

# Features

## 12 Digital Radio Is Coming, Pt.1

Digital radio starts in Adelaide, Brisbane, Melbourne, Perth & Sydney on 1st May, with 71 radio stations on 10 DAB+ transmitters. Here's a rundown on this complex and completely new radio broadcast medium – by Alan Hughes

## 16 Review: LeCroy Waverunner 104Mxi Digital Scope

This high-end 4-channel scope operates under Windows XP and can be operated using either a USB mouse or via its touch screen – by Leo Simpson

## 34 2.4GHz DSS Radio Control Systems

Digital spread spectrum (DSS) radio control systems are revolutionising the model radio control scene. Here's a look at the technology – by Bob Young

# Projects To Build

## 22 Tempmaster Electronic Thermostat Mk.2

Use it to convert a chest-type freezer into an energy-efficient fridge or to convert a fridge into a wine cooler. It can also control 12V fridges & freezers, as well as heaters in hatcheries and fish tanks, plus lots more – by Jim Rowe

## 40 10A Universal Motor Speed Controller, Mk.2

It can be used with power tools & appliances rated up to 10A and is suitable for use with brush-type universal motors as used in small lathes, electric drills, grass trimmers, circular saws, routers, nibblers & jigsaws – by John Clarke

## 62 Programmable Time Delay Flash Trigger

Interested in special effects photography? You can capture some great action shots with this programmable flash delay unit – by Jim Rowe

## 78 Multi-Purpose Car Scrolling Display, Pt.3

Pt.3 this month describes how the unit is connected to a car and how it is used. We also describe the simple command-line program that's used to drive it – by Mauro Grassi

# Special Columns

## 57 Serviceman's Log

Oh Goody! A CRT. Set To Fix – by the TV Serviceman

## 85 Circuit Notebook

(1) Tricks With A 4017 Chaser; (2) Low-Power Analog Computer; (3) Loud Repeater For Traffic Indicators; (4) Semiconductor Evaluator For Scope; (5) Bedside Lamp Controller

## 90 Vintage Radio

The Australian Army Signals Museum – by Rodney Champness