

# 2.4 GHz Table Microphone

Speech enhancement tool

The Table Microphone is a wireless hearing aid accessory designed to improve speech understanding in noise, such as in a meeting or restaurant. It uses an array of microphones and beamforming technology to enhance the active speaker in the environment, while simultaneously reducing competing background speech or noise from other directions.



# Who will benefit

The Table Microphone is for any patient who struggles to hear speech in a multitalker environment or in background noise, and who would benefit from better focus and less effort to understand their conversational partners.

### How it works

The sophisticated beamforming technology of the Table Microphone assists the user in focusing on the intended speaker in a group. The direction of the speaker is detected automatically, or can be selected manually by the user. The enhanced signal, with clearer speech and less noise, is streamed wirelessly to the user's hearing aids.

# Why patients will want it

Patients will want the Table Microphone as an easy-to-use solution to the problem of understanding speech in challenging listening environments.

The Table Microphone allows patients to hear more of a conversation using less effort, and also provides multiple functions such as a TV streamer and a body-worn remote microphone.

# Where to find it

The **Table Microphone** is compatible with all Livio Edge AI, Livio AI and Livio products, styles and technology tiers.

Livio Edge Al	Livio Al				Livio				
2400	2400	2000	1600	1200	2400	2000	1600	1200	1000
$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$

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#### How it helps you

Problem — Separating the signal of interest from unwanted noise is challenging and effortful for hearing aid users.

**Solution** — The Table Microphone enhances the signal and attenuates the noise for superior speech understanding.

### **Proof points**

Results from the Hearing In Noise Test (HINT) demonstrated that the Table Microphone provided statistically significant improvement for speech-innoise listening over hearing aids alone and hearing aids with the Remote Microphone +. The Table Microphone allowed users to understand speech in noisier, more challenging, listening conditions.

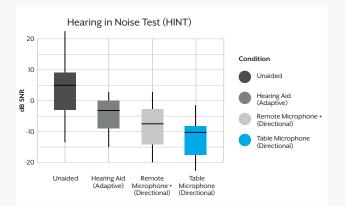


Figure 1: Boxplot of HINT results. The lower the signal to noise ratio (SNR), the better the performance.

### Set up

Professionals — <u>Visit this page</u> to learn
more about the Table Microphone and how to pair it to hearing aids.

Patients — <u>Visit this page</u> to see how the Table Microphone is designed to improve speech understanding in challenging listening environments.

#### To learn more

- Visit starkeypro.com.au/livioedgeai
- Read our <u>white papers</u>
- Check out training opportunities
- Contact your Starkey representative today



1 Walsh, K. & Zakharenko, V. [2020]. 2.4 GHz Table Microphone [White Paper]. Retrieved from Starkey: https://home.starkeypro.com/pdfs/WTPR/SG/WTPR2787-00-EE-SG/Table\_Microphone\_White\_Paper.pdf

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