

ANTENNAIR 'QUADRANT' DVB-T Modulator



Many sources of video are and will remain essentially analogue in origin. With the advent of Digital Television, the question arises as to how economically to convert these sources into an RF signal which can be received on a DVB TV set, without sacrificing signal quality. The **QUADRANT DVB-T Modulator** neatly solves this problem. By taking PAL or NTSC standard analogue video and audio signals and converting them into a Digital TV UHF Signal – just as if you had tuned in to the BBC - this signal can then be distributed using conventional coaxial Aerial cable within Hotels, Conference Centres, Exhibition halls, and so on, for reception on a DVB TV set or set-top box / TV combination.

TECHNICAL OVERVIEW

1V p-p Video or S-Video Inputs, supports PAL / NTSC standards.

1V RMS Stereo Audio Input

DVB-T Output in UHF Band

Simple Channel Selection using Keypad for easy set-up via menus, shown on LCD panel.

Wide Screen Signaling support.

12 Volt DC power input.

RAPID DEPLOYMENT

Just choose a free TV Channel, select this via the front panel keypad (easy menus shown on LCD screen), set the time and date if required, choose a logical channel number (LCN) for this service, save configuration, and you're ready! Factory default is Channel E50 GMT with LCN set to 27. This means the output will occupy TV RF Ch E50 but you select Channel 27 on the TV! Firmware upgrade via. RS-232 Serial port.

TURNKEY SOLUTIONS

We can help provide a tailored solution to your Digital TV distribution requirements. Please call or email for details, or for more information on any of our products or services please visit us on the Web at: www.antennair.com

DVB-T services are on air in more than 35 countries where more than 70 million receivers have been sold. The most successful markets, with DVB-T receivers readily available for less than EUR 30, include the UK, Germany, France, Spain, Italy and Australia. An example of the potential for DVB-T markets to grow very quickly can be seen in France where, just two years after services were launched, more than 8 million DVB-T receivers were in homes. Each month sees the launch of services in more countries and there are trial broadcasts across the world. The Antennair **QUADRANT** DVB Modulator is compatible with these TV sets.

Functional Specification

- **VIDEO** Input **PAL** 625 Line 50Hz , or **NTSC** 525 Line 60Hz, to Yellow PHONO socket. 1v p-p into 75 Ohms, or by MINI DIN Socket for S-Video standard.
- **STEREO AUDIO** Input to Red & White PHONO sockets, 1V RMS into 10K Ohms. If a Mono Audio source is used, this then feeds both L & R outputs.
- **UHF Output** to 75 Ohm F connector, Channel E21 to E69. **DVB-T standard**, QPSK, QAM16, QAM64 modulation supported. DVB-C to special order.
- **Wide Screen Signaling support.** Auto & Manual modes are selectable. Auto reads any WSS data from Video Input, or you can force 16:9 or 4:3 mode output.
- **Teletext Hardware Upgrade option** - provides WST Standard (Analogue type) 800 Page Teletext insertion; requires DTX8000 Module & CitiEditor™ software. Please contact us for availability and pricing.



KEY FEATURES

- Designed and built in the EU
- Easy Installation and Setup
- Battery Backed Clock circuit
- Teletext upgrade card option, compatible with CitiEditor™
- Teletext page editor by Citifax.
- Uses 12V 1A DC Adaptor
- ETSI EN 300 744 compliant
- Digital Quality Picture & Sound
- CE Approved, robust design.
- Compact ~ 55 x 120 x 165mm
- 4 Years 'No Quibble' Warranty

Antennair Limited
Neo House, Shaw Road,
OLDHAM OL1 4AW
United Kingdom
Tel. +44/0 161 633 2148
info@antennair.com