

Philips
DVD/SACD home theater
system



LX8300SA

Total immersion in movies and music

Multi-channel Super Audio CD

Harmony and balance is the need. Quality design with attention to details are the enablers. Simply the pureness of sound and picture that envelops the pleasurable experience...

Pure multi-channel sound

- Multi-channel Super Audio CD for total music immersion
- Neodymium Ribbon Tweeters for crystal clear sound
- CD Upsampling increases resolution for superb CD sound
- Cinema Center Speaker™ for realism cinematic experience

Superb video performance

- Progressive Scan component video for optimized image quality
- 4x video upsampling for improved image quality

Plays practically any disc format

- Movies: DVD, DVD+R/RW, DVD-R/RW, (S)VCD, DivX
- Music: SACD, CD, MP3-CD, CD-R and CD-RW
- Picture CD (JPEG) with music (MP3) playback

PHILIPS

Highlights

Multi-channel Super Audio CD

Multi-channel SACD is a new generation music format that offers ultra high quality music reproduction. With a 5.1 multi-channel surround sound and full CD compatibility both forward and backward, what results is unsurpassed audio performance for your listening pleasure.

Neodymium Ribbon Tweeters

Enjoy unparalleled, natural and crystal-clear sound quality with Omni-directional Neodymium Ribbon Tweeter. Dipoles that radiate high frequency sounds in a full 360-degree pattern results in a very 'open' wide sound spectrum that delivers crisp clarity and high-pitched detail in the higher tones. This further enhances the surround experience in a multi-channel system and is especially noticed when listening to Super Audio CD sound where the clarity in music is excellent.

CD Upsampling

CD Upsampling is an advanced sound processing technology that intelligently upgrades the audio of standard CDs by increasing time resolution and sampling rate for an improved audio experience.

Cinema Center Speaker™

Recreate and experience realism cinematic experience right in your environment with Cinema Center Speaker™. With a wider sweet spot delivered by four multi-directional woofers and a high frequency tweeter positioned precisely at different angles, more sound depths are distinguished from front and background and action from dialogue. Natural and crystal clear sound reproduction are created through the revolutionary new 5.1 cm (2") full range woofers to give an incredible 'through the screen' experience which creates the sensation of being not just in the cinema but in the movie itself.

Progressive Scan

Progressive Scan doubles the vertical resolution of the image resulting in a noticeably sharper picture. Instead of sending a field comprising the odd lines to the screen first, followed by the field with the even lines, both fields are written at one time. A full image is created instantaneously, using the maximum resolution. At such a speed, your eye perceives a sharper picture with no line structure.

Video Upsampling

Video Upsampling is a technology that decreases distortion to dramatically improve

picture quality. Increasing the video processing to 54MHz or even 108MHz, is in effect converting the video to 8:8:8* (54MHz) or 16:16:16 (108MHz) format which has about 4 to 8 time more horizontal resolution bandwidth than in standard DVD format. This processing reduces the MPEG "mosquito net" distortion dramatically resulting in picture quality that is pure and distortion free.

Multi-format Movies with DivX

Multi-format playability allows you to play most disc formats for maximum disc compatibility and viewing pleasure.

Multi-format Music with SACD

Multi-format playability allows you to play most disc formats for maximum disc compatibility and listening pleasure

Picture CD with MP3 Playback

Picture CD is a CD-R or CD-RW disc on which you can store your MP3 and digital pictures. When inserting a Picture CD in the DVD player, a screen menu will pop up, showing your JPEG's and/or MP3 files on the disc. Just select the music and pictures files you wish to enjoy and press play or OK. You can watch your pictures on TV with your music playing simultaneously.



Specifications

Picture/Display

- Aspect ratio: 4:3, 16:9
- D/A converter: 12 bit, 108 MHz

Sound

- D/A converter: 24 bit, 192 kHz
- Frequency response: 30-48000 Hz
- Signal to noise ratio: >95 dB
- Sound Enhancement: Treble and Bass Control
- Sound System: Dolby Digital (AC-3), Dolby Prologic II, DTS
- Output power (RMS): 5 x 50 + 150 W
- Total Sound Power (RMS): 400 W

Loudspeakers

- Satellite Speaker: Magnetically shielded front
- Satellite speaker freq range: 120-50000 Hz
- Satellite speaker impedance: 12 ohm
- Satellite speaker drivers: 3" ribbon tweeter, 3" mid range woofer
- Center Speaker: 2 way, Cinema Center speaker, Magnetically shielded
- Center freq range: 120-30000 Hz
- Center speaker impedance: 12 ohm
- Center speaker drivers: 1.75" tweeter, 4x 2" mid range woofers
- Subwoofer freq range: 30-120 Hz
- Subwoofer impedance: 4 ohm
- Subwoofer driver: 6.5" high efficiency woofer

Video Playback

- Compression formats: Divx 3.11, Divx 4, Divx 5, MPEG1, MPEG2, MPEG4
- Playback Media: DVD+RW, DVD+R, DVD-RW (Video mode), DVD-R, DVD-Video, SVCD, Video CD
- Disc Playback Modes: A-B Repeat, Repeat
- Loader Type: Tray
- Number of Discs: 1
- Video disc playback system: NTSC, PAL
- Video Enhancement: Progressive Scan

Audio Playback

- Compression format: MP3, PCM
- Playback Media: CD, CD-R, CD-RW, MP3-CD, SACD Multichannel, SACD Stereo
- Disc Playback Modes: Fast Forward/Backward, Next/Previous Album Search, Next/Previous

- Track Search, Repeat one/album/all, Shuffle Play
- MP3 bit rates: 32-256 kbps and VBR

Still Picture Playback

- Playback Media: Picture CD
- Picture Compression Format: JPEG
- Slide show: with music (MP3)

Tuner/Reception/Transmission

- Auto digital tuning
- Auto store
- Number of Preset Channels: 20
- RDS: Station Name
- Tuner Bands: FM Stereo, MW

Connectivity

- Other connections: Analog audio Left/Right in, ComponentVideo out Progressive, Composite video (CVBS) out, Digital coaxial in, FM Antenna, Line out, MW Antenna, S-Video out, SCART1 (CVBS, S-video/RGB out)

Convenience

- Child Protection: Parental Control
- Display Type: FTD, On Screen (OSD)
- Remote Control: Multi-functional

Accessories

- Included accessories: 1x center speaker, 1x subwoofer, 2x front satellite speakers, 2x rear satellite speakers, AC Power Cord, FM/MW Antenna, Quick Use Guide, Remote Control, Scart Cable, User Manual, Warranty certificate
- Included batteries: 2x Longlife AA

Dimensions

- Center speaker dimensions (W x H x D): 435 x 76 x 70 mm
- Set dimensions (W x H x D): 360 x 40 x 305 mm
- Subwoofer dimensions (W x H x D): 300 x 400 x 300 mm
- Surround Speaker dimensions (W x H x D): 95 x 255 x 82 mm

Power

- Power supply: 200-240 V, 50/60 Hz
- Standby power consumption: < 2 W



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