

SAVES TIME.  
**YOURS.**  
LSP 500 PRO

Hassle-Free Wireless Integrated Professional Audio System





## Fresh Solutions to Public Address.

When convening audiences with professional sound you often are constrained to certain factors. Technical specifications, audience sizes, spatial arrangements and, last but not least, time and cost pressure require detailed planning for each and every venue. In spite of this, almost every set-up situation poses last-minute problems that necessitate workarounds.

Once the show is on, it's your job to serve pristine sound. Different input sources and diverse live situations call for your attention. Usually you're tied to a mixing console in one spot – so to keep the mix in control and the show in flow you're often required to compromise.

Sennheiser now offers an integrated PA system like none before. LSP 500 PRO – it's a real game changer: Imagine a set-up scenario where things work seamlessly together. Imagine a complete event under remote control. From intro to outro...

# GET READY TO GO PRO

## LSP 500 PRO



### 1 SET-UP IN A SNAP.

Time is money. Period. LSP 500 PRO will be set up significantly faster and easier than other PA systems. No cords, no kludges, no compromise. Sound presets and EQ guarantee quick audio set-up, input mixing and output recording.

### 2 POWERFUL, PORTABLE & IPAD-CONTROLLED.

Once the LSP 500 PRO is in service, you control the complete system with the swipe of a finger. Input sources, sound mixing, playlist management and live recording are all done via iPad. You're free to move around the venue at any time while keeping the performance under convenient control.

### 3 FREE FROM THE HASSLE.

LSP 500 PRO is completely scalable even to sizable audiences and large events. Whether your job needs 2 or 20 speakers – LSP 500 PRO will deliver. Invest in a future proof PA system with unlimited expandability. For maximum effect without all the hassle.

# 1

## SET-UP IN A SNAP.



### 1 EASY DOES IT.

Whether big ballroom event or small sales show – the LSP 500 PRO is conveniently set up by one person alone. Each LSP 500 PRO is easy to handle. A dedicated trolley bag will ease transport and storage one more time.

### 2 DROP THE CABLE. EXPAND YOUR OPTIONS.

Modular in nature and truly wireless by design this system offers total freedom from hard-wired cables. Simply set up your own WLAN and every box on location will automatically connect in a secure way.

### 3 SEAMLESS INTEGRATION. MAXIMUM EFFECT.

The whole system consists of genuine Sennheiser components. Everything will work together tightly and in full Sennheiser quality. This one system will meet all your application needs.

# 2

## POWERFUL, PORTABLE & IPAD CONTROLLED.



### 1 UNBOUND AND IN CONTROL.

Don't be bothered by technology or bound by spatial limitations. LSP 500 PRO will liberate you completely. You will not be fixated to a mixing console but free to either move through the venue to check the sound or to stand by discreetly, controlling volume and other settings via iPad.

### 2 CONTROL THE VENUE. WITH THE SWIPE OF A FINGER.

Any LSP 500 PRO system set-up can be configured via iPad. Once the show is on, you control status, sound and input sources in real time via your mobile device.

### 3 ONE SYSTEM. ALL OPTIONS. REMOTE CONTROLLED.

Up to three wireless microphone links, Bluetooth music streaming and built-in USB player / recorder deliver optimum audio connectivity and flexibility.

# 3

## FREE FROM THE HASSLE.



### 1 EASE UP ON THE PLANNING.

Its modular and integrated design sets LSP 500 PRO apart from any other wireless PA. Regardless of 2 or 20 speakers – the whole system is set up and managed by one person easily. The number of components is considerably reduced compared to conventional wired or wireless PAs.

### 2 A STRESSLESS INVESTMENT.

Forget surprises. Stay smooth over each and every single facet of the jam. (You will even avoid the perpetual nagging over “cable-free” escape routes, since there ARE no cables.) LSP 500 PRO will be a huge asset: Your stress level will be reduced significantly. Plus you will save time. And, last but not least, money.

### 3 HOT-SWAPPABLE. UNSTOPPABLE.

The LSP 500 PRO is dual battery powered. In case battery power runs low, you will be alarmed via iPad. Battery replacement is convenient – simply hot-swap even during live operation. Every LSP 500 PRO will be permanently on duty, if need be.

# The Box. Technical Specifications. Expanded Options.

The LSP 500 PRO comes in a rock solid housing with integrated handle. Its sleek sturdy design fits every location and a wide range of applications. The Box also features an advanced user interface. Jog dials and a high contrast OLED display give intuitive feedback and control.



## HOUSING

### Dimensions WxHxD:

290 x 550 x 320 mm  
(11.42 x 21.65 x 12.60")

### Housing Material:

crosswise glued plywood,  
polyurethane coating

### Pole mount:

36 mm (1.42"),  
angle adjustable up to +/- 13.5°  
in steps of 4.5°

### Weight:

approx. 13.6 kg (30 lb.)  
w/o wireless receivers

### Colour:

black



## ACOUSTIC

### Acoustic Design:

2-way, closed box design

### Drivers:

8" woofer, 3/4" compression  
driver, passive crossover

### Sound Pressure Level:

110 dB SPL (10 % THD, fullspace)

### Frequency Response:

65 Hz - 18 kHz (-10 dB)

### Dispersion HxV:

80°x60° (-6 dB)



## POWER SUPPLY

### Mains connection:

100 to 240 V~, 50-60 Hz

### Battery:

2x Lithium Ion 14.4 V / 4.4 Ah

### Operating time approx.:

approx. 6 h speech  
(approx. 3 h per battery pack)

### Charging Time:

approx. 5 h (approx. 2.5 h  
per battery pack)

### Operating temperature:

0° C to 50° C



## SOUND PROCESSING

### Amplifier:

Class D

### Output Power:

55 W continuous;  
120 W peak

### Equalizer:

semi-parametric, 3-band

# Audio Connectivity. All In.

Premium performance and the pursuit of perfect sound: up to 3 wireless microphone links, music streaming via Bluetooth, built-in music player/recorder for USB devices.





# Audio Connectivity. All In.

## 1 SLOT 1

1/2 19" 1U for wireless receiver or transmitter  
DC Connector: Hollow Jack Plug, Pin 1.7 mm, Sleeve 5.5 mm  
Input Connector: 6.3 mm Jack Plug  
Input Level: max. 12 dBu  
Input impedance: 10 kOhm  
Output Connector: XLR-3 M  
Output Level: max. 16 dBu; nominal 4 dBu  
Data Connector: RJ 45  
Adjustable sensitivity  
Sound presets: Speech, Vocal, Flat

## 2 SLOT 2

1/2 19" 1U for wireless receiver  
Adjustable sensitivity  
Sound presets: Speech, Vocal, Flat

## 3 SLOT 3

1/2 19" 1U for wireless receiver  
Adjustable sensitivity  
Sound presets: Speech, Vocal, Flat



## WLAN (Remote Control)

WLAN connectivity to WLAN access point  
Remote Control App for iPad controls up to 20 LSP 500 PRO (Android about to come)  
IEEE 802.11b/g



## BLUETOOTH (Wireless Connectivity)

A2DP (SBC und aptX®)  
(Audio Streaming)



## MIC (Wired Input)



XLR-3F; 6.3 mm combo socket  
Input voltage range:  
XLR-3F max. -22 dBu, -2 dBu (20 dB Switch); nominal -34 dBu, -14 dBu (20 dB Switch)  
Input voltage range  
6.3 Jack max. 4dBu ; nominal -7,5 dBu



## AUX IN (Wired Input)



RCA stereo socket  
Input voltage range:  
max. 14 dBu;  
nominal 2 dBu



## USB



USB 2.0; Media player:  
mp3, wav, aac, flac;  
Media recorder: wav



## LINE OUT



RCA stereo socket  
Output level: max. 14 dBu;  
nominal 2 dBu



## LINK IN



XLR-3F  
Input voltage range:  
max. 16 dBu;  
nominal 4 dBu



## LINK OUT



XLR-3M  
Output voltage level:  
max. 16 dBu;  
nominal 4 dBu

# The LSP 500 PRO App App-solutely everything under control.

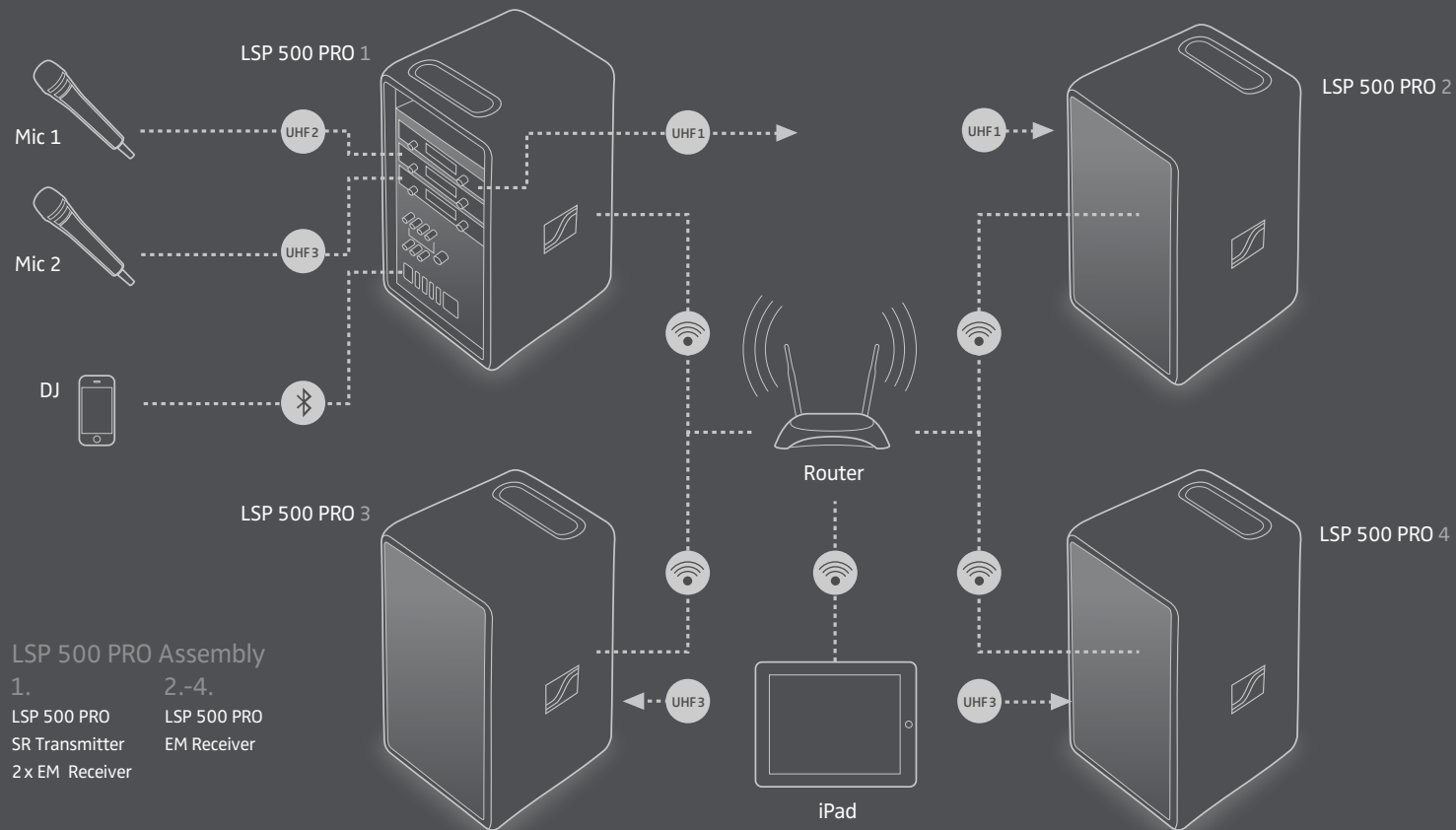
The App is a dramatic upgrade in PA control: LSP 500 PRO's essential features are accessible via iPad.



All LSP 500 PRO speakers within the same network can be arranged and grouped to your specific needs. Control single speakers, groups or the complete system! Fine-tune individual settings and check the status.

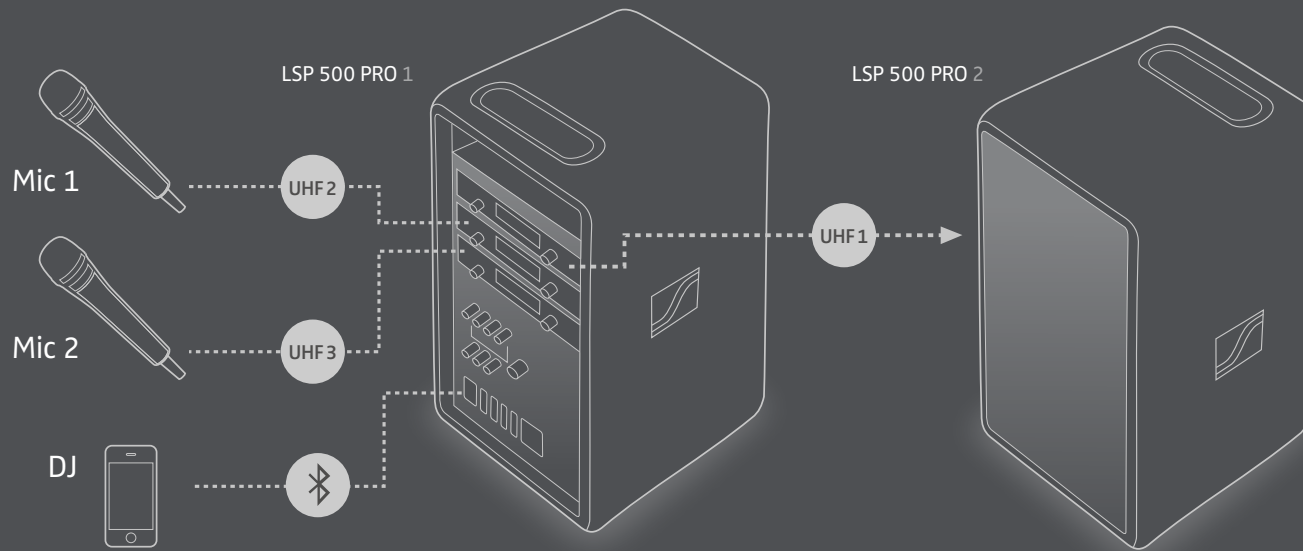


# Set-Up Scenarios. Wireless. Flexible. Scalable.



**APPLICATION EXAMPLE 1:** Two wireless microphone inputs plus one Bluetooth input for the DJ. All inputs are mixed on speaker 1 and wirelessly distributed to speaker 2 to 4. All LSP 500 PRO speakers within the same network – single speakers, groups or the whole system – are iPad controlled.

# Set-Up Scenarios. Wireless. Flexible. Scalable.

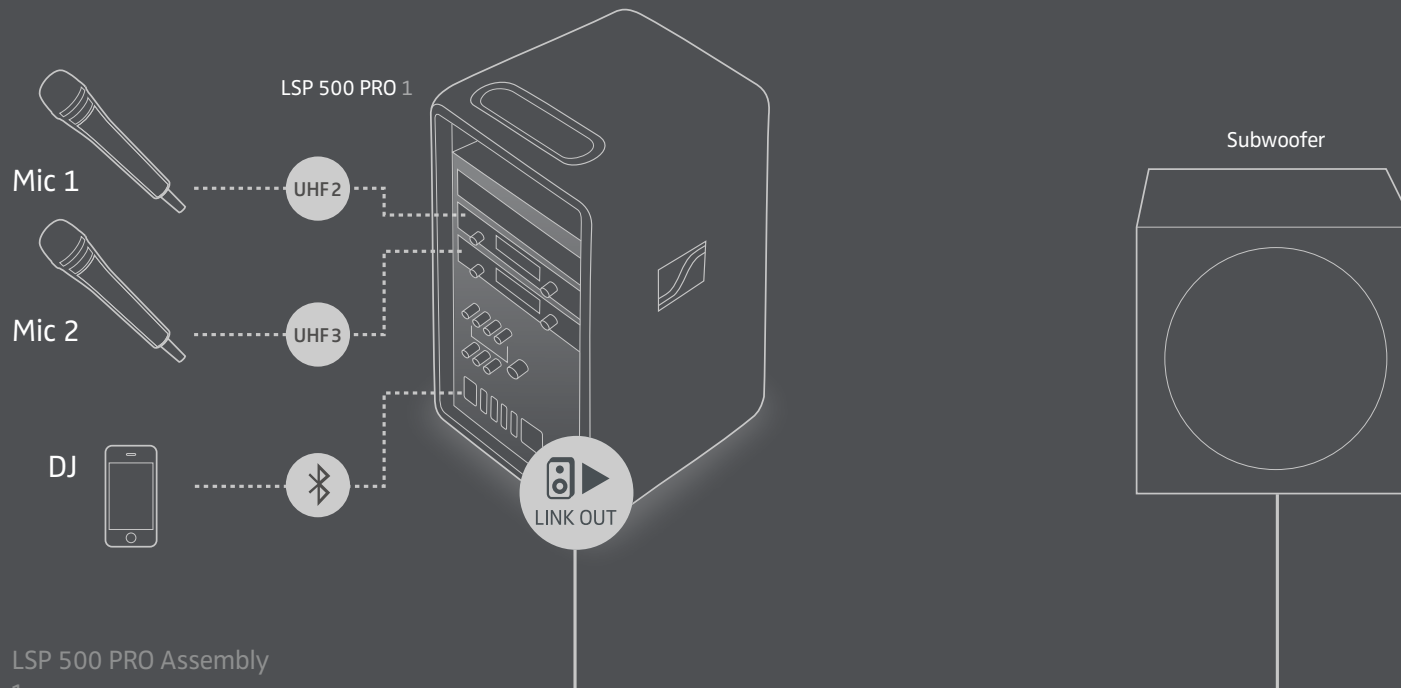


## LSP 500 PRO Assembly

- |                 |             |
|-----------------|-------------|
| 1.              | 2.          |
| LSP 500 PRO     | LSP 500 PRO |
| SR Transmitter  | EM Receiver |
| 2 x EM Receiver |             |

**APPLICATION EXAMPLE 2:** A set-up for talk and pumpin' stereo: Two ew 500 wireless mics and one Bluetooth music input are being mixed on speaker 1. The music is split into stereo channels – speaker 1 plays the left stereo channel and transmits the right channel signal to speaker 2.

# Set-Up Scenarios. Wireless. Flexible. Scalable.



LSP 500 PRO Assembly

1.

LSP 500 PRO  
2 x EM Receiver  
Subwoofer


**APPLICATION EXAMPLE 3:** A small set-up with lots of bass here: Again, two wireless microphones and one Bluetooth music player are mixed on speaker 1. To add more low end, speaker 1 LINK OUT is configured to serve audio for an optional subwoofer.

## TCO

LSP 500 PRO directly impacts the total cost of ownership with its money-saving features. Do the maths for yourselves...

up to  
**70%**   
LESS SET-UP TIME

The system will operate completely wirelessly. Simply arrange LSP 500 PRO on venue, switch it on and control all settings via iPad. Reduce the set-up time by up to 70% and significantly cut down your labour costs.

up to  
**70%**   
LESS ADDITIONAL  
EQUIPMENT COSTS

Minimize, even eliminate investments in auxiliary equipment like amplifiers, mixing consoles, cables & cords. LSP 500 PRO will grow with your needs while lowering equipment and operational costs.

up to  
**40%**   
LESS TRANSPORTATION  
EFFORT

Consider how often you move your PA. LSP 500 PRO is truly an integrated all-in-one system with optimum portability and storability, regardless of how many speakers you use. Your benefit: up to 40% less transportation effort.

**Calculate your TCO Advantage**

[www.sennheiser.com/lsp-500-pro/tco](http://www.sennheiser.com/lsp-500-pro/tco)

Corporate.  
Fast performance.

"A company meeting, all hands, short notice. 650 people in a multi-purpose hall. Start at 2:30 pm. Set-up no sooner than 90 minutes prior, since the space is occupied until 1 pm. Seems like a tough call? To us at [Medientechnik Hannover](#) it seemed like an ideal setting for the LSP 500 PRO. We set up eight speakers in a 4 x 2 array, line two to four utilizing LSP 500 PRO's built-in delay. Added one wireless microphone for the podium and in less than an hour we were done. With LSP 500 PRO, set-up time and system management are a real snap – even with a lack of time."

Alexander Birkl  
Medientechnik Hannover

Der neue Lieblingssitz.

## Event. At the top. In the underground.

*Die Berlinerinnen und Berliner haben gewählt!*

“We at [Bärln Team Eventdesign](#) found our very first LSP 500 PRO field test to be a huge success. The Berliner Verkehrsbetriebe (BVG), Europe’s biggest and most modern public transportation company, entrusted us with the final presentation of an innovative project. For this end a complete subway station – Berlin Alexanderplatz, right in Berlin/Mitte – was transformed into a stage. We used four LSP 500 PRO speakers; one master plus three slaves, two of which employed LSP 500 PRO’s onboard delay. Two wireless microphones were connected to the master speaker via UHF-transmitter. Background music was played using the embedded MP3 player. Another audio signal from the video server was added to the mix via LSP 500 PRO’s AUX IN. And via AUX OUT we delivered audio footage to press agents. We operated the system with the iPad App, so there was no need at all for an external mixing console. To sum up: The whole event went perfect, not least due to LSP 500 PRO’s flawless performance, excellent connectivity and absolute reliability.”

Dan Wittke

Bärln Team Eventdesign GmbH



## Accessories. Roadworthy and Reliable.

Authentic LSP 500 PRO Accessories from Sennheiser. These official add-ons are tailor made and offer extra protection, enhanced portability or totally different look. Protect your investment or style it to fit your needs.

### STRETCH COVER



You need a PA that blends perfectly and discreetly with your surroundings? Put on some fresh white for a cleaner appearance. Simply equip your LSP 500 PRO with these acoustically translucent, lightweight stretch covers to achieve an unobtrusive, bright white look.

### RUGGED COVER



The official protective cover for the LSP 500 PRO. Protect your investment from wear and tear. A rugged, heavy-duty, weather-resistant cover made from lightweight ballistic nylon material that fits like a glove. For outdoor operation and secure transport. Padded for added protection.

### TOUR TROLLEY



A heavy-duty trolley bag for superior protection and convenient handling. This sturdy yet soft and thick padded transport trolley keeps your LSP 500 PRO safe when on the go. A reinforced retractable extension handle makes the system extremely portable. Comes in a neutral black design with large extra pockets on the outside and contrasting white Sennheiser logo.

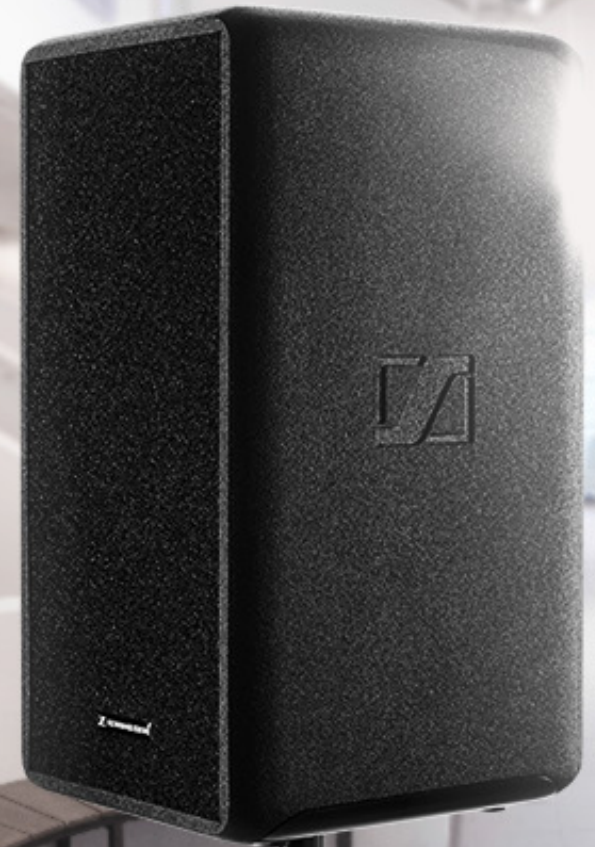
# MISSION ACCOMPLISHED.

## LSP 500 PRO

– As seen in the case studies:

- It is very easy to set up.
- It is very easy to control.
- It liberates you from the hassle.
- It saves you time and money.

Free your creativity and see for yourself what LSP 500 PRO will do for your communication. Liberate yourself from the old school PA hassle.





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[www.sennheiser.com](http://www.sennheiser.com)

[www.sennheiser.com/lsp-500-pro](http://www.sennheiser.com/lsp-500-pro)

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