Portable MP3-CD player

EXP2301

Enjoy skip-free MP3 music

For the fun and only you! Enjoy 10 hours of MP3-CD playback on the easy-to-use EXP2301 with no interruption thanks to 100-second Magic ESP™. Unique 4-mode Equalizer lets you enjoy your favorite music styles in optimum sound.

Plays your CDs and MP3-CDs
- Enjoy over 10 hours of music on one MP3-CD
- Plays CD, CD-R and CD-RW discs

Jogproof
- 100-second Magic Electronic Skip Protection™

Enhanced bass performance
- 4-Mode Equalizer







PHILIPS

Portable MP3-CD player

EXP2301/00

Technical specifications

Sound
- Output power (RMS): 2 x 4 mW
- D/A convertor: 1-bit
- Sound enhancement technology:
  4-Mode Equalizer (Bass, Pop, Jazz, Normal)
- Volume control: Rotary
- Signal to noise ratio: >85 dB
- Frequency response: 20 Hz-20 KHz
- Audible feedback

Audio Playback
- Disc playback media:
  CD
  CD-R
  CD-RW
  MP3-CD
- MP3 bitrates: 32-320 kbps
- MP3-CD Playback Enhancement:
  Support ISO-9660 and Jolliet format
  Variable bit rate per track
- Disc playback mode:
  64-Track Programmable
  Next/Previous Album Search
  Next/Previous Track Search
  Fast Forward/Backward
  Repeat one/album/all
  Shuffle album/all
  Scan
  Hold
- Electronic Skip Protection (CD): 40 seconds
- Magic ESP (MP3-CD):
  100 Seconds at 128 Kbps

Connectivity
- Headphone: 3.5 mm
- Line out: 3.5 mm
- DC in: 4.0 mm, 4.5 v, centre '+'

Convenience
- Heat resistand body
- Display type: LCD
- Lines of text: 2 lines
- Indications:
  CD functions
  Album number
  Track
  Time
  EQ
  ESP
  Volume
  Battery status

Accessories
- Headphones: Stereo headphones (HE035)
- Adaptor: AC/DC adapter (AY3162)
- By-pack accessories: User manual

Dimensions
- Master carton dimensions (WxHxD):
  156 x 253 x 304 mm
- Master carton quantity: 6
- Master carton weight: 4.2 kg
- Packaging dimensions (WxHxD):
  140 x 49 x 245 mm
- Packaging type: D-box
- Product dimension (WxHxD):
  138 x 28 x 130 mm
- Product weight: 0.2 kg
- Weight incl packaging: 0.65 kg

Power
- Batteries type: AA/LR6/UM3 cell
- Battery playing time (MP3): 28 hours (2 x AA alkaline batteries, Power Saving mode)
- Battery playing time (CD): 18 hours (2 x AA alkaline batteries, Power Saving mode)

Product highlights

MP3-CD Playback

The MP3-CD format combines the advantages of MP3 digital audio compression with the affordable and widely accepted CD storage format. The end result is that a tiny 8cm MP3-CD can hold over 3 hours of MP3 music, while a normal 12cm disc can hold over 10 hours. Using readily available software, you can rip music from your audio CDs or download MP3 music legally from the internet and burn it to a recordable or rewritable 12cm or 8cm CD. The resulting MP3-CD can be played back as though it were a normal audio CD.

Magic ESP™

Magic Electronic Skip Protection™ ensures skip-free music even when your MP3-CD player is knocked or jolted. Devices with the feature have an intelligent electronic buffer that can store different music formats such as MP3, WMA and CDDA. During playback, music is constantly fed into the buffer. When the device is jolted, music is played from the buffer while the laser promptly refocuses to the point where the shock occurred, and recommences playing to refill the buffer. Magic Electronic Skip Protection™ can offer long skip protection depending on the bit rate of the digital audio file.

4-Mode Equalizer

Equalizer allows you to select preset modes that optimize certain frequency bands to enhance specific music styles. Players with Equalizer, utilize graphic equalizing technology to automatically set the optimum sound frequency balance for a chosen music style. The Equalizer allows you to enjoy the optimum sound depending on the music style.

Printed in Hong Kong 2004-07-23
Specifications are subject to change without notice
2004 © Royal Philips Electronics - All rights reserved
www.philips.com