



UDP-89 PROFESSIONAL UNIVERSAL DVD/CD PLAYER

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UDP-89 KEY FEATURES

- Fully professional, multi-format disc player
- Plays CD, Video CD, SACD, DVD-Video, and DVD-Audio
- Plays mp3 and MPEG4 .avi files
- Audiophile sound quality
- Broadcast-quality video performance
- Built-in preamp with volume control for direct connection to active 5.1 speaker systems
- Dolby™ Digital and DTS decoding
- MPEG audio decoding
- Composite, S-Video, Component, RGB and HDMI video outputs
- Balanced analog audio outputs: L/R via XLR; L/R and 6 channel surround via 25-pin D-type
- Unbalanced analog audio outputs: L/R plus discrete 6 channel surround via RCA/phonos
- AES/EBU and S/PDIF (coax and optical) digital audio and bitstream outputs
- Full 24-bit/192kHz Wolfson DACs for uncompromised audio performance
- 14-bit 165MHz video DACs
- Rugged build quality for dependable use in demanding professional applications
- Professional cueing function
- RS232 and parallel remote control
- HD JPEG viewer
- Infra-red remote control (supplied)
- Volume controllable via remote
- 1U rack mounting chassis

THE ULTIMATE UNIVERSAL DVD/CD PLAYER

DVD playback is an ever expanding requirement in virtually every type of AV installation, from broadcast facilities and boardroom presentations to public information displays and entertainment systems.

The HHB UDP-89 is designed to provide the system integrator with a highly robust, flexible and professionally specified alternative to the consumer players that have previously been pressed into service.

The UDP-89 is a universal DVD/CD player that delivers broadcast-quality video and audio playback and has a host of professional interfacing features that make it ideal for use in a wide variety of mobile and fixed installations.

IF IT'S ON A DISC, CHANCES ARE THE UDP-89 WILL PLAY IT

By making the UDP-89 compatible with a huge array of disc and file formats, HHB has effectively removed the limitations imposed by conventional devices to produce a truly universal player. CD, CD-R, CD-RW, Video CD, SACD, DVD-Video, DVD-Audio, DVD-R, DVD+R, DVD-RW and DVD+RW are all supported, and mp3 audio and MPEG4 .avi video files can also be played.

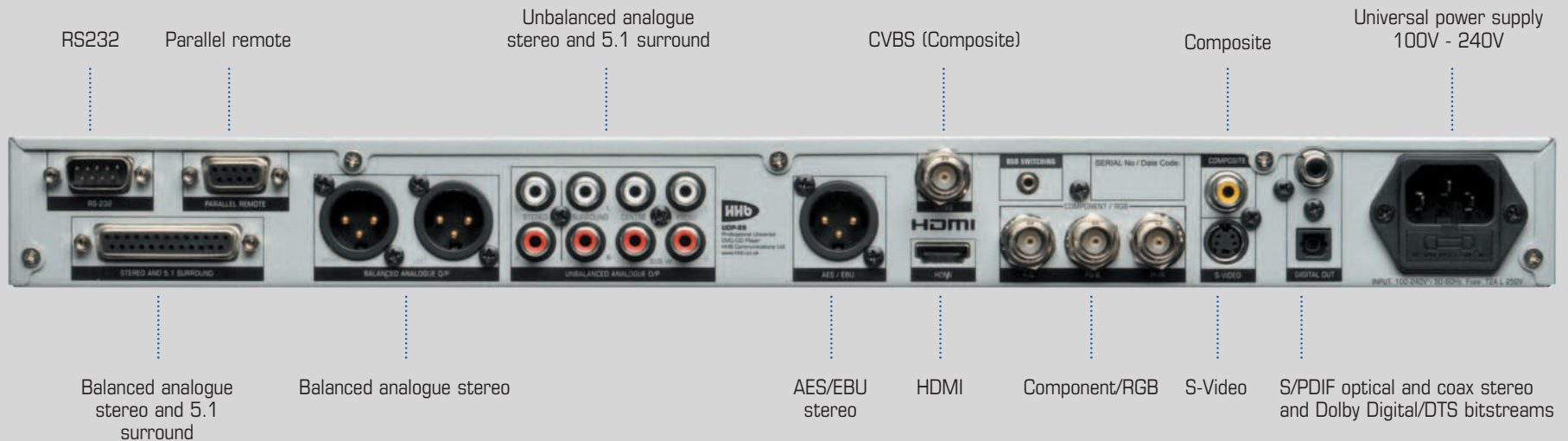
UNCOMPROMISED DESIGN FOR REFERENCE AUDIO AND VIDEO PERFORMANCE

The UDP-89 delivers the ultimate in DVD video quality via its digital HDMI output, six 14-bit 165MHz video DACs providing progressive scan 480p/576p, plus upscaling to 720p and 1080i (available from both HDMI and component outputs). Unlike the majority of DVD players in which audio is so often the poor partner, the

UDP-89 OUTPUTS

Video/graphics - five outputs: Composite, CVBS, S-Video, HDMI, Component/RGB
Stereo audio - seven outputs: Balanced x 2, Unbalanced x 2, AES/EBU, S/PDIF optical, S/PDIF coax

Surround 5.1 audio - two outputs: Balanced and Unbalanced
Dolby Digital/DTS encoded surround - two outputs: S/PDIF optical and coax



UDP-89 features Wolfson 24-bit/192kHz audio DACs and high-end analogue circuitry for audiophile performance. And the UDP-89 is the only DVD player available with stereo and 5.1 balanced audio outputs to get the very best from high-resolution SACD and DVD-Audio formats.

TOUGH, PROFESSIONAL BUILD QUALITY

Definitely not based on a consumer device, the UDP-89 is designed and built from the ground up for demanding professional use. The rugged, rack-mounting chassis houses a pro-grade disc drive comprising of a durable disc loader with a smooth, positive action, and a high-performance laser assembly, extensively tested for dependable, long-term use.

COMPREHENSIVE FEATURE SET

A complete set of professional audio and video outputs (see above) and a full complement of professional features equip the UDP-89 for use in almost any audio or video disc playing application. The A-B repeat mode makes the UDP-89 ideal for use in fixed installations, while professional cueing functions, RS232 control and a parallel fader start interface are essential features that make it ideal for any playout application.

ON-BOARD AUDIO PREAMP

The inclusion of a multichannel preamplifier makes it possible to connect the UDP-89 directly to an active 5.1 speaker system, with versatility and convenience enhanced yet further by the inclusion of a volume control which can also be controlled remotely via RS232 or the supplied infra-red remote control.

And wherever space is at a premium, users will appreciate that the UDP-89 can be securely mounted in just 1U of rack space.



UDP-89 TECHNICAL DATA



Video Output Formats

Composite Video S-Video

Component Video

Audio Performance

Frequency Response

S/N Ratio

THD+N

Channel Separation

Max output level (0dBFS)

Output Impedance

Headphone Output

Digital Output

Remote Control

General

Display Languages

Power Supply

Power Consumption

Weight (Ex Packaging)

Dimensions

Height

Depth incl. connectors

Width

Supplied Accessories

PAL: 1080i, 720p, 576p, 576i
NTSC: 1080i, 720p, 480p, 480i
1V p-p, 75Ω
Y: 1V p-p, 75Ω
C: 0.3V p-p, 75Ω (Europe)
C: 0.286V p-p, 75Ω (USA)
Y: 1V p-p, 75Ω
Pb: 0.7V p-p, 75Ω
Pr: 0.7V p-p, 75Ω

10Hz-20kHz ±0.5dB

100dB

0.005%

>90dB

22dBu (XLR)

8dBV (RCA/Phono)

<50Ω

1/4" stereo jack

AES/EBU 110Ω XLR

S/PDIF RCA/Phono coaxial

0.5V p-p, 75Ω

S/PDIF Toslink optical

Infra-red

RS232

9-pin opto-isolated parallel

English, French, Spanish

German, Italian

100-240V 50/60Hz

25W

4.3kg/9.4lbs

44mm (1.75 inches)

343mm (13.5 inches)

482mm (19 inches)

RC89 Remote control

2 x AAA batteries

Power cord

Operating instructions

UDP-89 APPLICATIONS

- Broadcast facilities
- Theatres
- Houses of worship
- Visitor attractions
- Custom A/V installations
- Leisure centres
- Night clubs
- Entertainment systems
- Sports stadia
- Boardrooms
- Home theatre
- Information systems
- Retail systems
- Screening rooms
- Exhibitions

HHB Communications Ltd

73-75 Scrubs Lane, London NW10 6QU, UK T +44 (0)20 8962 5000 E sales@hhb.co.uk W www.hhb.co.uk

In the USA, Central & South America: Sennheiser Electronic Corporation

T 860 434 9190 E HHB-Sales@sennheiserusa.com W www.sennheiserusa.com

In Canada: HHB Communications Canada Ltd

T 416 867 9000 E sales@hhbcanada.com W www.hhbcanada.com

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