

ADB-3800/10T

Interactive, high definition
digital terrestrial
set-top box



Key features

Advanced single chip
processor

Supports MPEG-2 and MPEG-
4/H.264 reception

HDMI™ interface with HDCP
copy protection

Multimedia Home Platform
middleware

The ADB-3800/10T is an advanced, feature-rich set-top box designed specifically for digital terrestrial television operators. The product is ready for high definition (HD) television and is fitted with a High Definition Multimedia Interface™ (HDMI™) to ensure high quality transfer of sound and images to a HD-ready TV.

The product has a single smart card slot and is compatible with multiple, conditional access systems to ensure that it can operate in markets where there are a number of alternative pay TV content suppliers. It has an advanced, single chip microprocessor providing performance enhancements such as fast-channel change and swifter rendering of applications, including the Electronic Programme Guide. The unit is compatible with standard definition (SD) and HD television transmissions incorporating MPEG-2, MPEG4/H.264 decoding.

The product is integrated with the latest Multimedia Home Platform (MHP) open standards software and is also compatible with the industry's leading middleware systems. The advanced, on-screen navigation of the ADB-3800/10T provides a simple and intuitive user interface and a dedicated remote control unit allows complete control of channel selection.

This advanced product includes interactive multimedia applications including photo editor, MP3 download and play-back, calendar, calculator and games.

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HDMI[™]
HIGH DEFINITION MULTIMEDIA INTERFACE

Technical specifications

TV Reception

- ▲ DVB digital terrestrial
- ▲ RF pass-thru for analogue channels

System Resources

- ▲ FLASH memory: Up to 64MB
- ▲ RAM memory: Up to 256MB

Software

- ▲ DVB MHP 1.1
- ▲ Loader for Over-The-Air software upgrade
- ▲ Automatic channel installation via scanning
- ▲ Advanced Graphical User Interface
- ▲ PhotoAlbum, MP3 Player
- ▲ Calculator, Calendar, Notepad
- ▲ Picture in Picture functionality
- ▲ Games
- ▲ Advanced EPG

Security

- ▲ HDCP on HDMI output
- ▲ Advanced Security in the CPU
- ▲ Selection of embedded Conditional Access
- ▲ Macrovision on SD output

Video

- ▲ MPEG-1 (SD)
- ▲ MPEG-2 MP@ML (SD) and MP@HL (HD)
- ▲ MPEG-4 p.10 (H.264) MP@L3 (SD) and MP@L4.1 (HD)

- ▲ Video format: 4:3, 16:9 with Pan Scan, Letterbox
- ▲ Up-scaling of SD video on HD output
- ▲ Downscaling HD video on SD output
- ▲ Supported resolutions: 1080i, 720p, 480p/576p, 480i/576i
- ▲ 32-bit color for OSD graphics and external applications

Audio

- ▲ MPEG-1 Layers I, II, III (MP3)
- ▲ MPEG-2 Layer 2
- ▲ MPEG-2 AAC LC and AAC+
- ▲ MPEG-4 AAC LC 2-channel/5.1 channel, MPEG-4 AAC+SBR 2-channel/5.1 channel
- ▲ Mono, Dual Mono, Stereo, Joint Stereo
- ▲ Dolby Digital pass-through to external decoder
- ▲ Dolby Digital Down-mix (option)

Return channel

- ▲ 10/100BaseT Ethernet interface
- ▲ V.92 modem (option)

Front Panel

- ▲ Up to 2 x Smartcard slot
- ▲ DVB-Common Interface (option)
- ▲ 8 navigation keys
- ▲ Front Panel Display
- ▲ USB2.0 (option)

Back Panel

- ▲ RF input
- ▲ Loop-thru output with optional RF modulator
- ▲ HDMI[™] with HDCP
- ▲ S-Video output (option)
- ▲ TV SCART or YPbPr High Definition output with 3 x RCA (video + audio stereo) output
- ▲ VCR SCART
- ▲ 2 x RCA (audio stereo) output
- ▲ Digital S/PDIF optical audio output
- ▲ Ethernet port
- ▲ Up to 2 x USB 2.0
- ▲ Power input

Accessories

- ▲ Remote control
- ▲ Audio/Video cables
- ▲ Batteries
- ▲ Power Supply Unit
- ▲ Getting started User Manual

General Data

- ▲ Operating temperature range +5 to +40(°C)
- ▲ AC input voltage: 90 - 264 V, 50/60 Hz
- ▲ Weight: 1.4 kg
- ▲ Dimensions with feet and connectors (WxDxH): 290 x 210 x 55mm
- ▲ EU norms compliance, CE marking

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