marantz®

DAB Stereo Tuner

ST7001

Also black available

ST7001 - Dual Band DAB/FM/AM stereo tuner

The ST7001 opens the door in a new world of radio listening - DAB - Digital Audio Broadcasting offers you a huge program variety of music and information. Digital broadcasting guarantees a sound quality like CD, without any birdy whistle noise related to a pure antenna signal. The ST7001 has a Dual Band DAB tuner to cover both frequency bands (L & III) available for DAB to make sure that you don't miss out on any important station. This tuner is not only suited for the digital age is an excellent FM and AM tuner as well. The ST7001 is build according to the Marantz philosophy to ensure crystal-clear reception and audiophile-quality sound, and is constructed using the highest-quality components for unshakable reliability and stability. Step into the world of high quality radio with the ST7001 and enjoy superb sound quality.

NEW

DAB   R·D·S RADIO DATA SYSTEM   24 BIT 192 kHz

Environmental Friendly marantz   COAX DIGITAL OUTPUT   OPT DIGITAL OUTPUT

RANGE *SERIES*

because music matters

Features	Benefits

Features

- Dual Band DAB
- Customized Components
- 2x 100 presets programmable
- Radio Data System (RDS)
- Sleep & Timer function
- Manual station name input
- Remote control
- D-Bus

Benefits

- Listen to every digital broadcasted station available on either frequency band
- Special selection of audiophile components to give the best possible sound quality
- Instant recall of up to 100 DAB and 100 FM/AM of your favorite stations
- Additional useful and convenient information about or from your favorite broadcasts
- Fall asleep or wake up by the sound of your favorite station
- Allows changing or adding the name of favorite radio stations
- Full control with the supplied remote within any audio system
- Flexible Marantz system integration and intelligent system adaptation

Technological glossary

Stay tuned
ST7001 is fully compatible to the latest technologies on Digital Audio Broadcasting and guarantees best sound quality. This sophisticated tuner features besides DAB reception also FM/AM and with up to 100 presets for DAB and 100 for FM/AM everything is under control. Additional broadcasted information like RDS on FM is also available and will be shown on the large display. The dedicated remote control and a port for future software updates make the ST7001 to a sophisticated tuner. The analogue symmetrical circuitry and the power supply circuit are equipped with specially selected or even customized components to enhance the sound quality. The Marantz ST7001 continues the Marantz tradition of providing the ultimate in precision tuner performance.

Digital Audio Broadcasting
DAB is a digital radio system, which was developed by the Eureka 147 Project. It offers near CD-quality sound, more stations, additional radio and data services and therefore wider choice of programs, the ease of tuning and interference-free reception for the listener, plus the information potential of data, graphics and text. DAB is broadcast on terrestrial networks, and you are able to receive it using solely a tiny non-directional stub antenna. The two main frequency bands for DAB transmission are Band L (1.452 - 1.492 GHz) and Band III (174 - 240 MHz). The digital audio signal compression on MPEG standard offers data rates up 384kBit/s which guarantees a very high sound quality without any distortion. Aside from distortion-free reception and CD Quality sound, DAB offers further advantages as it has been designed for the multimedia age. DAB can carry not only audio, but also text, pictures, data and even videos - all on your radio (when broadcasted)!

Customized components
Every Marantz product is designed with a fine ear and eye for details. The designers have to know the characteristics of every component. On paper the component might look excellent but the result may fall short of the combined design expectations. Therefore Marantz collects vast amounts of information upon specifics component performance capabilities. The result guarantees Marantz selects the appropriate components for the specific design application. The sonic result is then critically acclaimed by international reviewers. In other cases it's simply not possible to use standard components that meet the high Marantz standards. These components will then be specially made for Marantz only in co-operation with the Marantz engineers.

RDI output
To make the ST7001 ready for future developments we have installed an additional RDI (Radio Data Interface) optical digital output. This output allows reception and decoding of future text, graphics and video data, provided you link the tuner with an RDI-enabled PC or set-top box.

Radio Data System (RDS)
Information about your favorite radio station on the display of your tuner! The Radio Data System provides information about general things like the name of the radio station, program type of the tuned program, displaying of the actual time and radio text with additional information to played music.

Sleep & Timer function
The sleep/timer function offers full programmability of the switch on and off operation of the system, including the amplifier. Very useful when you want to record a timed radio broadcast or if you want to be awakened by your audio system.

Manual station name input
Add the name of your choice to your favorite radio station. With Manual Station Name Input you decide what name comes up in the display of your tuner, especially when the radio station does not provide RDS information.

Marantz D-Bus
To optimize equipment in terms of ease of use, Marantz has designed the D-Bus system. Individual devices inform each other, in order to automatically tune to the customers demands. At the same time received remote control commands are communicated via this bus. This enables equipment without IR-receiver, like a cassette deck or tuner, to be controlled via a Marantz System Remote Controller.

Environmental friendly
Every electronic equipment product is built of single electrical components that are made of different material and substances. Marantz assure that the components used in our products are free of any dangerous material or substance to keep our environment clean. We have for example removed hazardous substances like lead in the solder.

Bypacked accessories

- User manual

- Power cable

- Remote control

- 1 pair audio cinch cable

- D-Bus cable

- DAB antenna

- FM antenna

- AM loop antenna

- Batteries

RC7001ST

FEATURES

Broadcast bands: DAB / FM / MW / LW	•/•/•/-
Dual Gate MOS-FET	-
Phase Lock Loop Synthesizer	•
IF Bandwidth Selector	-
High Alternate Channel Selectivity	-
HDAM	-
Customised Components	•
System Blocks Shielding (front end)	•
Presets	100(DAB)/100(FM/AM)
Auto Tuning	•
RDS: PTY/PS/CT/TA/TP	•/•/•/-/-
RDS: EON	-
Station Naming	•
Sleep / Timer	•/•
Birdy Whistle Elimination Circuitry	•
Gyro Touch Tuning	-
Display dimmer	•

DAB Features

DRC	•
Digital filter	tbf
D/A Converter	192kHz/24bit

IN/OUTPUTS

Analogue Out	1
D-Bus In/Out	1
DAB terminal (1F)	1
FM Antenna	1
AM Antenna	1
Digital Outputs: Coaxial / Optical	1/1
RDI output: Coaxial / Optical	-/1

SPECIFICATIONS

DAB SECTION

Receiving Range	Band III / Band L
Signal to Noise Ratio (Mono/Stereo)	103 dB
Total Harmonic Distortion (Mono/Stereo)	0.007%
Frequency response	tbf
Channel Selectivity	tbf
Usable Sensitivity	tbf
Stereo Separation	tbf

TUNER SECTION FM

Frequency Range	87.5 - 108 MHz
Signal to Noise Ratio (Mono/Stereo)	70 / 75 dB
Total Harmonic Distortion (Mono/Stereo)	0.5 / 0.5 %
Frequency response	tbf
Channel Selectivity	tbf
Usable Sensitivity	IHF 1.1 µV / 12.2 dBf
Stereo Separation	1 kHz, 45 dB (Stereo)

TUNER SECTION AM

Frequency Range: MW / LW	522 - 1620 kHz
Signal to Noise Ratio: MW / LW	54 / - dB
Distortion	2%
Channel Selectivity	tbf

GENERAL

Available colors: Platinum/Gold/Silver/Black	-/-/•/•
Metal Front Panel	•
Remote Control	RC7001ST
Power Consumption	tbf
Detachable Power Cable	•
Maximum Dimensions (W x D x H)	440 x 350 x79 mm
Weight	tbf

Design and specifications are subject to change by Marantz without notice.

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