

Digital TV Through Your Aerial

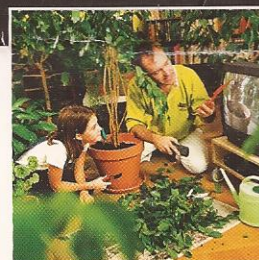


MEDIAMASTER 9850 T

NOKIA
CONNECTING PEOPLE

Digital TV Through Your Aerial

Mediamaster 9850 T



Difference between analogue and digital signal



Analogue signals broadcast as a series of "waves" with each channel occupying its own "bandwidth".



Digital signals broadcast as a series of "compressed bits" using less capacity, therefore allowing more channels.

What is digital television?

Just as CDs transformed our world of music, digital television is revolutionising the viewing patterns of every household in the country. More channels, crystal clear pictures, far superior sound quality, fantastic teletext services and in time, interactive features, such as surfing the Internet.

Digital TV will eventually replace the current analogue method of transmitting television, but in the meantime, all analogue services are being replicated on digital services.

Digital TV, through your aerial

Nokia's Mediamaster 9850 T has been designed especially for ONdigital's broad range of digital terrestrial programming. It's simple to use: just plug it into your existing TV and a suitable aerial, in most cases your current aerial will be perfectly acceptable.

You will then have access to all the terrestrial channels you currently enjoy - BBC, ITV, Channels 4 and 5, as well as a host of new free channels such as BBC News24, BBC Choice and ITV2.

And the receiver's portable - you can plug your Mediamaster into any TV in the house, or caravan!

BBC ONE

UK GOLD



4

itv

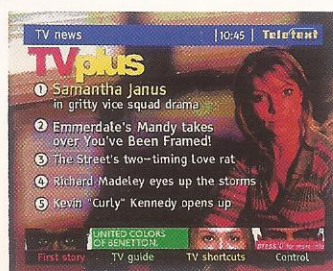
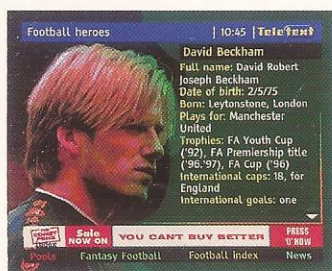
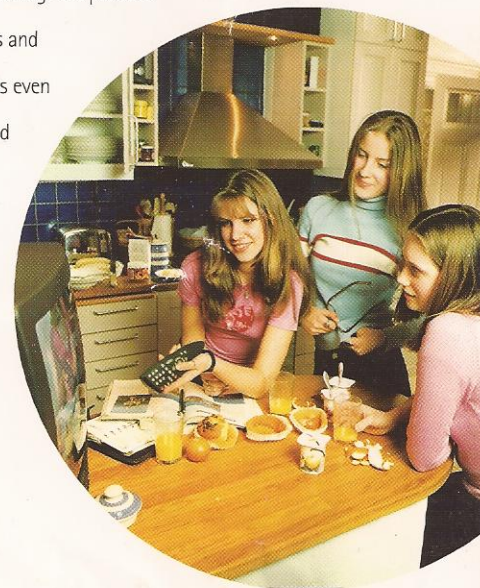
For the first time ever, Digital Teletext will have its very own dedicated channel. Full colour pictures and Web-style graphics make Digital Teletext easier to read – and fun to use. All the key sections will be available – TV listings, sport, news, weather and holidays. Gone will be the days of 'lego brick' type graphics and only 8 colours – with new computer-like displays using 256 colours, different types and sizes of lettering, characters and even photographs and video clips.

Nokia Mediamaster

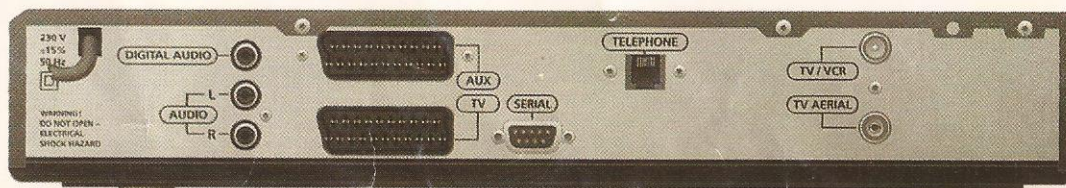
The new generation of Nokia Mediamasters features a pure design, which blends perfectly with your home environment. Nokia products are well known for their excellent designs and high degree of functionality, and they continually receive the highest marks in international product test comparisons. In fact Nokia has won more awards than any other set-top box manufacturer.

The Mediamaster 9850 T provides all the features to comply with ONdigital's specification and those of other UK digital terrestrial operators. This includes full MPEG-2 support, pan & scan and letterbox video formats, sophisticated audio options and serial data interface for software upgrading. The product features high resolution graphics with 256 colours and environmentally friendly green stand-by. Nokia has even created a new ergonomic remote control, designed especially for both left- and right-handed users.

The Nokia Mediamaster 9850 T is ready for pay-per-view and interactive services. It features a Common Interface connector as well as a built-in modem, and is fully DVB compliant.



Technical overview Mediamaster 9850 T



System capabilities

Fully DVB compliant.

Demodulator

Waveform COFDM

Modes supported 2 k

Video decoder

MPEG-2 Main Profile @ Main level

Data rates up to 15 Mbits/s

Video formats 4:3, 16:9

Pan Et Scan, Letterbox

Audio decoder

MPEG-2 layer I & II

Mono, Dual channel, Stereo, Joint Stereo

Application system resources

Processor 32bit RISC

RAM memory 4 Mbyte

SDRAM 4 Mbyte
(for video/graphics)

Flash memory 4 Mbyte

Graphics display 720 x 576

Colours 256

Tuner input

Connector IEC female

Input frequency 470-862 MHz

Band width 8 MHz

RF Loop through output

Connector IEC male

Frequency range 47- 862 MHz

RF modulator

PAL I

Channels 21-69

TV scart

RGB, CVBS, Audio

AUX scart

RGB, CVBS, Audio

HiFi Quality Audio output

Connector 2 x RCA/Cinch (L/R)

Return channel

Connector 6-pin modular jack

Protocol V32 bis

Serial data interface

Connector 9-pin D-sub

Signals RS232

Digital Audio output (SPDIF)

Connector 1 x RCA (Cinch)

Remote control

Type RC 4661

Operating distance 10 m

Batteries 2 x 1.5V(AAA)

Conditional Access

Mediaguard with Smart Card reader.

A Common Interface connector is also provided.

General data

Colour black

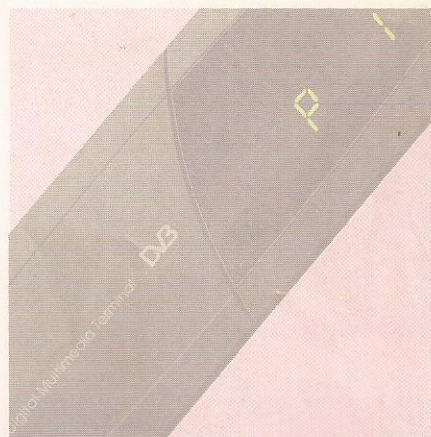
Operating temp +5°C to + 45°C

Supply voltage 230 V AC +- 15%
50-60 Hz

Power consumption max 40 W
(stand-by 5 W)

Weight 1.9 kg

Dimensions (wxdxh) 380 x 240 x 62 mm



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on digital

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