

The Multi-Mic+



External Microphone for
addition speech understanding



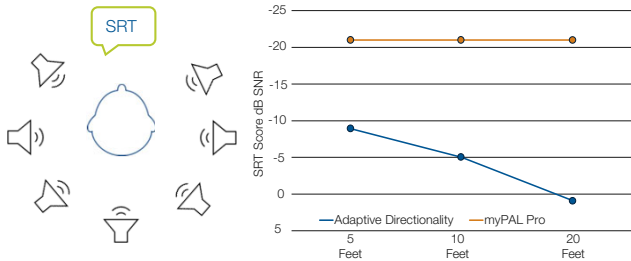
Speech from the Multi Mic+
streams into the patient's
hearing aids



Streams up to 80 feet

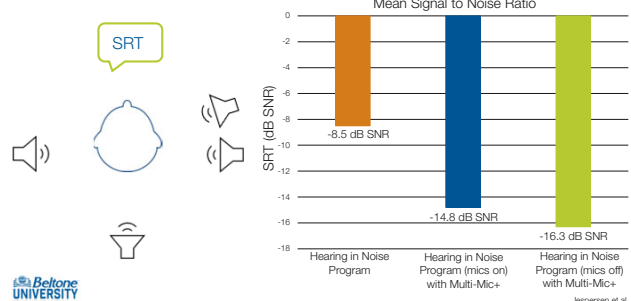


Hearing in Noise Benefit



Jespersen & Kikwood, 2016

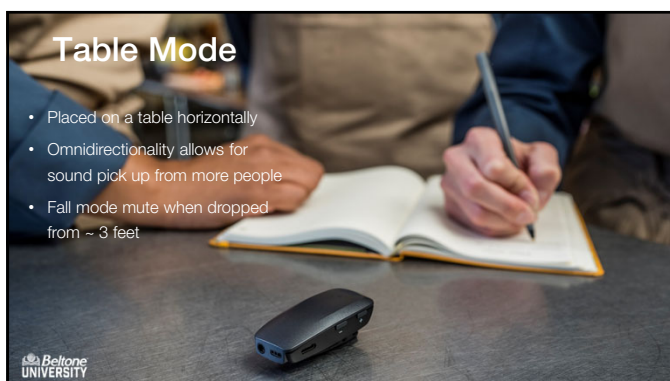
Closing the Hearing in Noise Gap



Jespersen et al., 2024







Other Audio Modes



Mic-mode
Presenter mode (Vertical)
Table mode (Horizontal)



Telecoil
• Will connect to an available tele-loop
• Press the mode button once to activate



Line-in
• From the 3.5 mm mini jack stream audio from an external devices
• When a mini jack cable is connected, this mode will automatically be selected



FM receiver
• Receives audio from a FM transmitter when 3-pin FM receiver is attached
• When an FM receiver is connected, this mode will automatically be selected



• Multiple BTLEA devices can connect to the same stream
• Activated from the HearMax app for the Multi Mic+ to be searchable by other devices

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Updated Hardware

- The top cover is less glossy, reducing the appearance of fingerprints
- Using USB-C charging
- The power, volume control and mode buttons have all been redesigned
- Increased battery life
 - Mic, T-coil, FM mode: Up to 15 hr
 - Line-in mode: Up to 20 hr



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Using the Volume Control Buttons

- Streamed audio is adjusted in 3 dB steps.
- Volume level resets to default when powered OFF/ON
- Volume can be locked to a desired level



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Locking the Volume Control



- Multi-Mic+ needs to be powered off
- Press and hold the volume down and power buttons for 1.5 seconds until the LED turns green and then release the power button
- Keep pressing the volume down button until a green-blue-green LED sequence is seen

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Unlocking the Volume Control



- Multi-Mic+ needs to be powered off
- Press and hold the volume up and power buttons for 1.5 seconds until the LED turns green and then release the power button
- Keep pressing the volume up button until a green-blue-green LED sequence is seen

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Charging Status

- 100% : 4 solid green LEDs
- >75%: 4 solid green LEDs (Top pulsating)
- 50%-74%: 3 solid green LEDs (Top pulsating)
- 25%-49%: 2 solid green LEDs (Top pulsating)
- <25%: 1 green pulsating LED



Charging & Battery Status

Battery Status

- >75%: 4 green LEDs shown
- 50%-74%: 3 green LEDs shown
- 25%-49%: 2 green LEDs shown
- <25%: 1 green pulsating shown

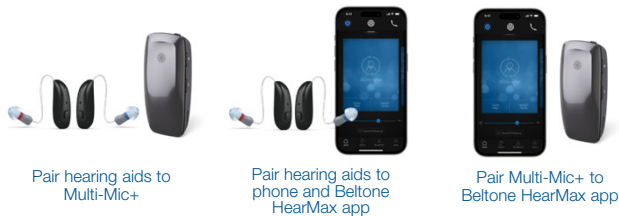


Multi-Mic+ LED Indicator Patterns

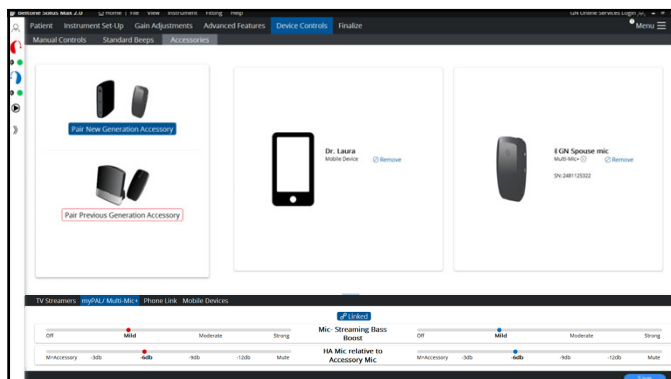
Status	LED Information	Description
Powered Off	No LED	No LED pattern when Multi-Mic+ is Off
Turning power ON		Green LED for 3 seconds (Once)
Turning power OFF		Short 3 white LED flashes (Once)
Power On		Short green LED flash every 2 seconds
Volume control disabled		Short green, white, green LED flashes every 2 seconds
Low battery		Short 3 green LED flashes every 2 seconds
Volume control disabled + Low battery		Short green, white, green LED flashes every 2 seconds
Volume control activated / Volume control level deactivated		Long green, blue, green LED flash when activated or deactivated (Once)
Test mode		Constant White LED
Pairing mode		Short blue LED flash every second
Pairing successful		Blue LED for 3 seconds

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OneTouch Pairing



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Accessory Mix-in Streaming

Beltone Serene

All Around	Hear in Noise	6	10	14	18	22	26	30	34	38	42	46	50
60	0	0	7	11	15	19	23	27	31	35	39	43	47
70	0	0	1	5	10	15	20	25	30	35	40	45	50
80	0	0	0	0	1	6	12	18	24	30	36	42	48
CR	1.2	1.3	1.3	1.5	1.6	1.9	2.2	2.6	3.0	3.4	3.8	4.2	4.6
MPO	105	109	110	113	115	118	123	128	133	138	143	148	153

Beltone Achieve and older

All Around	Hear in Noise	6	10	14	18	22	26	30	34	38	42	46	50
60	0	0	0	2	11	15	17	12	10	7	4	1	0
70	0	0	0	0	6	11	12	8	7	4	1	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	1.2	1.3	1.3	1.5	1.6	1.9	2.2	2.6	3.0	3.4	3.8	4.2	4.6
MPO	97	101	102	104	107	111	110	112	110	111	111	111	111

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Step #2

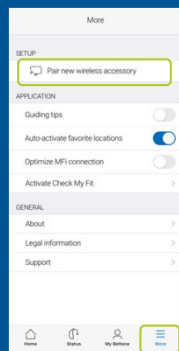
Pair hearing aids to phone and Beltone HearMax app



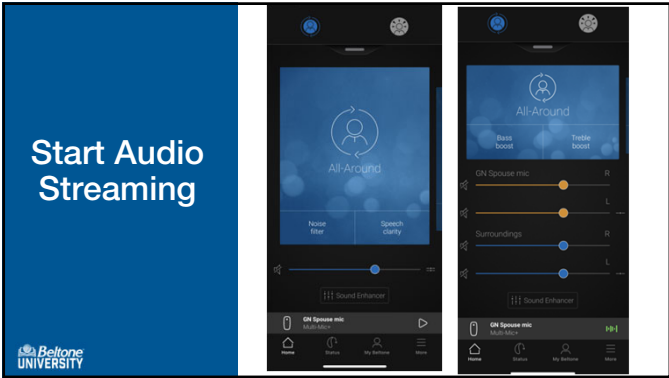
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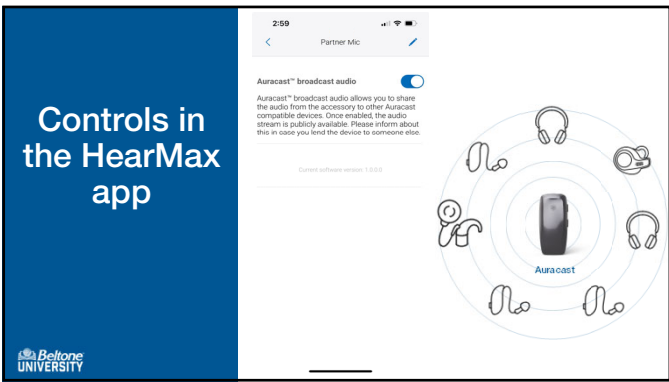
Pairing the Multi-Mic+ to the HearMax app

- More menu, Pair new wireless accessory
- Choose accessory
- Initiate pairing mode on accessory
- When found, tap OK
- Tap 'Pair' on Bluetooth prompt
- Pairing confirmed
- Tap Play button to stream



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Learning Summary

1

Our new Multi-Mic+ has a sleeker less glossy design and optimized push buttons.

2

Pairing is easier with OneTouch Pairing, and when paired to the Belton HearMax app patients have addition controls.

3

Patients can use the Multi-Mic+ in microphone mode, use the build in T-coil, connect a line-in cable or connect to an FM receiver. And let's not forget through the Belton HearMax app turn on Auracast broadcast mode.
