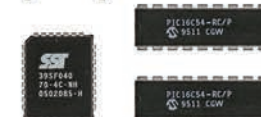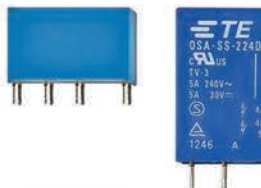T14

ROTEL

POWER

CD14

ROTEL
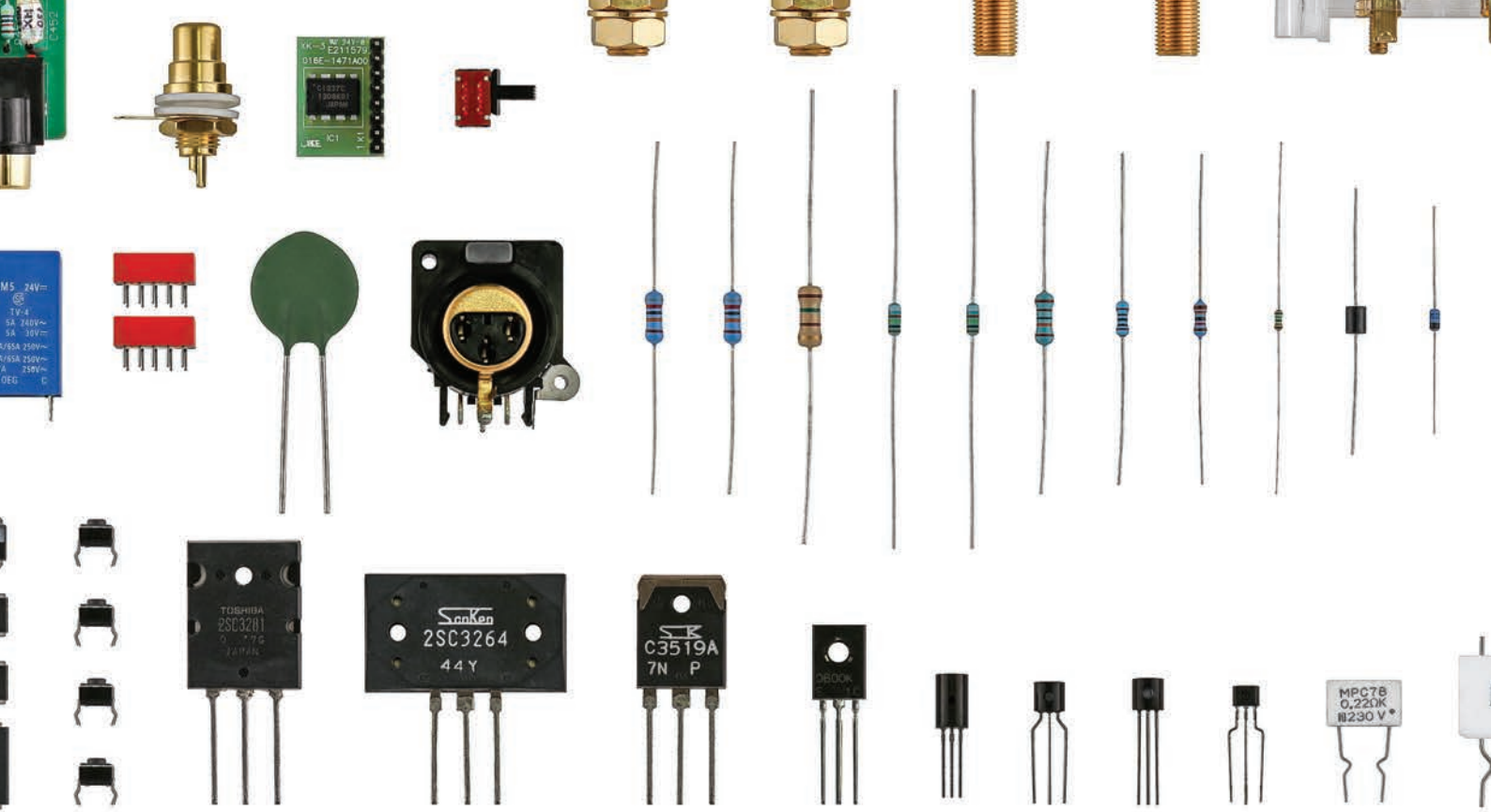
POWER

55 years
of excellence...

For over half a century, Rotel has been manufacturing award winning hi-fi components that set new levels of audio performance within and often above its class. The 14 Series represents the very essence of Rotel's world renowned Balanced Design Concept. It is the stunning embodiment of audio performance, sleek industrial design and exceptional value. Rotel's approach to the 14 Series ensures that only critically selected electronic components are used throughout the audio path, whilst doing away with all unnecessary features that can only get in the way. So while performance is paramount, the 14 Series features simple and intuitive controls for quick access to what is after all the most important piece: the music.

The result of Rotel's painstaking attention to detail is a range of exceptional hi-fi components built by music enthusiasts for music enthusiasts. Whether your inclination tends towards vinyl or streaming high resolution digital files from your phone, the 14 series will connect with your favourite music sources to deliver stunning realism.

All 14 Series Amplifiers feature Rotel manufactured toroidal transformers.

Custom designed and
manufactured by

ROTEL®

A14

The flagship A14 has the highest power and widest set of features in the range. The A14 is rated at 80 watts per channel RMS into 8 ohms, both channels driven. Yet ratings alone do not reflect real world usage. The A14 features a rugged power supply comprising a Rotel-manufactured toroidal transformer plus slit-foil capacitors to effortlessly handle difficult speaker loads and dynamic signal peaks. This is an impressively flexible audio component, designed to accommodate both classic analogue and the latest digital source components supported by the on-board AKM 32 bit/768kHz DAC. But its greatest strength lies in its ability to render a musical performance exactly as the artist intended.

80 watts per channel
Bluetooth with aptX
iOS / Android control App
AKM 32 bit / 768 kHz DAC
PC-USB with DSD support
Signal sensing power control

Inputs:	ANALOG	DIGITAL
	Aux (2)	Coax (2)
	CD	Optical (2)
	Tuner	PC-USB with DSD (32 bit/384kHz)
	Phono (MM)	Apple iOS USB
		Bluetooth with aptX

A12

The A12 integrated amplifier displays the same clean lines and intuitive operation as the A14 with output power rated at 60 watts per channel RMS into 8 ohms. Rotel engineers begin their quest for uncompromising audio performance at the power supply. This is the heart of an amplifier and an area where considerable time and investment is spent. Rotel manufactures its own toroidal transformers in-house to high tolerances using raw materials selected from proven, trusted suppliers. The result is a rugged power supply that won't easily distort the music under dynamic conditions or with difficult speaker loads.

60 watts per channel
Bluetooth with aptX
iOS / Android control App*
Wolfson high performance DAC
PC-USB 24 bit / 192 kHz
4 line graphic display

Inputs:	ANALOG	DIGITAL
	Aux (2)	Coax (2)
	CD	Optical (2)
	Tuner	PC-USB (24 bit/192kHz)
	Phono (MM)	Apple iOS USB
		Bluetooth with aptX

*requires connection to T14

A10

If you are considering taking your first step into a true hi-fi system or are seeking a small, high quality audio system for another living space, you can't do better than the A10 integrated amplifier. The A10 is all about maximum performance for the price. Its design strips away added features that increase the overall cost and can detract from your musical enjoyment. Simple to operate and a pleasure to listen to, the A10 has connectivity for all your listening sources including an analogue media input (3.5mm mini-jack) for iOS devices or other media players, a CD input, a MM phono input in case your taste runs to classic LPs, a Tuner input to listen to your favourite radio stations and two Aux inputs for other analogue source devices.

40 watts per channel
High current power supply
Precision analogue volume control
3.5mm analogue media input
Star Ground low noise design

Inputs:	ANALOG
	Aux (2)
	CD
	Tuner
	Phono (MM)
	Tape

Bring your music to life.

Throughout the company's history, there is one particular audio category that Rotel has excelled at time and time again and for which it has won countless awards – the Integrated Amplifier. The inherent challenges that stem from combining a low-level stage (preamplifier) with a high-level stage (power amplifier) create engineering obstacles that if not handled with great care and precision can result in an audio component that plays music, but is not musical. How Rotel achieves success is not a secret. It follows a philosophy called Balanced Design Concept, a set of engineering and manufacturing principles that delivers consistently musical results. Learn more at www.rotel.com.

T14 FM/DAB+/PLAY-FI STREAMING TUNER

This is not your father's tuner. While the T14 can receive classic analogue FM stations, it has also been designed to take advantage of Digital Audio Broadcasts (DAB+), as well as all popular Internet streaming services. That's a lot of options, but Rotel's T14 makes selecting them as simple as the touch of a button. The 30 FM and DAB+ presets provide easy access to all of your favourite music stations. A near endless supply of music sources are supported by the T14 using the DTS Play-Fi iOS and Android Apps including Spotify, Pandora, Tidal, Rhapsody, Amazon Music, Deezer and more. Your listening options for radio broadcasts have never been more varied or available at such high quality.*

Play-Fi technology and wireless audio streaming

Integrated dual-band Wi-Fi

TI 32 bit / 384 kHz DAC

Independent digital and analogue power supplies

iOS / Android control App

Coaxial digital and analogue outputs

T11 FM/DAB+ TUNER

Rotel has been producing quality tuners since the 1960s. One of the latest additions to this long-established line-up is the T11 FM/DAB+ tuner. It provides a wealth of listening options with easy access to classic analogue FM stations as well as newer DAB+ (Digital Audio Broadcasting) services. Like the T14, T11 features the ability to easily store and recall up to 30 presets each for FM or DAB+ stations. A further useful feature common to all 14 Series products is the ability to dim the display panel and power LED to provide a comfortable visual reference in all lighting environments.

30 x FM / 30 x DAB+ memory pre-sets

DAB+ dynamic range control

RS232 control

4 line graphic display

RDS display

Remote control

*subject to station broadcast quality

"Music is the universal language of mankind"

Henry Wadsworth Longfellow

Music speaks to everyone, no matter what your culture. Just make sure you are hearing everything that is said.

CD14

In 1989, Rotel confirmed its digital audio expertise with the launch of the RCD-855 CD player. The press was overwhelming in its praise, one critic going so far as to call it "The steal of the century", and since then Rotel has never looked back. The CD14 design begins with a carefully engineered power supply to ensure separate, ripple-free voltage and current to both digital and analogue circuits. It maintains the same clean lines and intuitive operation as the other 14 series models, while demonstrating an uncanny ability to resolve even the smallest musical details in a recording.

Precision CD mechanism

Wolfson high performance 24 bit / 192 kHz DAC

Independent digital / analogue power supplies

iOS / Android control App*

Disc metadata display

Coaxial digital and analogue outputs

*requires connection to A14 or T14

When music matters, Rotel delivers.

The love of music is the reason Rotel has been designing and manufacturing audio systems for 55 years; it's their lifeblood. Rotel's success depends upon creating audio components that immerse the listener and deliver the personal experience that the artist intended.

SPECIFICATIONS

	A14	A12	A10
Continuous Power Output (20 - 20kHz, < 0.03%, 8 ohms)	80 watts/ch	60 watts/ch	40 watts/ch
Total Harmonic Distortion (20 Hz - 20 kHz at rated power)	< 0.03%	< 0.03%	< 0.03%
Intermodulation Distortion (60 Hz : 7kHz, 4:1)	< 0.03%	< 0.03%	< 0.03%
Frequency Response			
Phono Input	20Hz - 15kHz, ± 0.5dB	20Hz - 15kHz, ± 0.5dB	20Hz-15kHz, ±0.3 dB
Line Level Inputs	10Hz - 100kHz, ± 0.5dB	10Hz - 100kHz, ± 0.5dB	10Hz - 40kHz, ±1 dB
Damping Factor (20 - 20,000 Hz, 8 ohms)	220	220	180
Input Sensitivity / Impedance			
Phono Input	3.4 mV / 47k Ohms	3 mV / 47k Ohms	2.5 mV / 47 k Ohms
Line Level Inputs	230 mV / 24k Ohms	200 mV / 24k Ohms	150 mV / 24 k Ohms
Input Overload			
Phono Input	50 mV	50 mV	180 mV
Line Level Inputs	4 V	4 V	5 V
Preamp Output / Impedance	1.2 V / 470 Ohms	1 V / 470 Ohms	1 V / 470 Ohms
Tone Controls - Bass / Treble	± 10 dB at 100Hz / 10kHz	± 10 dB at 100Hz / 10kHz	± 6 dB at 100Hz / 10kHz
Signal to Noise Ratio ("A" weighting)			
Phono Input	90 dB	90 dB	80 dB
Line Level Inputs	100 dB	100 dB	100 dB
Digital Section			
Frequency Response	10Hz - 80kHz (± 3.0dB, MAX)	10Hz - 80kHz (± 3.0dB, MAX)	
Signal to Noise Ratio (IHF "A" weighted)	103 dB	103 dB	
Input Sensitivity/Impedance	0 dBfs/75 Ohms	0 dBfs/75 Ohms	
Preamplifier Output Level	1.3 V (at - 20dB)	1.3 V (at - 20dB)	
Digital Inputs	SPDIF LPCM (up to 192kHz / 24 bit)	SPDIF LPCM (up to 192kHz / 24 bit)	
PC-USB	USB Audio Class 1.0 (up to 96kHz 24bit) USB Audio Class 2.0 (up to 384kHz 32bit)* *Driver installation required DSD and DoP support	USB Audio Class 1.0 (up to 96kHz 24bit) USB Audio Class 2.0 (up to 192kHz 24bit)* *Driver installation required	
General			
Power Requirements			
Europe	230V, 50Hz	230V, 50Hz	230V, 50Hz
USA	120V, 60Hz	120V, 60Hz	120V, 60Hz
Power Consumption	280 watts	230 watts	220 watts
Standby Power Consumption	< 0.5 watts	< 0.5 watts	
Dimensions (W x H x D)	430 x 93 x 345mm 17" x 3 5/8" x 13 1/2"	430 x 93 x 345mm 17" x 3 5/8" x 13 1/2"	430 x 73 x 347mm 17" x 2 7/8" x 13 5/8"
Front Panel Height	80mm, 3 1/8"	80mm, 3 1/8"	60mm, 2 3/8"
Weight (net)	8.2kg, 18 lb	8kg, 17.6 lb	5.9kg, 13 lb

	T14	T11		CD14

FM Tuner	T14	T11
Usable Sensitivity	22.2 dBf	22.2 dBf
50dB Quieting Sensitivity	27.2 dBf (mono)	27.2 dBf (mono)
Signal to Noise Ratio		
Mono	65 dBf (at 70 dBf)	63 dBf (at 65 dBf)
Stereo	60 dBf (at 70 dBf)	60 dBf (at 65 dBf)
Harmonic Distortion		
Mono	0.2% (at 70 dBf)	0.2% (at 65 dBf)
Stereo	0.3% (at 70 dBf)	0.3% (at 65 dBf)
Frequency Response	10Hz - 15kHz, ± 3dB	10Hz - 15kHz, ± 3dB
Stereo Separation (100Hz/1kHz)	35 dB / 30 dB	40 dB / 37 dB
Analog Output	1.4 V	1.0 V
Antenna Input	75 Ohms F connector	75 Ohms F connector

DAB Tuner	T14	T11
Sensitivity	-80 dBm	-80 dBm
Tuning Range	Band III (174 - 240MHz)	Band III (174 - 240MHz)
Audio Data Rate	224kbps (Max)	224kbps (Max)
Frequency Response	20 - 20kHz, +/- 0.2 dB	20 - 20kHz, +/- 1.0 dB
Analog Output	2.1V at 0 dBFS	2.1V at 0 dBFS
Antenna Input	75 Ohms F connector	75 Ohms F connector

General	T14	T11
Network connection	802.11 b/g/a/n Dual Band Push button set-up (WPS)	
Security	WEP, WPA/WPA2 WPA-PSK/WPA2-PSK	
Power Requirements (AC)		
Europe	230V, 50Hz	230V, 50Hz
USA	120V, 60Hz	120V, 60Hz
Power Consumption	16 watts	10 watts
Standby Power Consumption	< 0.5 watts	< 0.5 watts
Dimensions (W x H x D)	430 x 93 x 334mm 17" x 3 5/8" x 13 1/8"	430 x 73 x 331mm 17" x 2 7/8" x 13"
Front Panel Height	80mm, 3 1/8"	60mm, 2 3/8"
Weight (net)	5.1 kg, 11.3 lb	4.3 kg, 9.5 lb

CD14

Total Harmonic Distortion + Noise	0.002% @ 1kHz
Intermodulation Distortion	0.002% @ 1kHz
Frequency Response (± 0.5 db)	20-20,000Hz
Channel Balance	± 0.5 db
Phase Linearity	± 0.5 degree
Channel Separation	> 115 dB @ 10 kHz
Signal to Noise Ratio ("A" weighting)	> 118 dB
Dynamic Range	> 99 dB
Digital to Analog Converters	Wolfson 24 bit/192kHz DAC
Analog Output Impedance	100 Ohms
Digital Output	0.5 Volt, Peak to Peak
Load Impedance	75 Ohms

General	CD14
Power Requirements (AC)	
Europe	230V, 50Hz
USA	120V, 60Hz
Power Consumption	15 watts
Standby Power Consumption	< 0.5 watts
Dimensions (W x H x D)	430 x 98 x 312mm 17" x 3 7/8" x 12 5/16"
Front Panel Height	80mm, 3 1/8"
Weight (net)	5.9kg, 13 lb

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