

MUSICAL FIDELITY

A5 FM/DAB Tuner

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OVERVIEW

The A5 FM/DAB tuner is designed to produce outstanding musical performance. It has 24-bit 192k upsampling technology.

On FM it has great sensitivity and selectivity which when coupled to the excellent noise ratio and separation give outstanding musical results. The sound quality is sweet, clear and translucent. It has a beguiling "there" quality which is unusual from any signal source let alone FM. Live broadcasts have an extraordinary level of realism and ambient presence.

The A5 FM/DAB tuner's DAB section is exceptional. It uses *exactly the same* digital electronics and output stage as the renowned A5 CD. Looked at from a technical point of view the A5 Tuner is really an A5 CD player with a DAB source as opposed to a CD mechanism. It's not a surprise that comparative tests between an A5 tuner and A5 CD player give almost identical listening results. The A5 CD is regarded as one of the best digital players ever but for a DAB tuner to achieve the same, or very nearly the same, sonic results is quite an achievement and something altogether special for DAB radio.

If you're into radio then this tuner is a prize.

FEATURES & BENEFITS

**24-bit 192k
upsampling
technology**

Produces outstanding musical performance.

**Very sensitive FM/DAB
front end section**

Ease of station capture and great sonic performance

9 power supplies

Each stage of each channel operates in ideal conditions with no interaction between any

Ten presets each for FM and DAB	Makes like easier
State of the art tube output stage	Sweet translucent sound like you've never heard before from a tuner

SPECIFICATIONS

Stereo

DAB Modes	supports modes: I, II, III, IV VHF 174 240 MHz RF frequency range L Band (standard and Canada) 1452 1492MHz
VHF measurement to EN50248	-96 -97 dBm Sensitivity
L Band measurement to EN50248	-95 -96.5 dBm
L-band after error connection 0.02	-15 dBm Maximum Input Signal for Pseudo channel BER with real value
Band III after error correction	0 dBm
Adjacent Channel Selectivity	32 33 dBm (Measured to EN50248)
Far-off selectivity measurement to EN50248	45 48 dBm
Acquisition sensitivity	101dBm
Input Impedance	50Ω F type connector (to VHF/L-Band diplexer)
FM Specifications	
RF Frequency Range	87.5 108MHz
RF Sensitivity (S+N)/N=26dB, 90MHz@22.5kHz Dev. F. Mod=1 kHz	5 V
RF Limiting Sensitivity	0.5 V
(S+N)/N Ultimate signal to noise ratio 90MHz @ 200mV/22.5kHz Dev. F. mod=1kHz	63dB
THD 90MHz @ 200mV/75kHz Dev. F. mod=1kHz	0.5%
Stereo Channel Separation	30dB
RDS data	CENELEC EN50067 compliant

DAC and Output Specifications

DAC circuits	24 bit Delta-Sigma (Bit stream) dual differential 8x over sampling
Up sampling	192kHz
Total correlated jitter	< 135PS
Linearity	< 0.1dB down to -96dB
Output circuits	Valve (tube) buffer stages
Audio output at digital 0dB level	2.15VRMS at 1kHz nominal
Analogue output impedance	47 Ohms
Frequency response	10Hz to 20kHz -0.2dB max
Channel separation	> 105dB 20Hz to 20kHz
Signal / noise ratio	> 113dB "A" weighted
Total harmonic distortion	< 0.003% 10Hz to 20kHz
Aerial input	1 F-type (female) with securing thread DAB/FM
Analogue output	1 pair RCA connectors
Digital Outputs	1 optical (Toslink), 48 kHz 1 S/PDIF (RCA connector), 48 kHz
Power requirements	100 / 115 / 230V AC 50/60Hz (factory preset) 30 Watts
Dimensions	440mm, 17.3 inches wide 126mm, 4.9 inches high including feet 379mm, 14.9 inches deep including rear terminals and on/off button
Weight	10.8kg, 23.8lbs unit only, un-boxed 14.8kg, 32.6lbs in shipping carton
Standard accessories	Telescopic tri-band aerial with F-plug connector Remote control handset (universal type with DAB), 2 batteries size LR03 or AAA, manganese alkaline type, IEC mains lead (10 Amp type)