

ELITE

7.2-ch Direct Energy HD Network AV Receiver

SC-LX502(B)

**DIGITAL
CINEMA** AVAILABLE AT
DIGITAL CINEMA



Experience the enveloping sound of DTS:X® and Dolby Atmos® featuring the Reflex Optimizer for Dolby Atmos-enabled speakers, accompanied by the spectacular view of Ultra HD video, HDR10, HLG (Hybrid Log-Gamma), and Dolby Vision™. FlareConnect™, Chromecast built-in, and DTS Play-Fi® let you stream music anywhere across the house. Listen to a multitude of songs via internet radio and network streaming services, controlled by the Pioneer Remote App. With Powered Zone 2, and a phono and 7 HDMI inputs, a wide range of options are offered on the Elite® SC-LX502.

Amplification

- › Channels: 7
- › Amplification Type: Class D³ (Direct Energy HD)
- › 560 W Multi-ch Simultaneous Drive (8 ohms, 1 kHz, THD 1.0 %)
- › 150 W/ch (6 ohms, 1 kHz, 0.9 % THD, 2ch Driven, FTC)
- › 120 W/ch (8 ohms, 1 kHz, 0.08 % THD, 2ch Driven, FTC)

Construction Design

- › Fan-less Cooler Design
- › Anti-Standing Wave Insulator

Audio Features

- › Dolby Atmos®/Dolby Surround
- › DTS:X/DTS Neural:X
- › Reflex Optimizer
- › Dolby® TrueHD/Dolby Digital Plus
- › DTS-HD Master Audio/DTS-HD High Resolution Audio/DTS 96/24/DTS-ES/DTS Express
- › DSD Direct Playback via Network/USB (11.2, 5.6, 2.8 MHz/2ch)
- › DSD Disc (SACD) Playback via HDMI (2.8 MHz/5.1ch, 2ch)
- › Digital Core Engine with Cirrus Logic (Quad Core) x1
- › 768 kHz/32-bit DAC (AK4458)
- › HDMI Audio Return Channel (ARC)
- › MCACC Auto Room Tuning
 - Phase Control
 - Subwoofer EQ
- › Advanced Sound Retriever (2ch)
- › Advanced Surround Modes
 - Classical, Unplugged, Entertainment Show, Drama, Advanced Game, Action, Rock/Pop, Sports, Extended Stereo, Extended Mono, Front Stage Surround Advance, Auto Surround

Video Features

- › Ultra HD Pass-through with HDCP 2.2 (4K/60p/4:4:4/24-bit, 4K/24p/4:4:4/36-bit, 4K/60p/4:2:0/36-bit)
- › High Dynamic Range (Dolby Vision, HDR10, HLG) Signal Pass-through
- › Wide Color Gamut (BT.2020) Signal Pass-through
- › Ultra HD Upscaling (1080p → 4K)
- › 3D Ready (Blu-ray Disc™, Broadcast, and Games)
- › Deep Color (36-bit), "x.v.Color"

Home Network Features

- › FlareConnect™*2 for Multi-room Audio
- › Chromecast built-in*1
- › DTS Play-Fi*2 Ready
- › Apple AirPlay Certified
- › Pandora®, Spotify, TIDAL, and Deezer Music-Streaming Services Ready*3
- › Internet Radio with TuneIn
- › Hi-Res Audio File Playback via USB/Network
 - Up to 192 kHz/24-bit ALAC, AIFF, FLAC, WAV
 - 11.2 MHz Direct DSD and 5.6/2.8 MHz DSD Playback*4
 - Dolby® TrueHD Playback (USB only)

Convenience Features

- › Built-in Wi-Fi® (Dual Band 5 GHz/2.4 GHz)
- › Built-in Bluetooth® Wireless Technology (Version: 4.1+ LE, Profile: A2DP/AVRCP, Codec: SBC/AAC)
- › Pioneer Remote App Ready (iOS/Android™)*5
- › User-Friendly GUI with System/Network Setup Menu
- › Auto Power Off in HDMI Standby Through
- › AM/FM Tuner 40 Presets
- › Sleep Timer
- › User-Friendly Simple Remote Control

Front Terminals

- › HDMI 1 In
- › USB 1 In for USB Drive
- › MCACC Setup MIC In
- › Phones 1 Out

Rear Terminals

- › HDMI 6 In (4 Assignable)
- › HDMI 2 Out (1 for MAIN, 1 for Zone 2/SUB)
- › Ethernet 1 In

- › AV (Component) 1 In (Assignable)
- › AV (Composite) 2 In (Assignable)
- › Audio 1 In (Assignable)
- › Phono (MM) 1 In
- › Digital Coaxial 1 In (Assignable)
- › Digital Optical 2 In (Assignable)
- › Subwoofer 2 Pre Out
- › Zone 2 Pre/Line Out
- › Speaker 9 ch Out (FRONT, CENTER, SURROUND, SURROUND BACK/ZONE 2/BI-AMP, HEIGHT/SP B)

- › IR 1 In/1 Out
- › 12 V Trigger 2 Out/RS-232C
- › FM/AM Antenna

Specifications

- › Power Requirements: AC 120 V, 60 Hz
- › Power Consumption/Standby: 250 W/0.1 W
- › Dimensions (W x H x D): 17-1/8 x 7-5/16 x 15-9/16 inches (435 x 185 x 395 mm)
- › Weight: 26.2 lbs. (11.9 kg)

*1 Chromecast-enabled apps required *2 Available with firmware update *3 Availability of services may vary with region. Please confirm before purchase. Subscription may also be required.
*4 Not guaranteed via wireless LAN *5 Available for free download from the App Store/the Google Play



SC-LX502(B) UPC: 889951001003

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Class D³ (Direct Energy HD) Amplifier

The Class D³ Amplifier based on Pioneer's Multi-channel Stereophonic Philosophy is capable of simultaneous high-power. With the Direct Power FET directly connected to the print circuit board without any wiring, you can enjoy quality sound, quick response, and high efficiency, as well as save energy. The custom bypass capacitors further enhance the advantages of the Direct Energy HD amplifier, producing powerful bass while also featuring gentle expressiveness. The Class D³ amplifier is ideal for reproducing the latest HD content encoded by Dolby Atmos or DTS:X and high resolution audio.

MCACC Auto Room Tuning

Create the optimum acoustic environment with Pioneer's MCACC (Multi-Channel Acoustic Calibration System), developed with the expertise of professional recording studios. With the custom microphone, the system automatically compensates for differences in speaker size, level and distance, and equalizes response.



Synchronized Sound with Phase Control

As an innovative solution for the phase lag between the subwoofer and the main channel speakers caused by the bass management filter, Phase Control compensates the delayed bass to improve sound synchronization.



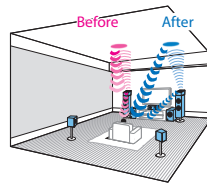
Dolby Atmos and DTS:X

Dolby Atmos and DTS:X formats liberate sounds from specific speakers, allowing them to move from speaker to speaker, and even overhead. The next-generation audio codecs leverage object-based audio to enable new immersive and interactive audio performance. Whether it is movies, music, or games, you can enjoy a totally new experience that unleashes overwhelming realism in your home theater.



Reflex Optimizer

High directivity sound reflects off the ceiling, while low directivity sound directly reaches the ears. This difference causes a phase shift, making the sound feel uncomfortable. To solve this, the new technology optimizes the performance of your up-firing elevation speakers for your listening environment, by aligning the phase of direct and indirect sound, matching the basic tone, and optimizing the upward-oriented frequencies. The result is overall seamless sound with Dolby Atmos enabled speakers, allowing the ideal reproduction of three-dimensional surround sound.



Next-Generation Video Standard Ready

The SC-LX502 supports pass-through for Dolby Vision, HLG (Hybrid Log-Gamma), and HDR10 signals. By connecting a compatible source device, you can enjoy these latest video standards on a compatible display. What's more, all HDMI terminals support 4K (60p/4:4:4/24-bit*), Wide Color Gamut (BT.2020), and HDCP 2.2, so you will have no problem when upgrading to new devices, and can also enjoy premium content such as 4K videos with digital copy protection.

* 4:4:4/24-bit signal is not supported via front terminal.



HDR Dynamic Range Expansion Image



No HDR



With HDR

For illustration purpose only

Chromecast built-in

The SC-LX502 comes with Chromecast built-in, so you can use your mobile device to stream your favorite music, radio, or podcasts to your speaker. You can control the audio from anywhere in the house using Chromecast-enabled apps running on your personal device—iPhone, iPad, Android phone and tablet, Mac and Windows laptop, and Chromebook™. Discover Chromecast-enabled apps at google.com/cast/apps.



DTS Play-Fi*

DTS Play-Fi* wirelessly streams any audio content from any compatible mobile device to the SC-LX502 and DTS Play-Fi compatible audio systems, creating a multi-room system in your home. You can stream different sources to different speakers at the same time from the Pioneer Music Control App.

* DTS Play-Fi will be available with firmware update.



Multi-room Audio Offers a Variety of Ways to Enjoy Music

FlareConnect™* shares audio from network and external audio input sources between compatible components. Enjoy effortless multi-room playback of LP records, CDs, network music services, and more with supported components and speaker systems. Music selection, speaker grouping, and playback management across the home are built into the Pioneer Remote App**.

* Sharing audio from external inputs is enabled with a future firmware update. External audio inputs supporting FlareConnect may differ depending on model. Please consult individual product specification for more information.

** Download free from the App Store or Google Play.



Integrated Technologies



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