



# amino

## aminet A540 PVR

## IPTV/OTT STB

THE A540 PVR DELIVERS THE NEXT GENERATION OF HIGH DEFINITION STB PERFORMANCE

**The A540 PVR uses the latest generation system-on-chip processor, whilst offering additional features with its on-board Personal Video Recording (PVR).**

The A540 PVR offers a range of compelling benefits:

### Over-the-top (OTT) content

OTT allows viewers to combine traditional programming with popular user generated content websites via the open Internet and gives operators greater value to their deployments. Amino are able to offer OTT features to their range of STBs which includes HTML5 audio and video tags that bring support of the H.264 codec in .flv and .mp4 file formats. Adaptive streaming technology is also available with HTTP live streaming support. As the requirements for OTT continue to develop please contact Amino for details of future additions to the OTT capability.

### High definition

The A540 PVR can decode resolutions up to 1080i 60Hz but is also able to de-interlace content and display it progressively - such as de-interlacing 1080i to 1080p - to deliver the picture quality your customers expect on their high-end LCD and plasma TVs.

### Advanced Codec Support

This provides operators with the opportunity to grow revenue generating services, while maximising the efficient use of network bandwidth, creating the ability to:

- Reach a greater number of subscribers
- Increase the number of interactive and multicast channels
- Enhance viewing experience with HD channels.

### Personal Video Recording (PVR)

The integral hard disk drive brings time shift recording of multiple channels, pause live TV and push Video-on-Demand (VoD) features to telco TV services. When combined with suitable middleware, the A540 PVR also supports multi-room PVR capability, significantly increasing the revenue opportunities per installation.

### Extensive ecosystem support

The A540 PVR is supported by an extensive ecosystem of middleware, browser, conditional access and DRM options required for the widely varying configurations of the IPTV market.

### Comprehensive design tools and support

Amino software technology is based on open standards such as Linux and HTML. Application developers for the A540 PVR benefit from the Amino JMACX system which enables full control of the STB functions from the browser. JMACX provides the service operator with a powerful set of HTML and JavaScript extensions which allow simple and highly effective user interface designs to be created or ported. For increased flexibility in creating custom applications ADKs and SDKs are also available.

To find out more about the A140 please contact an Amino representative by emailing [info@aminocom.com](mailto:info@aminocom.com)

SPECIFICATION

<b>SIZE AND WEIGHT</b>	172mm x 180mm x 48mm. 700g (excluding accessories and packaging)
<b>INPUTS</b>	Ethernet 10/100 BaseT via RJ-45 shielded connector
<b>OUTPUTS</b>	HDMI 1.3a (excl. Deep colour and DTS audio) with HDCP. 10-way Mini-DIN for Composite video, Component (YPrPb), RGB, S-Video and analogue audio.S/PDIF (optical). USB2.0. RF Modulator
<b>POWER</b>	5V DC at 3A via external power supply Less than 12W typical usage (external supply input voltage 100-240V AC 50-60Hz, 0.8A max. Output 5V DC 3A)
<b>HDD</b>	250GByte
<b>CODECS</b>	MPEG-2 MP@HL. MPEG-4 pt10 AVC/H.264 HP@L4
<b>VIDEO RESOLUTIONS</b>	Decodes up to 720p and 1080i. Displays up to 1080p
<b>GRAPHICS RESOLUTIONS</b>	HD graphics up to 1280x720
<b>AUDIO</b>	Analogue stereo audio out. Stereo and Dolby 5.1 surround via S-PDIF and HDMI. Dolby Digital+ pass through to external decoder
<b>SECURITY</b>	Wide selection of DRM and Conditional Access support. HDCP on HDMI. Macrovision on SD outputs (optional), CGMS-A 128MB Flash, 256MB RAM
<b>MEMORY</b>	
<b>FRONT PANEL LEDS</b>	Dual colour standby (Red) & power on (Green) flashes for IR received command received, record (Red), playback (Green)
<b>OPERATING ENVIRONMENT</b>	ETS 300-019-1-3 Class 3.1
<b>EMC CONFORMANCE</b>	FCC Part 15 class B. 2004/108/EC EN55022
<b>SAFETY APPROVALS</b>	CAN/ CSA-C22.2 No. 60950-1-03. EN60950
<b>ROHS</b>	2002-95-EC
<b>WEEE</b>	2002-96-EC
<b>OPERATING TEMPERATURE</b>	0°C (32°F) to 40°C (104°F)
<b>STORAGE HUMIDITY</b>	5% to 95% RH (non-condensing)

**ACCESSORIES**

Remote control (510-710)	Standard
Power supply & regional power cord	Standard
IR keyboard (502-455)	Optional
HDMI cable (510-885)	Optional
SCART cable (502-418)	Optional
Component (YPrPb or RGB) cable (502-419)	Optional
S-VHS & Composite (CVBS) cable (502-594)	Optional

For any more information on available accessories, please see the Amino accessories brochure



POWERED BY **aminet**  
INDUSTRY LEADING SOFTWARE

**About Amino Communications**

Amino Communications is a leading global IPTV and OTT digital TV innovator, enabling major network operators and service providers to connect their customers to the entertainment experiences they love. Amino combines iconic products, industry-leading software, deep specialist IP technology expertise and partnerships with the foremost ecosystem partners to deliver award-winning solutions to over 850 customers in 85 countries. Founded in 1997 and headquartered in Cambridge, Amino has offices in the US, China and Sweden, and is listed on the London Stock Exchange Alternative Investment Market (AIM symbol: AMO).

**About Aminet**

Aminet is Amino's core software solution and is at the heart of every set-top box we make – from the award-winning A110 to the latest next generation IPTV devices. Trusted by network operators to enable leading edge entertainment experiences, the aminet solution has built a reputation for ultra-reliability, robustness and flexibility delivering thousands of deployments across a wide range of network conditions and ecosystems worldwide. With over three and a half million aminet-driven set-top boxes deployed, Amino continues to innovate – adding exciting new OTT features to provide an even richer and more compelling entertainment experience.

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