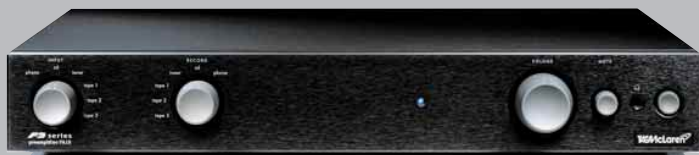


F3 series

preamplifiers




preamplifier PA10

FOR THOSE WHO prefer a separate preamplifier, TAG McLaren Audio's Class A entry-level preamplifier PA10 is perfect for driving any power amplifier, and provides everything necessary to operate both simple and complex systems with total control. It accepts cd, phono (moving coil and moving magnet), tuner and three tape decks. The PA10 allows the user to record from one source whilst listening to another, and a low-impedance line amplifier permits the use of long interconnect cables.

The enhanced refinement offered by the preamplifier PA10 ably demonstrates why experts recommend separate amplifier components.



preamplifier PA20R

OUR HIGH-END PREAMPLIFIER PA20R incorporates 'Straight Line Technology' , specially-selected high-quality components and the convenience of remote control, making it the perfect preamplifier for the purist. Featuring microprocessor control, it can accept six sources and three tape recorders, and can drive two separate power amplifiers. Input selection, volume control and muting can be operated via the remote control. For use with the finest phono cartridges, the preamplifier PA20R can be combined with TAG McLaren Audio's high-end phono preamplifier PPA20. Connection to any high-quality power amplifier will ensure a system which surpasses all expectations.



phono preamplifier PPA20

AT TAG McLAREN AUDIO, we understand that many of the world's most committed and dedicated music lovers still cherish the sound of black vinyl. To best exploit record collections, we have developed a highly-sophisticated, microprocessor-controlled phono preamplifier.

Designed to optimize the performance of either moving coil or moving magnet cartridges, the phono preamplifier PPA20 accepts signals from two turntables, with the user being able to fine-tune the performance to suit both. An optional upgrade to provide balanced outputs is available.

TAG McLaren
audio

hi-performance hi-fidelity

- Discrete component Class A electronics
- Five line level inputs and three tape loops
- Ability to record one input while listening to another
- Phono inputs for mc and mm cartridges
- Separate headphone amplifier
- Gold-plated phono connectors
- Dual low-impedance stereo outputs
- Digitally-controlled muting
- Proprietary Sorbothane® sonic isolation feet

- 'Straight Line Technology' **SL**
- Six line level inputs and three tape loops
- Ability to record one input while listening to another
- Intelligent microprocessor control using gold-contact relays
- Remote control
- Gain selectable in six steps
- Multiple regulated power supplies
- Gold-plated phono connectors
- Dual low-impedance stereo outputs
- Optional balanced outputs
- Digitally-controlled muting, with 'Time Constant Switching'
- Motorised potentiometer volume control
- Proprietary Sorbothane® sonic isolation feet

- 'Straight Line Technology' **SL**
- Precision RIAA equalisation
- Low-frequency response extends down to 0.1 Hz
- Settings for two different types of cartridge and three gains
- Switchable filters and output attenuator
- Gold-plated phono connectors
- Load sockets for special cartridge loading
- Dual low-impedance stereo outputs
- Optional balanced outputs
- Digitally-controlled muting with 'Time Constant Switching'
- Proprietary Sorbothane® sonic isolation feet

preamplifier PA10

- LINE LEVEL INPUTS – CD, TUNER, TAPE 1, TAPE 2, TAPE 3: 175 mV/20 k Ω
- PHONO INPUT – mm: 3.5 mV/47 k Ω /85 pF; mc: 175 μ V/100 Ω /3.3 nF
- SIGNAL TO NOISE RATIO – line level: greater than 92 dB; mm: greater than 81 dB; mc: greater than 77 dB
- FREQUENCY RESPONSE – 2 Hz to 65 kHz (-3 dB); \pm 0.5 dB (20 Hz to 20 kHz)
- TOTAL HARMONIC DISTORTION + NOISE – Less than 0.01%
- CHANNEL SEPARATION – greater than 60 dB at 1 kHz
- PREAMPLIFIER OUTPUT – greater than 7.76 V rms/100 Ω
- RECORD OUTPUT – TAPE 1, TAPE 2, TAPE 3: 0 dB/1 k Ω
- HEADPHONE OUTPUT – 100 Ω
- POWER CONSUMPTION – less than 25 W
- DIMENSIONS (W x H x D) – 445 x 75 x 336 mm

preamplifier PA20R

- INPUTS – CD, TUNER, TAPE 1, TAPE 2, TAPE 3: 90 to 500 mV (in 6 steps)/20 k Ω
- GAIN – Adjustable in 3 dB steps between 0 and 15 dB
- SIGNAL TO NOISE RATIO – greater than 97 dB
- FREQUENCY RESPONSE – 0.1 Hz to 75 kHz (-3 dB); \pm 0.2 dB (20 Hz to 20 kHz)
- TOTAL HARMONIC DISTORTION + NOISE – Less than 0.007%
- CHANNEL SEPARATION – greater than 100 dB at 1 kHz
- CROSSTALK REJECTION – greater than 100 dB at 1 kHz
- PREAMPLIFIER OUTPUT – greater than 7.76 V rms/100 Ω
- RECORD OUTPUT – TAPE 1, TAPE 2, TAPE 3: 0 dB/1 k Ω
- HEADPHONE OUTPUT – 100 Ω
- POWER CONSUMPTION – less than 25 W
- DIMENSIONS (W x H x D) – 445 x 75 x 336 mm

phono preamplifier PPA20

- PHONO INPUT – mm: 38 dB/2.2 mV/47 k Ω /100 pF; mc x 10: 58 dB/220 μ V/470 Ω /3.3 nF; mc x 30: 67 dB/ 75 μ V/470 Ω /3.3 nF
- MAXIMUM INPUT LEVEL – mm: 140 mV (+29 dB rel. 5.0 mV); mc x 10: 14 mV (+29 dB rel. 0.5 mV); mc x 30: 4.7 mV (+33 dB rel. 0.1 mV)
- OUTPUT – 11 V rms (max. at 1 kHz)/50 Ω
- SIGNAL TO NOISE RATIO – greater than 75 dB
- FREQUENCY RESPONSE (mm) – 0.1 Hz to 60 kHz (-3 dB); \pm 0.2 dB (10 Hz to 20 kHz)
- TOTAL HARMONIC DISTORTION + NOISE – mm: Less than 0.003%; mc: Less than 0.006%
- CHANNEL BALANCE – \pm 1 dB
- CHANNEL SEPARATION – greater than 98 dB at 1 kHz
- LOW FREQUENCY FILTER (IEC) – -3 dB at 20 Hz, 6 dB/octave slope
- BANDPASS FILTER – -3 dB at 40 Hz and 20 kHz, 12 dB/octave slope
- POWER CONSUMPTION – less than 25 W
- DIMENSIONS (W x H x D) – 445 x 75 x 325 mm