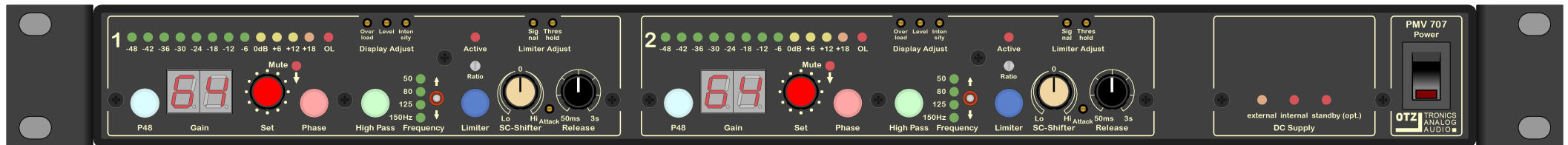


OTZTRONICS PMV 707: 2-CHANNEL MICROPHONE PREAMPLIFIER / LIMITER



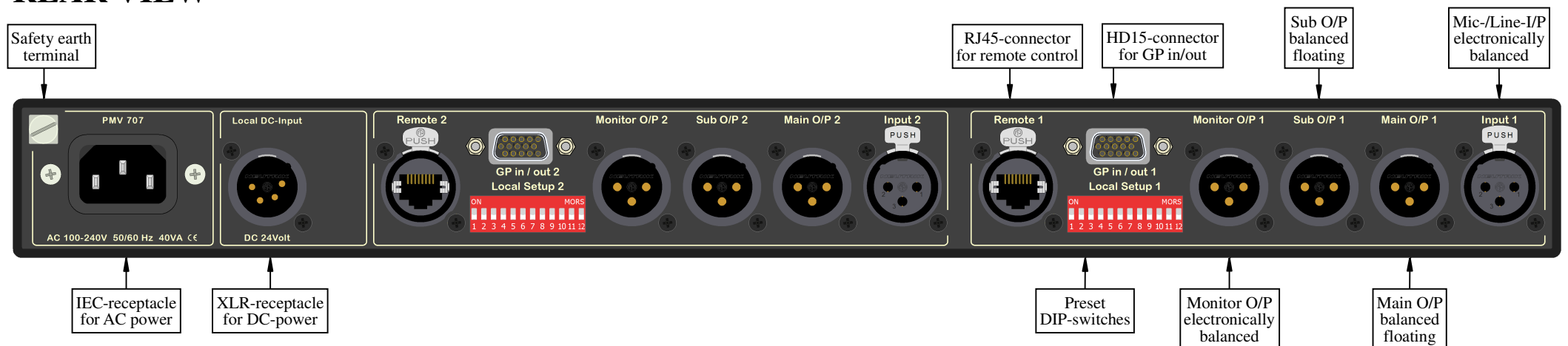
OTZTRONICS PMV 707: 2-CHANNEL MICROPHONE PREAMPLIFIER / LIMITER

Microphone / line-level preamplifier with the following characteristics:
 All core functions are handled by a micro-controller and are therefore also alternatively controllable by custom designed remotes.
 Balanced input amplifier with switchable phantom power and internally switchable pad (-20dB), gain adjustment from 0 to 66dB (0-18dB in 3dB steps, above 19dB in 1dB steps) and mute function
 Switchable phase inverter
 Switchable high pass filter 12dB/oct. with 50/80/125/150Hz corner frequencies
 Switchable peak limiter with sidechain filter and locally adjustable release control and pre-adjustable attack, threshold and ratio, and adjustable function-LED

Level meter with 66dB display range and separately adjustable clipping-LED, signal source preset before or after limiter

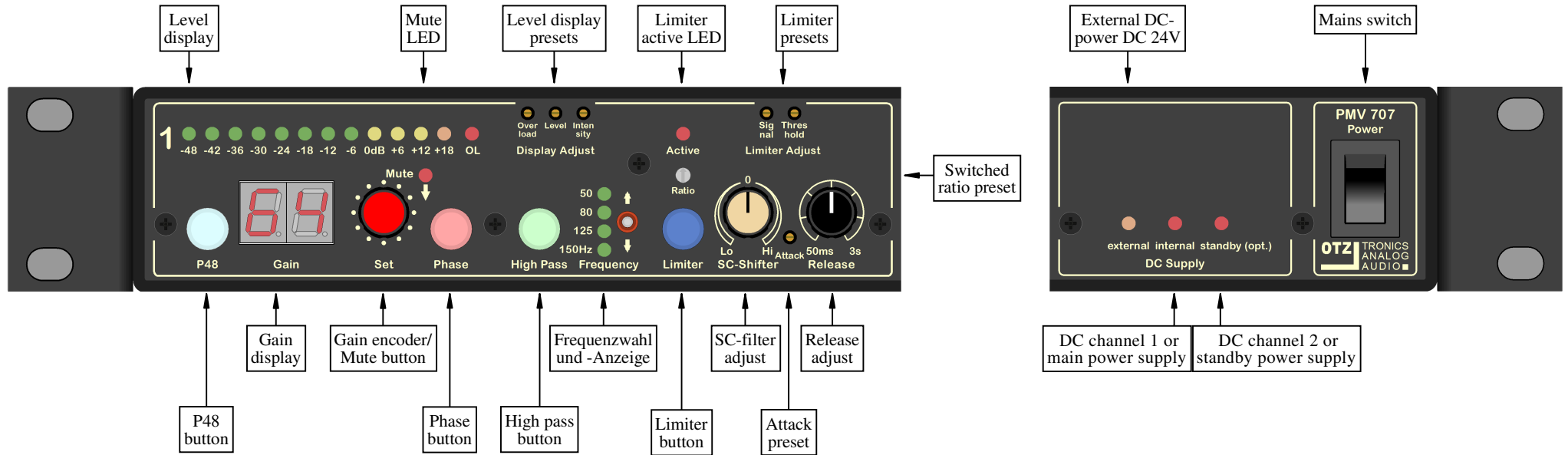
Audio input on XLR3 / F
 Main output via XLR3 / M transformer balanced and floating
 Sub output on XLR3 / M transformer balanced and floating
 Monitor output on XLR3 / M electronically balanced
 General Purpose in / out on HD15 / F with two relay outputs and 2 opto-coupler inputs as well as a RS422-interface
 Remote input on RJ45
 Switch block with 12 elements for presets

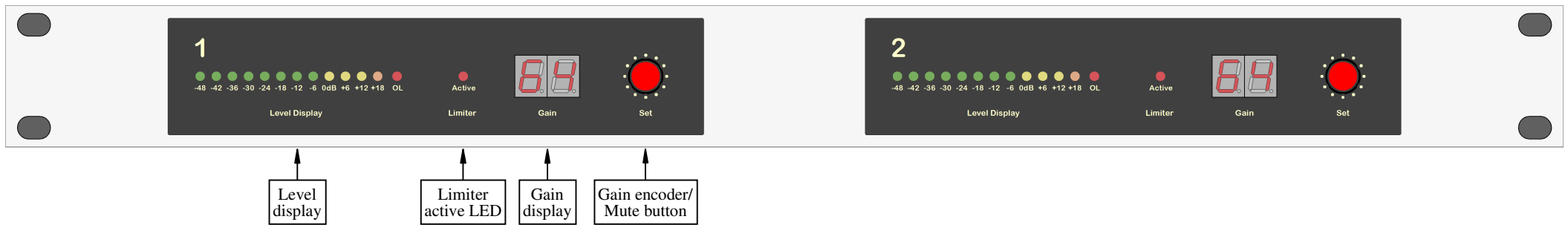
REAR VIEW



OTZTRONICS PMV 707: 2-CHANNEL MICROPHONE PREAMPLIFIER / LIMITER

(partial view, input channel 2 identical)





The simultaneous operation of more than one remote control is made possible by means of an additional power supply.

The figure shows a simple basic version. In general, the supply of customized versions, even in small quantities is possible.

PMV 707 SPECIFICATIONS:

INPUT SPECIFICATIONS:

Input (per channel)	balanced, grounded
Input Impedance	≥ 2.5 kOhms
Input Level for Nominal Output	-60dBu to +6 dBu
ditto, Pad-20dB active	-40dBu to +26 dBu
Maximum Input Level	+24 dBu
Maximum Input Level (-20dB pad active)	$> +30$ dBu
Common Mode Rejection ($V \geq 24$dB)	≥ 60 dB

OUTPUT SPECIFICATIONS:

Outputs Main / Sub (per channel)	balanced, floating
Load	≥ 300 Ohms
Output Impedance (40Hz to 6kHz)	≤ 40 Ohms
Common Mode Rejection (IRT)	≥ 50 dB / 20kHz
Monitor Output (per channel)	electronically balanced
Load	≥ 600 Ohms
Output Impedance	≤ 100 Ohms
Common Mode Rejection (IEC)	≥ 40 dB / 20kHz
Rated Output	+6dBu
Max. Output Level	+24dBu

FREQUENCY RESPONSE:

20Hz to 20kHz (ref. to 1kHz)	± 0.3 dB
-------------------------------------	--------------

DISTORTION (THD+N):

40Hz to 20kHz, $R_L=300$ Ohms @ +6 /+22dBu	$\leq 0.03\%$ (bandwidth 80kHz)
--	---------------------------------

NOISE LEVEL:

R_{Source} 200 Ohms, G= 60dB	≤ -67.9 dBu	≤ -56.8 dBqp
R_{Source} 200 Ohms, G= 48dB	≤ -79.5 dBu	≤ -69.0 dBqp
R_{Source} 200 Ohms, G= 36dB	≤ -90.6 dBu	≤ -79.5 dBqp
R_{Source} 200 Ohms, G= 0dB	≤ -104.5 dBu	≤ -94.3 dBqp
R_{Source} 200 Ohms, G= 0dB, Limiter on	≤ -89.5 dBu	≤ -80.5 dBqp
R_{Source} 200 Ohms, G= 0dB, Monitor Output	≤ -94.0 dBu	≤ -82.5 dBqp

DIMENSIONS:

Amplifier Unit, W/H/D	483x44.4x260mm (19" 1HU)
Remote Control Unit, W/H/D	483x43.8x60mm (19" 1HU)

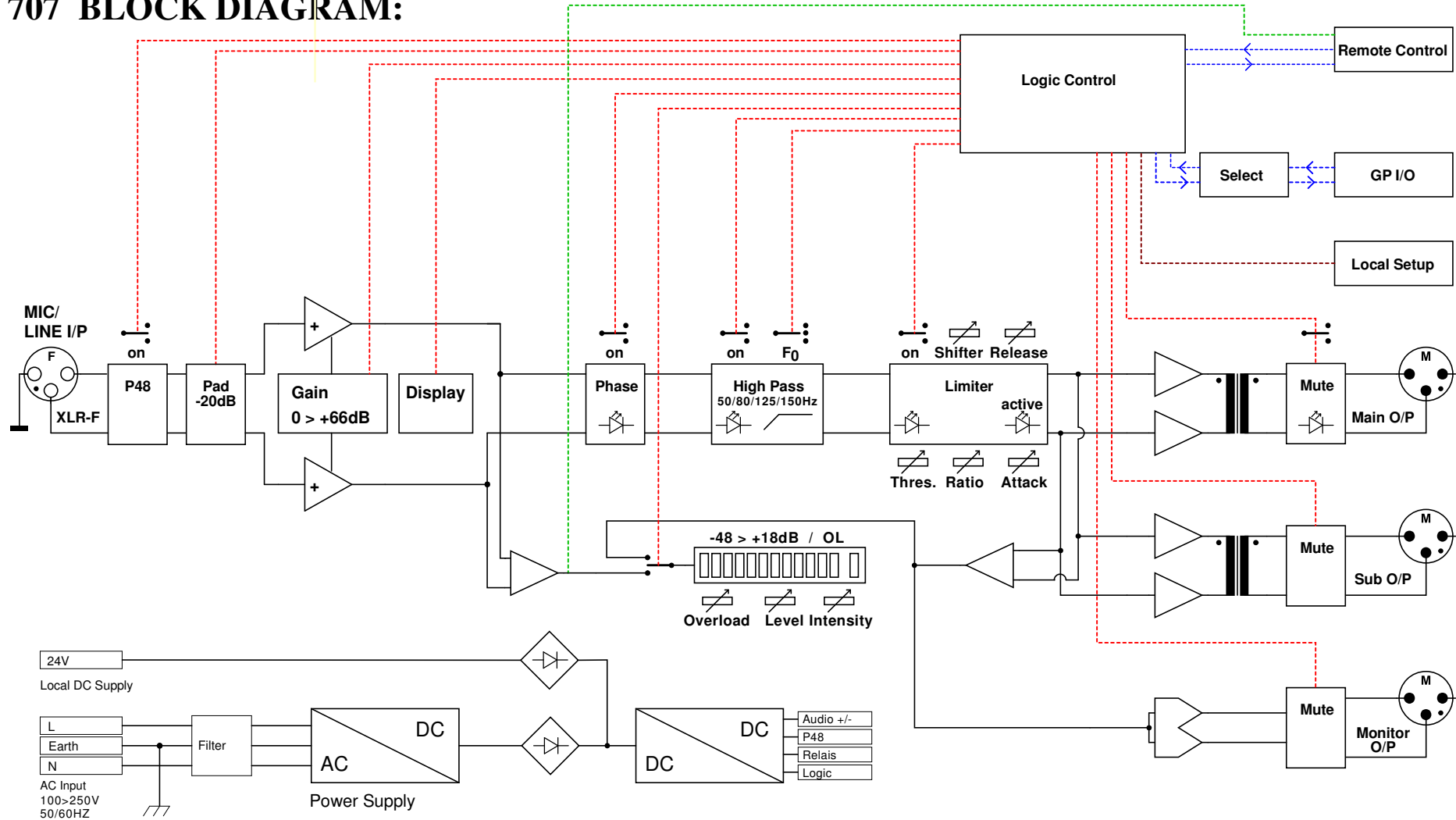
WEIGHT:

Amplifier Unit	4.1kg
Remote Control Unit	0.7kg

POWER REQUIREMENTS:

AC Line	100>250VAC, 50/60Hz, ca. 30VA
DC Source	20>36VDC, max. 30W

PMV 707 BLOCK DIAGRAM:



Otztronic Analog Audio Fon +49 2833 92651 Fax +49 2833 92652 Mail support@otztronic.com

PMV 707 LOCAL PRESETS:

- Switch 01: Pad -20dB
- Switch 02: Level Indicator behind preamplifier
- Switch 03: Main Mute off
- Switch 04: Sub Mute off
- Switch 05: Monitor Mute off
- Switch 06: Momentary Action for Mute
- Switch 07: not used
- Switch 08: not used
- Switch 09: not used
- Switch 10: not used
- Switch 11: not used
- Switch 12: Termination Data Line Remote (Standard: on)

PMV 707 CONNECTOR WIRINGS:

XLR-Connectors: according to DIN EN 60268-12

- RJ-45 / NE8FAH Pin 1: +24VDC
- RJ-45 / NE8FAH Pin 2: -24VDC
- RJ-45 / NE8FAH Pin 3: Signal for Level Display
- RJ-45 / NE8FAH Pin 4: Reserved
- RJ-45 / NE8FAH Pin 5: Reserved
- RJ-45 / NE8FAH Pin 6: Audio-Ground
- RJ-45 / NE8FAH Pin 7: RS485/1 A
- RJ-45 / NE8FAH Pin 8: RS485/1 B

- XLR4M / DC Pin 1/2: +24VDC
- XLR4M / DC Pin 3/4: -24VDC

PMV 707 GP I/O-INTERFACE:

