

FEATURES

7 How To Get Into Avionics

Working with aircraft electronics is a fascinating career but how do you get started in it? – by Daniel Field

14 At Last – An Easy Way To Make Pro Panels

One-off panels and labels have been a problem for years. Now a new process makes it easy – by Ross Tester

19 Better Cooling Systems For Car Engines

New thermal management systems will replace traditional radiators and coolant pumps

25 Volvo's Integrated Starter Generator

It pumps power back into a 42V battery when you slow down and promises fuel savings of up to 20%

PROJECTS TO BUILD

26 Automatic Single-Channel Light Dimmer

it's fully automatic, has a host of features and will drive incandescent lamp loads up to 2400W. – by John Clarke

34 Build A Water Level Indicator

Low-cost circuit lights a LED bargraph to indicate the level in a rainwater tank – by Allan March

48 Easy-To-Build Bench Power Supply

it runs from a 9VAC plugpack and offers six fixed dual-polarity DC voltages from $\pm 3V$ to $\pm 15V$ – by Jim Rowe

60 Versatile Multi-Mode Timer

Versatile timer is based on an Atmel microcontroller and has seven different operating modes – by Frank Criveili & Peter Crowcroft

70 6-Channel IR Remote Volume Control, Pt.2

Second article completes the construction – by John Clarke

COMPUTERS

58 Computer Tips

More FAQs on our MP3 Jukebox player – by Peter Smith

SPECIAL COLUMNS

40 Serviceman's Log

Who said servicing was dying? – by the TV Serviceman

78 Vintage Radio

The AWA 719C 7-band console; Pt.2 – by Rodney Champness