specifications are subjected to be changed without prior notice!

PR electronic e.K. – Im Steinenbaechle 3 – D 73569 Eschach – GERMANY – Phone/Fax: +49 (0)7175-5600/4500

E-Mail: mail@pr-electronic.com – Web: www.pr-electronic.com

Technical Data

Model	PR 24-D	PR 2040-D / M	PR 3060-D / M	PR 4080-D / M	PR 8080-D / M
Input- x Output Channels	2 x 4	2 x 4	3 x 6	4 x 8	8 x 8
Input Impedance	>10 kOhm	>10 kOhm	>10 kOhm	>10 kOhm	>10 kOhm
AD/DA Converter	24 bit	24 bit	24 bit	24 bit	24 bit
Sampling Rate	96 kHz 40 bit F/K DSP	96 kHz 40 bit F/K DSP	96 kHz 40 bit F/K DSP	96 kHz 40 bit F/K DSP	96 kHz 40 bit F/K DSP
Output Impedance	<50 Ohm	<50 Ohm	<50 Ohm	<50 Ohm	<50 Ohm
Max. Input Level	+20dBu	+20dBu	+20dBu	+20dBu	+20dBu
Max. Output Level	+20dBu	+20dBu	+20dBu	+20dBu	+20dBu
Frequency Range (-0,2dB)	18Hz-25kHz	18Hz-25kHz	18Hz-25kHz	18Hz-25kHz	18Hz-25kHz
Dynamik Range	115 dB	115 dB	115 dB	115 dB	115 dB
Crosstalk	<-98dB	<-98dB	<-98dB	<-98dB	<-98dB
S/N Ratio	>106 dB	>110 dB	>110 dB	>110 dB	>110 dB
Distortion	<0,002%	<0,002%	<0,002%	<0,002%	<0,002%
Gain Range	-40 - +15 dB	-40 - +15 dB	-40 - +15 dB	-40 - +15 dB	-40 - +15 dB
Max. Delay	90ms	650ms	650ms	650ms	650ms
Equalizer (8x per I/O)	Para./Hi-shelf/ Lo-shelf	Para./Hi-shelf/ Lo-shelf	Para./Hi-shelf/ Lo-shelf	Para./Hi-shelf/ Lo-shelf	Para./Hi-shelf/ Lo-shelf
Equalizer Gain	-30 - +15 dB				
Bandwidth (Q)	0,5 - 72	0,5 - 72	0,5 - 72	0,5 - 72	0,5 - 72
Graphic EQ (1x per Input)	-	31 Band 1/3 Okt.	31 Band 1/3 Okt.	31 Band 1/3 Okt.	31 Band 1/3 Okt.
Crossover (2 per I/O)	Butt., Link.-Ri., Bess.	Butt., Link.-Ri., Bess.	Butt., Link.-Ri., Bess.	Butt., Link.-Ri., Bess.	Butt., Link.-Ri., Bess.
1x Compressor, 1x Limiter per Channel (PR 24-D only Limiter)	-20 - +20dBu, Tatt: 0,3 - 100ms, Trel: 2-32x Tatt.	-20 - +20dBu, Tatt: 0,3 - 100ms, Trel: 2-32x Tatt., Komp. Ratio: 1:1 - 1:40	-20 - +20dBu, Tatt: 0,3 - 100ms, Trel: 2-32x Tatt., Komp. Ratio: 1:1 - 1:40	-20 - +20dBu, Tatt: 0,3 - 100ms, Trel: 2-32x Tatt., Komp. Ratio: 1:1 - 1:40	-20 - +20dBu, Tatt: 0,3 - 100ms, Trel: 2-32x Tatt., Komp. Ratio: 1:1 - 1:40
Number of Pre-Sets	30	30	30	30	30
Mute Switch per Channel	yes	yes	yes	yes	yes
Phantom Power ("M" Mod.)	-	yes	yes	yes	yes
Audio-Connectors	2 x 4, XLR symmetric	2 x 4, XLR symmetric	3 x 6, XLR symmetric	4 x 8, XLR symmetric	8 x 8, clamps
Control Connectors	RS232, USB (B)	RS232, USB (B), Ethernet	RS232, USB (B), Ethernet	RS232, USB (B), Ethernet	RS232, USB (B), Ethernet
Control by GUI (PC software)	yes	yes, max 16 devices/LAN	yes, max 16 devices/LAN	yes, max 16 devices/LAN	yes, max 16 devices/LAN
Net Weight	4,3 kg / 9,5 lbs	4,5 kg / 9,9 lbs	4,5 kg / 9,9 lbs	4,6 kg / 10,1 lbs	4,6 kg / 10,1 lbs
Dimensions W/H/D (mm)	19"/44(1HE)/230	19"/44(1HE)/230	19"/44(1HE)/230	19"/44(1HE)/230	19"/44(1HE)/230
Dimensions W/H/D (Inch)	19" /1.73(1HU) /9.0	19" /1.73(1HU) /9.0	19" /1.73(1HU) /9.0	19" /1.73(1HU) /9.0	19" /1.73(1HU) /9.0

All technical specifications are subjected to be changed without prior notice!

PR electronic e.K. – Im Steinenbaechle 3 – D 73569 Eschach – GERMANY – Phone/Fax: +49 (0)7175-5600/4500

E-Mail: mail@pr-electronic.com – Web: www.pr-electronic.com