

Philips
DVD Home Theater
System with Neodymium
Ribbon Tweeters

LX8320SA



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

Superb video performance

- PAL & NTSC Progressive Scan gives razor-sharp images
- 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
sense and simplicity

Specifications

Picture/Display

- **Aspect ratio:** 4:3, 16:9

Sound

- **D/A converter:** 24 bit, 96 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):** 3 x 100W, 2 x 75W + 150 W
- **Total Sound Power (RMS):** 600 W

Loudspeakers

- **Satellite Speaker:** Magnetically shielded front, 4 Floor standing pillars
- **Satellite speaker freq range:** 120-50000 Hz
- **Satellite speaker impedance:** 6 ohm
- **Satellite speaker drivers:** 6" ribbon tweeter, 2x 3" mid range woofer
- **Center Speaker:** 2 way, Cinema Center speaker, Magnetically shielded
- **Center freq range:** 120-30000 Hz
- **Center speaker impedance:** 6 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:** Dolby Digital, DTS, MP3, PCM
- **Playback Media:** CD, CD-R, CD-RW, MP3-CD, SACD Multichannel
- **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
- **Tuner Bands:** FM Stereo, MW

Connectivity

- **Other connections:** Analog audio Left/Right in, Component Video out Progressive, Composite video (CVBS) out, Digital coaxial in, FM Antenna, Line out, MW Antenna, S-Video 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, Audio Cable, FM/MW Antenna, Quick Use Guide, Remote Control, User Manual, Video Cable, Warranty certificate
- **Included batteries:** 2x Longlife AA

Dimensions

- **Center speaker dimensions (W x H x D):** 435 x 76 x 70 mm
- **Center Speaker Weight:** 1.4 kg
- **Set dimensions (W x H x D):** 360 x 40 x 305 mm
- **Set weight:** 2.5 kg
- **Stand dimensions (W x H x D):** 95 x 540 x 95 mm
- **Subwoofer dimensions (W x H x D):** 300 x 400 x 300 mm
- **Subwoofer Weight:** 12 kg
- **Surround Speaker dimensions (W x H x D):** 100 x 550 x 107 mm
- **Surround speaker Weight:** 10.3 kg
- **Weight incl. Packaging:** 43 kg
- **Packaging dimensions (W x H x D):** 1000 x 516 x 495 mm

Power

- **Power supply:** 110-240V, 50/60 Hz
- **Standby power consumption:** < 1W

Product 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.

PAL & NTSC Progressive Scan

Progressive Scan doubles the vertical resolution of the image resulting in a noticeably sharper picture. Instead of sending fields with the odd lines to the screen first, followed by the fields with the even lines, both fields are written at one time. A flicker-free high resolution image is created giving you the best viewing experience.

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.



Date of issue 2007-01-15

Version: 3.0

12 NC: 9073 100 11954
EAN: 87 10895 81871 1

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