



DESCRIPTION

The RT-1570 not only offers conventional radio reception for FM and DAB stations (including DAB+ where available), but features internet radio streaming and audio playback from a media server.

Internally the RT-1570 features one of Rotel's renown toroid transformers with separate windings for four independent power supplies; Two for the DAC circuits and a third for the filter and output stages. The filter/output circuits also include 'Slit-Foil' capacitors specifically developed for this model. The fourth power supply supports subsidiary circuits including the CPU and display. All of these circuits feature independent regulation and filtering as befits an audiophile product.

The Wolfson DAC offers the advantage of differential outputs to maximise performance, in conjunction with selected components for the signal path, filter circuits and output stages.

As well as receiving FM and DAB (DAB+) stations, the RT-1570 will accept a range of audio codecs (most notably mp3, FLAC and AIF), with resolution and sampling rates up to 24bit/96kHz. This versatility means that most internet radio services and very high-resolution audio files (normally stored on a local media server) will be reproduced in their native format and resolution. You may also be interested to know that other Rotel products, such as the RA-1570 or RC-1570 feature a special PC-USB input that can reproduce digital audio files of up to 24 bit/192kHz resolution.

The RT-1570 can easily be incorporated into multi room systems via RS232 and controlled with the likes of Crestron or AMX. The 'Rotel Link' is a straight forward 'plug and play' method of controlling compatible 'Rotel Link' products including amplifiers and CD players. The RT-1570 includes a 12V trigger for simple system on-off control.



FEATURES

- DAB+ / FM / internet radio with network streaming
- Separate 30 pre-set memory banks for DAB, FM and internet radio
- Audiophile Wolfson DAC converts the FM / DAB+ module's digital output to analogue for improved audio performance
- Playback of high resolution files up to 24bit/96KHz
- High performance Rotel designed and built toroidal transformer
- Wound sectional transformer to separate digital and analogue circuits for virtually noise free audio signal paths
- 4 independent voltage regulator circuits for the digital and analogue circuits
- Slit foil capacitors utilized in power supply section to minimise noise and distortion.
- RT-1570 circuit layout and components derived from the RC-1570 pre-amplifier development
- Both digital and analogue outputs are available for maximum system integration and flexibility

SPECIFICATIONS

| | |
|---|---|
| FM Tuner | |
| Usable Sensitivity | 22.2 dBf |
| 50dB Quieting Sensitivity | 27.2 dBf (mono) |
| Signal to Noise Ratio (at 70 dBf) | |
| Mono | 65 dBf |
| Stereo | 60 dBf |
| Harmonic Distortion (at 70 dBf) | |
| Mono | 0.2% |
| Stereo | 0.3% |
| Frequency Response | 10Hz-15kHz, ±3 dB |
| Stereo Separation (100Hz/1kHz) | 40 dB/30 dB |
| Output Level | |
| Line | 1V |
| Digital | 0.7V |
| Antenna Input | 75 ohms unbalanced |
| DAB Tuner | |
| Sensitivity | -80 dBm |
| Tuning Range | Band III (174-240MHz) |
| Audio Data Rate | 224Kbps (Max) |
| Frequency Response | 20-20kHz, ±0.2 dB |
| Analog Output | 2.3V at 0 dBFs |
| Antenna Input | 75 ohms F connector |
| General | |
| Network Connection | 802.11 b/g |
| Security | WEP, WPA1 (TKIP) WPA2 (TKIP) |
| File Formats (UPnP Music Server) | AAC, MP3, WMA (except lossless), OGG vorbis, WAV, AIFF, FLAC and AU |
| Power Consumption | 16 watts |
| Standby Power Consumption (normal mode) | 0.5 watts |
| Power Requirements (AC) | |
| USA | 120V, 60 Hz |
| Europe | 230V, 50 Hz |
| Dimensions (W x H x D) | 430 x 99 x 310mm 17 x 4 x 12 1/4 in |
| Front Panel Height | 2U (88.1mm, 3 1/2 in) |
| Weight (net) | 6.33kg, 13.96 lb |

www.rotel.com