

Superlux HD681

Superlux HD681 Semi-Open Studio Headphones Instruction Manual

Model: HD681

1. INTRODUCTION

The Superlux HD681 are semi-open studio headphones designed for a wide range of audio applications, including professional monitoring, recording, mixing, podcasting, and general music enjoyment. Featuring 50mm neodymium drivers, these headphones deliver a balanced audio experience with a broad frequency response, deep bass, and clear highs. Their lightweight and comfortable design ensures suitability for extended listening sessions.



Figure 1: Superlux HD681 Semi-Open Studio Headphones

2. KEY FEATURES

- **Accurate & Detailed Sound:** Balanced audio with a 10–30,000 Hz frequency range, 50mm neodymium drivers for vivid detail, deep bass, clear highs, and wide soundstage.
- **Deep Low-Frequency Impact:** Specially tuned for rich low-end depth, ideal for classical music and large ensembles.
- **Comfortable Design:** Self-adjusting headband and soft vinyl earpads for long-term comfort. Lightweight build (9.9 ounces).
- **Single-Sided Cable:** Durable 2.5-meter (8.2 ft.) straight, single-sided cable with screw-on gold-plated stereo mini plug.
- **Professional Versatility:** 32 Ω impedance and 300 mW maximum power, adaptable to various settings including mixing, tracking, and general listening.

Professional Monitoring Headphones



Figure 2: Ultra-wide Frequency Response for detailed audio.

Video 1: Overview of Superlux HD681 Semi-Open Back Headphones, showcasing key features and design.

3. SETUP

The Superlux HD681 headphones are designed for simple plug-and-play operation. Follow these steps to connect your headphones:

1. **Identify the Audio Source:** Determine if your audio device requires a 3.5mm or 6.3mm audio jack.
2. **Connect the Cable:** The headphones come with a 3.5mm stereo mini plug. If your device requires a 6.3mm connection, attach the included screw-on 6.3mm adapter to the 3.5mm plug.
3. **Plug In:** Insert the appropriate audio jack into your device's headphone output.
4. **Adjust Headband:** The self-adjusting headband will automatically conform to your head size for a comfortable fit.



Figure 3: Connecting the 3.5mm plug and 6.3mm adapter.

4. OPERATING INSTRUCTIONS

Once connected, the Superlux HD681 headphones are ready for use. Adjust the volume on your audio source to a comfortable listening level. These headphones are suitable for a variety of applications:

- **Music Listening:** Enjoy high-fidelity audio for all music genres, especially classical, with their wide soundstage and clear dynamics.
- **Studio Monitoring:** Use for critical listening during recording, mixing, and tracking sessions.
- **Gaming:** Experience immersive sound for gaming with clear audio cues.
- **Podcasting & Content Creation:** Ideal for monitoring audio during podcast recording or video production.

**Tailored
for
Every
Listening
Experience**



Figure 4: Enjoying music with the HD681 headphones.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Superlux HD681 headphones, follow these maintenance guidelines:

- **Cleaning:** Wipe the headphones with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- **Earpad Care:** The vinyl earpads can be gently cleaned with a damp cloth. For replacement, refer to the earpad replacement tutorial video.
- **Cable Care:** Avoid sharp bends or excessive pulling on the cable to prevent damage.
- **Storage:** Store the headphones in a cool, dry place, preferably in the included travel pouch, to protect them from dust and physical damage.

Video 2: Earpad Replacement Tutorial Video for Superlux HD681 series headphones.

6. TROUBLESHOOTING

If you encounter issues with your Superlux HD681 headphones, try the following solutions:

- **No Sound:**
 - Ensure the audio cable is securely plugged into both the headphones and the audio source.
 - Check the volume level on your audio source and ensure it is not muted.
 - Test the headphones with a different audio source or device to rule out a device-specific issue.
- **Poor Sound Quality (Distortion, Hissing):**
 - Verify that the audio cable connections are firm.
 - Reduce the volume on your audio source if distortion occurs at high levels.

- Ensure the audio source is playing high-quality audio files. Low-quality audio can result in poor sound.
- Check for any damage to the cable or headphone drivers.

- **Uncomfortable Fit:**

- Allow the self-adjusting headband to settle.
- Ensure the earpads are correctly positioned over your ears.

7. SPECIFICATIONS

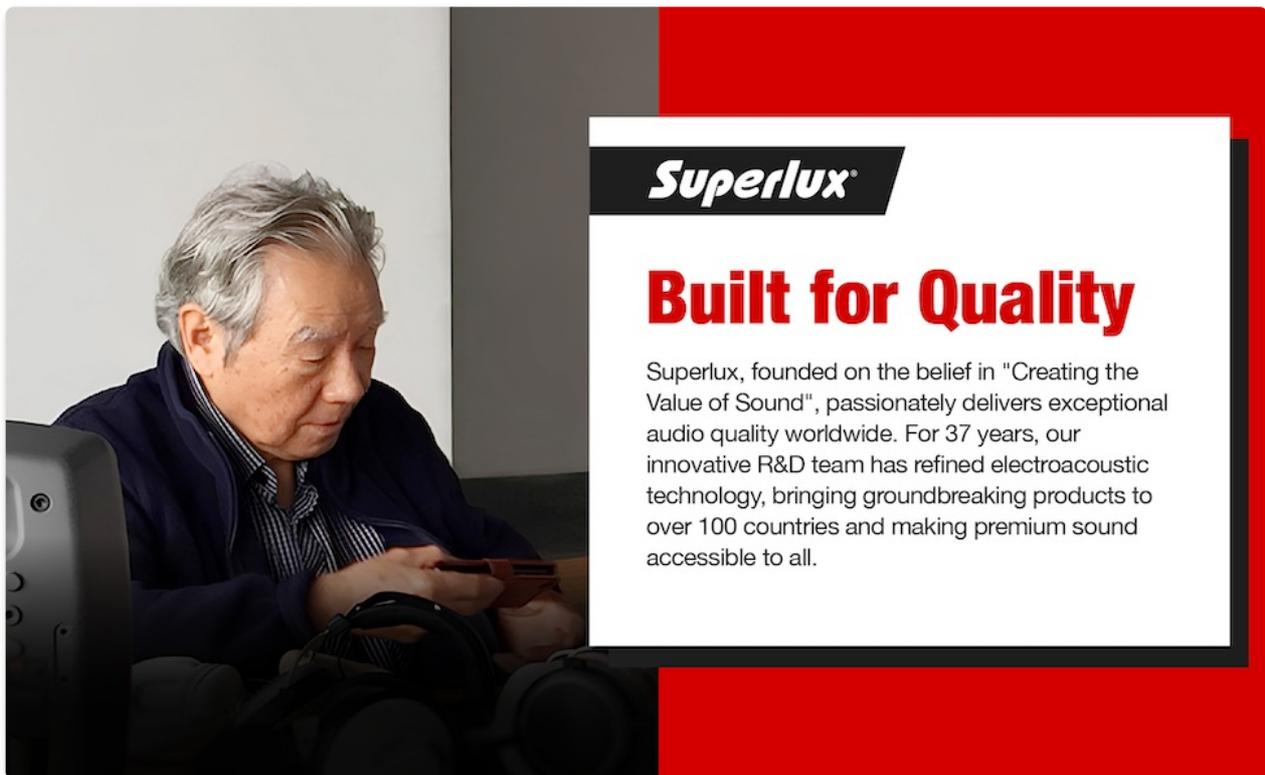


Figure 5: Dimensions of the Superlux HD681 headphones.

Feature	Detail
Model Name	HD681
Brand	Superlux
Ear Placement	Over Ear
Form Factor	Over Ear
Connectivity Technology	Wired
Headphones Jack	3.5 mm Jack
Impedance	32 Ohms
Audio Driver Type	Dynamic Driver
Item Weight	9.9 ounces (0.28 Kilograms)

Feature	Detail
Product Dimensions	4.21 x 7.36 x 7.87 inches
Frequency Range	10-30,000 Hz
Max Power	300 mW

8. WHAT'S IN THE BOX

Your Superlux HD681 package includes the following items:

- Superlux HD681 Semi-Open Studio Headphones
- 2.5-meter (8.2 ft.) straight, single-sided cable with 3.5mm stereo mini plug
- Screw-on 6.3mm adapter
- Travel Pouch

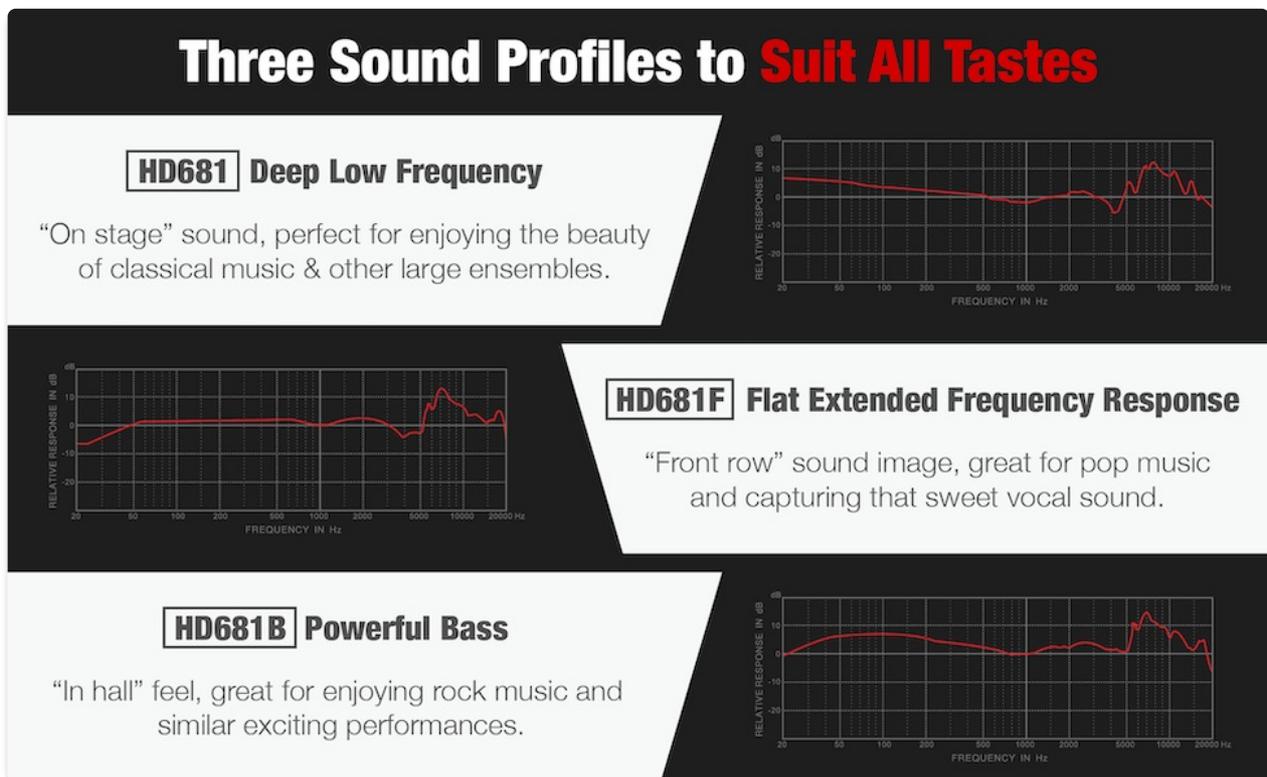


Figure 6: What's included in the Superlux HD681 package.

9. WARRANTY AND SUPPORT

For product support, technical assistance, or warranty inquiries, please refer to the official Superlux website or contact your retailer. Specific warranty details may vary by region and retailer.

