

# Tuner AvantGarde T32R<sup>DAB</sup>

the world's most sophisticated analog and digital tuner

## Analog radio

- Audiophile FM quality
- Two FM antenna inputs
- Full radio text (RDS, EON)
- High quality MW and LW
- Reception improvement filters

## Digital radio

- Audiophile quality
- Upgrade to DAB at any time without penalty
- Future proof DAB module provided by Robert Bosch Multimedia Systems
- Band III and L Band
- Digital outputs

**Why choose between analog and digital radio technology** when the T32R, the world's most sophisticated digital and analog tuner, can receive both. If your location is not already covered by digital radio broadcasting you can purchase the T32R as an audiophile quality analog (FM/MW/LW) tuner and upgrade to full digital reception at a later stage, without any penalty or compromise.

**Our award winning analog radio technology** overcomes many of the obstacles associated with providing good radio reception, resulting in audiophile quality programmes. Selectable modes and filters ensure minimal distortion and coloration and maximum clarity even under difficult reception conditions. A second FM antenna input allows convenient expansion to cable supplied radio. The T32R's full radio text implementation, combined with an excellent custom-designed display, gives up to date programme and station information.

**Digital Radio** (Digital Audio Broadcasting) is the future of radio and offers many advantages over existing analog technology. With additional programme choice and functionality digital radio is ready to take radio broadcasting into the next millennium.

The new digital broadcasting technology gives interference-free reception with no hiss or degradation of signal and allows more radio stations to be broadcast due to its efficient use of radio frequencies. Radio text is more powerful and many auxiliary services, such as still picture transmission or data channels, will be added in the future. The T32R digital radio section is already compatible with bands III and L reception.



If you use our av processor AV32R you can switch between stations using the AV32R's remote control and display station names and radio text on your TV. You can even send T32R remote commands via the AV32R over the TAGtronic Bus, allowing you to place the T32R out of view.

**"...the T32R is quite possibly the best radio in the world... not only is the T32R easy to use and flexible, it also sets new performance standards..."**

What Hi-Fi? - June 2000

**"The T32R blows its rivals away with a sound less like standard radio than ever before... Stuff say Excellent - it will change the way you feel about radio."**

Stuff - April 2000

## Features

- Hi-visibility custom VFD display
- Fully software upgradable via the Internet using a PC
- TAGtronic Communication Bus for intelligent system expansion
- Fully Remote controlled
- Integrates with TAG McLaren av processor AV32R





# award-winning tuner technology

## Digital Radio

The (optional) digital radio extension module has been developed to TAG McLaren Audio's specification in conjunction with Robert Bosch Multimedia Systems. This fully software upgradable module can easily be added at any time without compromising the performance of the T32R.

## Multi-band Digital Radio

The digital radio extension module is already prepared for both band III and L band reception. Besides the analog output there are also digital outputs for connection to external DA converters.

## Hi-technology analog radio section

The T32R includes switchable IF filters, high-blend and a mono mode. Together with the T32R's highly sophisticated phase-locked loop digital synthesizer and charge integrating demodulator they provide true hi-fidelity even under difficult reception conditions.

## Multiple FM antennae

A second FM antenna input is provided to allow convenient expansion to cable distributed radio programmes.

## Serious computing power

Good ergonomics are essential for sophisticated products. The T32R includes an unusually powerful microcontroller, allowing a highly intuitive user interface that provides maximum functionality with tremendous flexibility, including full remote control, 99 station memories (including mode settings) and a comprehensive display. Best of all, digital radio is integrated as a 'new waveband' making it easy and familiar to operate.

## For the power user

Out of the box, the T32R is amazingly simple to use, but it includes a mode for the power users who want to fully customize their T32Rs.

## Wake-up in style

The T32R features alarm, snooze and sleep functions.

## Full remote control

The intuitively designed Remote Control manages the T32R's many functions. Whether selecting an antenna, storing a station or accessing the advanced customisation menu, you can do it all from the comfort of your chair.

## A safe investment for the future

Thanks to its modular design and the addition of the TAGtronic Communication Bus, the T32R is prepared for the future. Modules are easily exchangeable and new software can be downloaded from the Internet and programmed into the T32R via a PC.

## Sophisticated AM circuitry

The MW and LW sections allow for clear, crisp sound with a minimum of background noise. They have been designed not to impair the audiophile sound quality of the FM or DAB sections.

## Premium grade audio components

The analog stages use high-precision, ultra-stable, metal film Vishay resistors and low dielectric loss Wima polypropylene capacitors for improved transparency and excellent noise suppression. The pre-amplification stage uses our 'Straight Line' amplification technology to prevent intermodulation distortion through a direct-coupled signal path for ultimate fidelity.

## System integration and expansion

The TAGtronic Communications Bus enables products equipped with this advanced interface to share and transfer information easily (e.g. allowing multi-room installation and full system integration).

## Award winning design

Like our internationally acclaimed AV processor AV32R the T32R combines multilayer printed circuit boards with a mixture of surface mount and leaded component technologies. Ten individual linearly regulated power supplies, a magnetically shielded toroidal transformer and vibration damping via acoustic damping pads and sorbothane™ feet result in superb quality with a very low noise floor.

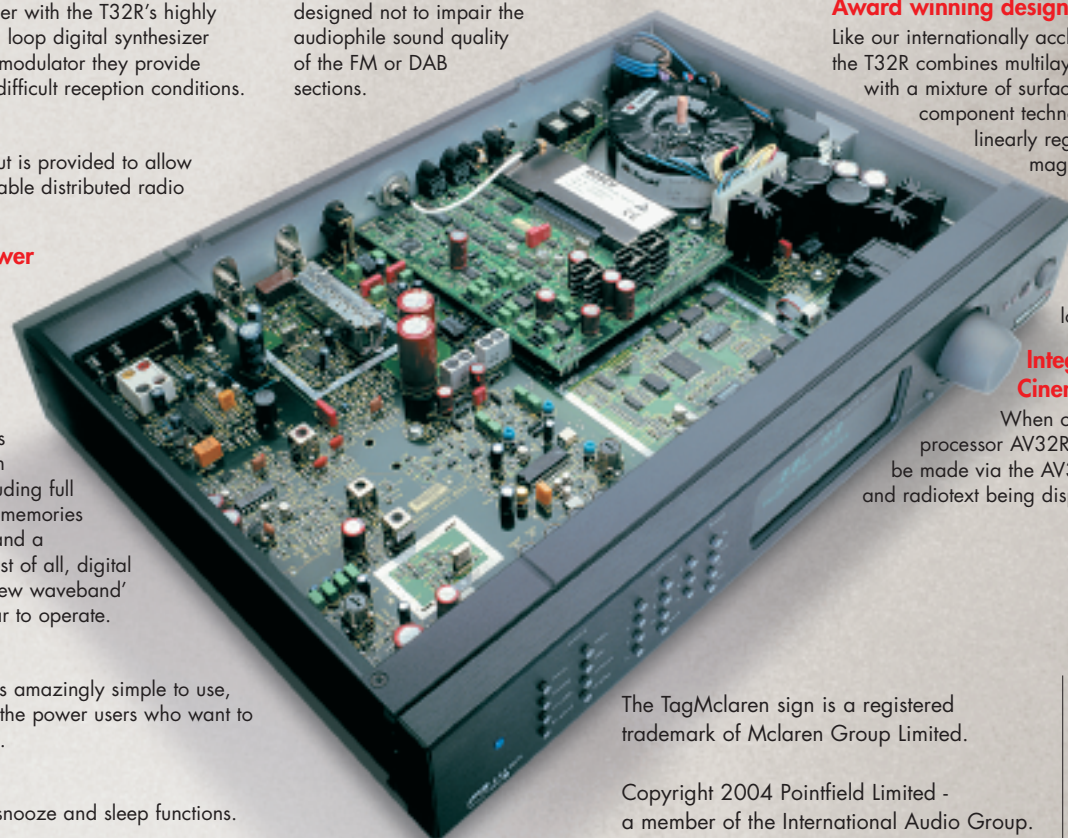
## Integration into Home Cinema

When connected to our AV processor AV32R station selection can be made via the AV32R with station name and radiotext being displayed on TV.

## Technical Specification

Colour	black anodised or metallic silver paint
<b>FM section</b>	
Tuning range	87.5 - 108.0 MHz
Stereo separation (1 kHz)	> 50 dB
THD (1 kHz)	< 0.08% (stereo, IF wide)
Pilot tone rejection (19 kHz)	> 80 dB
Sensitivity	33.5 dBµV (IHF 50 dB, stereo)
Ultimate S/N (IHF)	>72 dB (for > 64 dBµV, stereo)
Alternate channel selectivity (IHF)	> 65 dB (IF narrow)
<b>MW/LW section</b>	
MW tuning range	531 - 1602 kHz 530 - 1710 kHz (USA)
LW tuning range	144 - 288 kHz
Selectivity	> 50 dB
THD (1 kHz)	< 0.5% (30% modulation)
Ultimate S/N	> 54 dB
MW sensitivity	600 µV/m (for 20dB S/N)
LW sensitivity	800 µV/m (for 20dB S/N)
<b>Digital radio section</b>	
Tuning range	1452 - 1492 MHz (L-Band) 174 - 240 MHz (Band III) modes I, II, III & IV
Station memories	99
Outputs	analog phono, digital phono, BNC and TOSLINK
Power consumption	< 35 W
Dimensions (W x H x D)	approx. 445 x 75 x 338 mm
Weight	approx. 7 kg

We reserve the right to alter design and specification without notice. Specification may vary for different countries.



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