

Studioline Dual Band DAB/FM/AM Tuner

ST7001P



The ST7001P is the first DAB tuner to be added to our 'Studioline' range of products, opening the door in a new world of radio listening - DAB. Complete Digital Audio Broadcasting offers a huge program variety of music and information. CD quality audio, and without any noise related to a pure antenna signal. The ST7001 specifically includes 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, FM and AM tuner, and 19" rackmounting kit.

Key Features

- Dual Band DAB / FM / AM Stereo Tuner
- Customised Components
- 2x 100 presets programmable
- Radio Data System (RDS)
- Manual station name input
- Remote control
- D-Bus (RC5)
- 2U

ST7001P

Specifications		Frequency response	+0.5/-0.5 dB (5 Hz ~ 20 kHz)
Features		Digital output	Optical, Coaxial
Broadcast bands	DAB / FM / MW	Sampling frequency	48 kHz
Phase Lock Loop Synthesizer		Aerial terminal	75 Ω/ohm, F female
Customised Components		Analog output level	2 Vrms
Presets	100(DAB)/100(FM/AM)	FM Tuner section	
Auto Tuning RDS	PTY/PS/CT	Frequency range	87.5 MHz ~ 108.0 MHz
Station Naming		Antenna terminals	75 Ω/ohm Unbalanced
Sleep / Timer		Usable sensitivity	1.1 μV (12.2 dBf) 1.1 μV (IHF)
Birdy Whistle Elimination Circuitry		Image interference ratio	80 dB
Display dimmer		IF interference ratio	100 dB
DAB Features		AM suppression ratio	50 dB
DRC		Effective selectivity	50 dB (±400 kHz)
Digital filter	tbf	Capture ratio	2.0 dB
D/A Converter	192kHz/24bit	Frequency characteristics	20 Hz ~ 15 kHz +0.5/-1.0dB
Inputs/Outputs		Signal-to-noise ratio	
Analogue Out	1	Monaural	74 dB (IHF), 70 dB (DIN)
D-Bus In/Out	1	Stereo	68 dB (IHF), 64 dB (DIN)
DAB terminal (1F)	1	Total harmonic distortion	
FM Antenna	1	Mono 1 kHz (at 75 kHz dev.)	0.2 %
AM Antenna	1	Stereo 1 kHz (at 67.5 kHz dev.)	0.3 %
Digital Outputs	Coaxial x1	Stereo separation 1 kHz (WIDE)	43 dB
Optical	x 1	AM Tuner Section	
RDI output	Optical x 1	Frequency range	522 kHz ~ 1611kHz
DAB Section		Antenna terminals	Terminal type with loop antenna
Frequency range	174.928 (5A) ~ 239.200 (13F) MHz (BAND III) 1452.960 (LA) ~ 1490.624 (LW) MHz (L-BAND)	Usable sensitivity	18 μV
Sensitivity	-99 dBm	Signal-to-noise ratio	53 dB
Signal-to-noise ratio	103 dB	General	
THD+N	0.007 % (1 kHz)	Available colours	Black
Channel separation	100 dB (1 kHz)	Metal Front Panel	
Selectivity	40 dB (at adjacent channel)	Remote Control	RC7001ST
		Power Consumption	12 Watts
		Detachable Power Cable	
		Maximum Dimensions (W x D x H)	475 x 350 x 88mm
		Weight (inc rack mount kit)	4.6kg

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



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