

# Audio Tools

## Preamplifiers

### MPA-202

Order No. 0320710

#### 2-channel low-noise microphone preamplifier

- 2 microphone inputs, XLR, bal.
- Gain control, 11 steps, 20-70 dB
- 2 level controls  $\pm 5$  dB
- LED green/red for indicating operation/peak
- Phantom power +12 V, can be activated as required
- Microphone phase, switchable for each channel
- Low cut: 15-240 Hz, continuously adjustable
- Subsonic filter 15 Hz, 18 dB/oct.
- 2 line outputs, XLR bal.
- 2 line outputs, RCA unbal.

Model	MPA-202
Frequency range	20-20,000 Hz
Input sensitivity	0.16-150 mV switchable
Input impedance	4.4 k $\Omega$ (bal.) 2.2 k $\Omega$ (unbal.)
Output signal	1-14 V (line, bal.) 1-7 V (line, stereo)
Output impedance	100 $\Omega$ /600 $\Omega$
Gain	15-75 dB
Crossover frequency	15-240 Hz, 6 dB/oct. (low cut), 15 Hz, 18 dB/oct. (subsonic)
Low cut	100 Hz
S/N ratio	> 68 dB, unweighted > 87 dB, weighted
THD	< 0.01%
Power supply	via encl. plug-in power supply
Dimensions	116 x 55 x 135 mm
Weight	980 g



### MPA-102

Order No. 0320650

#### 1-channel low-noise microphone preamplifier, for mains operation or battery operation.

- 1 microphone input, XLR, bal.
- Gain control, 11 steps, 20-70 dB
- LED green/red for indicating operation/peak
- Phantom power +24 V, can be activated as required
- Switchable microphone phase
- Low cut: 100 Hz, high cut: 12 kHz, 12 dB/oct., switchable
- 1 preamplifier output
- 1 stereo line input, 1 stereo line output
- Level control and pan pot for mixing the microphone signal to the stereo line channel

Model	MPA-102
Frequency range	20-20,000 Hz
Input sensitivity	0.3-150 mV, switchable
Input impedance	2.2 k $\Omega$ (mic) 10 k $\Omega$ (line)
Output signal	1-12 V (line, bal.) 1-6 V (line, stereo)
Output impedance	100 $\Omega$
Gain	20-70 dB (mic), 0 dB (line)
Crossover frequency	100 Hz/-3 dB, 12 dB/oct. (low cut) 12 kHz/-3 dB, 12 dB/oct. (high cut)
Low cut	100 Hz
S/N ratio	> 66 dB, unweighted (mic) 80 dB, unweighted (line)
THD	< 0.01%
Power supply	via encl. plug-in power supply; alternatively 3 x 9 V battery
Dimensions	116 x 55 x 125 mm
Weight	978 g



### SPR-6

Order No. 0210640

#### Stereo phono anti-distortion preamplifier acc. to RIAA, for connecting a turntable to the aux input or line input of a hi-fi system, a mixer or an amplifier, etc. Low hum effect due to metal case and supplied plug-in power supply.

Model	SPR-6
Frequency range	20-20,000 Hz
Input signal	5 mV/47 k $\Omega$
Output signal	450 mV/100 k $\Omega$
S/N ratio	> 50 dB
Power supply	via encl. plug-in power supply
Dimensions	67 x 37 x 121 mm
Weight	200 g



### MPR-1

Order No. 0212010

#### 1-channel microphone preamplifier, with switchable phantom power.

- 1 microphone input, XLR, bal. or 6.3 mm jack, bal.
- Gain control: up to 50 dB max.
- Clip LED
- 30 V phantom power, can be activated as required

Model	MPR-1
Frequency range	10-30,000 Hz
Input signal	3.5 mV (XLR, bal.) 16 mV (jack, bal.)
Input impedance	10 k $\Omega$
Output signal	1 V
Gain	50 dB (with bal. connection) 44 dB (with unbal. connection)
S/N ratio	58 dB
THD	0.1%
Power supply	via encl. plug-in power supply
Dimensions	113 x 92 x 40 mm
Weight	345 g



### MPR-6

Order No. 0210680

#### Microphone preamplifier, for connecting up to 2 microphones to a line input of a hi-fi system, an amplifier or a mixer.

- Stereo or 2 x mono
- Wide frequency range
- Black metal case
- Supplied with plug-in power supply

Model	MPR-6
Frequency range	5-40,000 Hz
Input signal	2 mV/1 V output
Input impedance	10 k $\Omega$
Output signal	max. 3.2 V/47 k $\Omega$
Gain	53 dB
S/N ratio	63 dB
THD	0.05%
Power supply	via encl. plug-in power supply
Dimensions	67 x 37 x 121 mm
Weight	215 g

