

# Features

## 14 Eye-Fi: Wireless Digital Photography

*Uploading photos from a digital camera to a PC can be a real pain. But what if they just appeared on the PC all by themselves? This wireless device plugs into your camera and automatically does the job for you – by Ross Tester*

## 18 Jamboree On The Air . . . And Now On The Internet

*On October 16-17, up to half a million scouts & guides from around the world will join together via radio and the internet – by Ross Tester*

## 74 Designing & Installing A Hearing Loop For The Deaf, Pt.2

*Second article takes a look at some of the commercial equipment designed specifically for driving hearing loops – by John Clarke*

# Projects To Build

## 24 A High-Quality DAB+/FM Tuner, Pt.1

*This high-performance DAB+/FM stereo tuner design has all the bells and whistles of DAB+. It's built in a sleek pro-quality case with a backlit LCD and all features are accessible by remote control – by Mauro Grassi*

## 36 Digital Controller For Christmas Light Shows

*This amazing controller will bring your Christmas lights to life, making them flash, dim up and down and pulsate in time with your favourite music. It's easy to build and easy to connect – by Nicholas Vinen & Jim Rowe*

## 62 Two Toslink-S/PDIF Audio Converters To Build

*Do you have a DVD player with a Toslink (optical) output but only a coax input on your amplifier? Or do you have the opposite problem? These simple converters are the solution and can also stop hum – by Nicholas Vinen*

## 78 Build A GPS Boat Computer

*This project could be a lifesaver! It tells you where you are, shows your speed and heading and can help you navigate back to your starting point. It can even tell you how much fuel you're using – by Geoff. Graham*

# Special Columns

## 57 Serviceman's Log

*Do-it-yourself servicing for old hifi gear – by the Serviceman*

## 69 Circuit Notebook

*(1) PIC-Based Water Distributor; (2) Auto-Sensing Master/Slave Power Control; (3) PICAXE Supply Uses Supercaps For Backup; (4) USB-Powered Headphone Amplifier; (5) Cat Door Control*

## 90 Vintage Radio

*The Astor DL 4-valve mantel receiver – by Rodney Champness*