

FEATURES

8 The Robocup – Robots Play Soccer

Robots playing soccer? You'd better believe it and there's more than one league to play in – by David Perry

18 Amplifier Testing Without High-Tech Gear

You don't need expensive gear to check out the performance of your hifi amplifier. Here's how to do it for peanuts – by Julian Edgar

38 Fly Rabbit Fly – Right Up To The sky

Yes, rabbits really can fly, especially when strapped into a rocket. But there's no fur, cotton tails or long ears involved here

78 Fluid Lenses – The New Way To Focus

Unique variable-focus optical lens system has no moving parts and could revolutionise digital cameras and security systems

PROJECTS TO BUILD

24 Component Video To RGB Converter

Does your TV have RGB instead of component video inputs? This project lets you get the best possible pictures from your DVD player – by Jim Rowe

58 StarPower: A Switching Supply For Luxeon Star LEDs

It's based on a switching regulator IC, runs of 12V and is just the shot for powering 1-5W Luxeon Star LEDs – by Peter Smith

66 Wireless Parallel Port

Low-cost design uses a 433MHz UHF data link and can be used to control an 8-channel relay board – by Nenad Stojadinovic

80 Poor Man's Metal Locator

It uses just five circuit components, is easy to build and works on the "beat balance" principle for good sensitivity – by Thomas Scarborough

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Nothing succeeds like a good whinge – by the TV Serviceman

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Cataloging & disposing of your collection – by Rodney Champness

