

F3 series

compact disc



cd player CD20R

TAG McLAREN AUDIO'S cd player CD20R provides remote control and sophisticated programming facilities in a single, space- and cost-saving chassis. It combines a high-quality transport mechanism with a single-bit digital to analogue converter, providing a 20-bit output resolution and 128-times oversampling, thus resulting in excellent music reproduction.

To ensure the CD20R remains part of your listening pleasure for many years to come, it offers upgrade potential by virtue of a separate digital output, allowing it to partner an outboard digital to analogue converter (such as TAG McLaren Audio's DAC20).

da converter DAC20

A PERFECT PARTNER for the single-chassis cd player CD20R or separate cd transport CDT20R is the digital to analogue converter DAC20. The DAC20 provides the latest digital cd technology – 24-bit digital input processing via a high-performance 24-bit digital filter and HDCD® compatibility.

Seven digital inputs are provided, allowing the user to connect not just cd transports but also DVD, MiniDisc, DAT, LaserDisc and other digital sources, via a choice of inputs – SPDIF (Phono and BNC), EIAJ optical TOSLINK™ and AES/EBU balanced XLR.

An important feature of the DAC20 is HDCD® compatibility, ensuring cds mastered using this quality-improvement process can be fully appreciated.

cd transport CDT20R

FOR CD USERS who prefer to have their cd player in the form of its two constituent parts, TAG McLaren Audio presents the cd transport CDT20R, a perfect partner to our digital to analogue converter DAC20.

The fully remote-controlled CDT20R uses the highly-regarded CDM 12.4 transport mechanism coupled to a three-beam laser. TAG McLaren Audio uses its own digital decoding and signal processing module to ensure the disc is read accurately, and that unwanted digital artefacts such as jitter are kept to a minimum. Ensuring flexibility, the CDT20R is fitted with a selection of output types – SPDIF (Phono and BNC) and AES/EBU balanced XLR.

The latest output circuitry eliminates high-frequency ringing to guarantee upper octave integrity when connected to an outboard da converter.

TAG McLaren
audio

hi-performance hi-fidelity

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features specification

'Straight Line Technology' **SL**

- High-stability transport mechanism with digital servo control, visco-elastic silicone rubber suspension, three-beam laser and linear motor
- Low-noise master clock
- Remote control
- Microprocessor to prevent damage and reduce the number of key presses
- Sophisticated programming allows up to 59 tracks to be played in any order, including repetitions
- Gold-plated phono connectors
- Dual low-impedance stereo outputs
- 75 Ω SPDIF digital output
- Digitally-controlled muting
- Proprietary Sorbothane[®] sonic isolation feet

'Straight Line Technology' **SL**

- Ultra linear, low-noise, low-distortion, single-bit DAC with 24-bit capability
- HDCD[®] compatible with automatic switching
- Microprocessor control
- Digital output for high-quality digital recording
- Low-noise master clock
- Synchronizes and locks automatically to digital input to minimize jitter
- Automatic sampling frequency selection and automatic De-Emphasis
- Multiple input formats
- Dual low-impedance stereo outputs
- Digitally-controlled muting
- Proprietary Sorbothane[®] sonic isolation feet

- High-stability transport mechanism with digital servo control, visco-elastic silicone rubber suspension, three-beam laser and linear motor
- High-quality cd-loader mechanism
- Low-noise master clock
- Impedance-matched interface for all clock and data signals
- Remote control
- Microprocessor prevents damage and reduces the number of key presses
- Sophisticated programming allows up to 59 tracks to be played in any order, including repetitions
- Multiple output formats
- Proprietary Sorbothane[®] sonic isolation feet

cd player CD20R

CD MECHANISM – CDM 12.4
CD LOADER – L1265/51
DIGITAL TO ANALOGUE CONVERSION – 128-times oversampling digital interpolator, fourth order delta sigma modulation, single bit
DIGITAL FILTER – 20-bit, passband ripple, ± 0.001 dB
ANALOGUE OUTPUT – 2.0 V rms (full scale output)/100 Ω
DIGITAL OUTPUT – coaxial SPDIF/500 mV pp (into rated load)/75 Ω
SIGNAL TO NOISE RATIO – greater than 100 dB
FREQUENCY RESPONSE – ± 0.5 dB (2 Hz to 20 kHz)
TOTAL HARMONIC DISTORTION + NOISE – Less than 0.003%
CHANNEL BALANCE – less than ± 0.5 dB
CHANNEL SEPARATION – greater than 100 dB at 1 kHz
POWER CONSUMPTION – less than 25 W
DIMENSIONS (W x H x D) – 445 x 75 x 314 mm

da converter DAC20

DIGITAL TO ANALOGUE CONVERSION – 192-times oversampled, pulse density modulated, single bit
DIGITAL FILTER – 24-bit, 8-times oversampling, passband ripple, ± 0.0001 dB
DIGITAL INPUT (coaxial SPDIF) – 200 mV pp (into rated load)/75 Ω (phono and BNC)
DIGITAL INPUT (AES/EBU) – 200 mV pp (into rated load)/110 Ω (XLR)
DIGITAL INPUT (Optical EIAJ RC-5720) – -27 to -14.5 dBm (TOSLINK [™])
ANALOGUE OUTPUT – 2.0 V rms (full scale output)/ 4.0 V rms (HDCD [®]) /100 Ω
DIGITAL OUTPUT – coaxial SPDIF/500 mV pp (into rated load)/75 Ω
SIGNAL TO NOISE RATIO – greater than 100 dB
FREQUENCY RESPONSE – ± 0.5 dB (2 Hz to 20 kHz)
TOTAL HARMONIC DISTORTION + NOISE – Less than 0.003%
CHANNEL BALANCE – less than ± 0.5 dB
CHANNEL SEPARATION – greater than 110 dB at 1 kHz
POWER CONSUMPTION – less than 25 W
DIMENSIONS (W x H x D) – 445 x 75 x 320 mm

cd transport CDT20R

CD MECHANISM – CDM 12.4
CD LOADER – L1210/05
DIGITAL OUTPUT (coaxial SPDIF) – 600 mV pp/75 Ω (phono and BNC)
DIGITAL OUTPUT (AES/EBU) – 2.8 V pp/110 Ω (XLR)
DIGITAL OUTPUT RISE AND FALL TIMES – 30 nS (typical)
POWER CONSUMPTION – less than 25 W
DIMENSIONS (W x H x D) – 445 x 75 x 320 mm

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