

Pace BSKyB3100 Digital Satellite Set-top Box

TECHNICAL SPECIFICATION



2nd Generation

The BSKyB3100 is a feature enhanced second generation personal video recorder (PVR) currently deployed by BskyB in the UK with refreshed aesthetics and improved usability.

Performance

- A 166MHz main processor improves application performance and user interface response
- 40Gbyte hard disk drive (possible option to upgrade HDD capacity)
- High speed data port for future connectivity upgrades
- Dolby AC-3 Downmix (Digital Optical Audio Output)
- Improved RCU with VCR style functionality

PVR Features

Twin Tuners – The BSKyB3100's twin digital tuners allow the user to:

- Watch one digital channel whilst recording another
- Watch live or recorded programmes on second TV in the home
- Instantly rewind live TV
- Pause live TV – Pause a live programme
- Archive favourite programmes on to VCR
- Record two digital channels simultaneously (Dual Record)
- Series link facility

The BSKyB3100's Time Shift and Video Recorder functionality allows the user to:

- Store a minimum of 20 hours programming (bitrate dependant) with no loss in picture quality
- Use VCR style facilities (FF/RWD/STOP/Pause)
- Smoothly accelerate from pause to fast forward

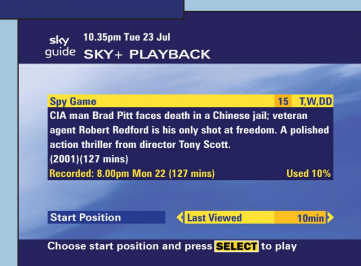
Security

Supports the NDS Conditional Access system together with XTV for total security of hard disk drive.

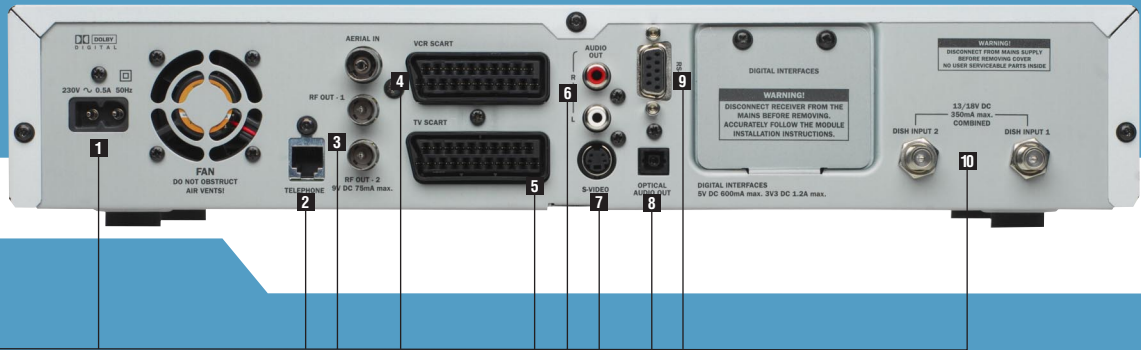
Software

Includes a number of additional features such as:

- Links recordings to BSKYB Electronic Programme Guide (EPG) for ease of recording and retrieving from the disc
- DiseqC1.2 for full control of LNB
- Software upgrade over air
- Live Pause/Time Shift/Catch Up feature
- Circular green playback front panel display
- Instant Rewind feature
- Favourite Channels feature
- Teletext
- DVB Subtitles



>> **BSkyB3100**
Digital Satellite
Set-top Box



- 1 AC Input** - From mains power supply
- 2 Telephone line Connector RJ11**
- 3 UHF Modulator** - For connection to main TV and optional connection to second TV
- 4 TV A/V SCART** - Provides either composite or RGB and composite video output. Audio volume can also be controlled in software
- 5 VCR A/V SCART** - VCR Scart for connection to Video Recorder
- 6 Analogue Audio Outputs** - An important addition for users wishing to integrate the set-top box into their home audio system. Volume can be adjusted or muted under software control
- 7 S-Video Connector** - For high quality connection to plasma monitors or VHS Recorders
- 8 SP-DIF** - For connection to home Dolby Digital amplifier
- 9 RS232** - Serial port connector for service and factory use only
- 10 RF Input** - Twin IF inputs to connect to dual LNB at dish

GENERAL SPECIFICATION

HARDWARE

Two 950MHz-2150MHz tuners with dual LNB control
 Internal hard disk drive (40Gbytes)
 Main Processor running at 166MHz
 MPEG-2 video and audio decoder
 Dolby Digital 5.1 mixdown processing and Digital audio Output
 Bank Card Support
 Internal V90 modem for high-speed data connection and return path
 2nd RF connector enabling full IR control from second TV location with remote 'eye' TV Link accessory
 Twin High Speed Data Ports – for future applications
 Enhanced front panel and remote control including keys dedicated to time-shift video playback-Pause/play/stop/record/FF/RW

MEMORY CONFIGURATION

Two banks of 4Mbyte Flash for secure background download
 40Mbytes SDRAM memory (expandable to 128Mbyte)
 8Mbyte disk cache – part of unified structure
 32Kbytes E2PROM

CONDITIONAL ACCESS

Integral Conditional Access Circuitry with Smart Card Reader and NDS decryption support

CONNECTIVITY

Signal Input 2 x F-type IEC 60169-24 female connector
 TV SCART Peritelevision IEC 60807-9
 VCR SCART Peritelevision IEC 60807-9
 Audio Left RCA phono (white)
 Audio Right RCA phono (red)
 SP-DIF Optical
 S-Video Connector
 Conditional Access: ISO/IEC 7816 Smart Card Reader supporting embedded DVB CSA as specified in ETR 289 [13]

POWER

Power Consumption 28W typically
 Mains supply voltage 120V-240, 50-60Hz

MECHANICAL

Dimensions: 380mm x 72mm x 243mm

For more information on the Pace BskyB3100 or any other Pace products you can visit our website www.pace.co.uk/paceproducts/index.asp



Pace Micro Technology plc

Victoria Road Saltaire Shipley West Yorkshire BD18 3LF England

Tel: +44 (0) 1274 532000 Fax: +44 (0) 1274 532010

www.pace.tv

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