

HearSuite directionality settings guide

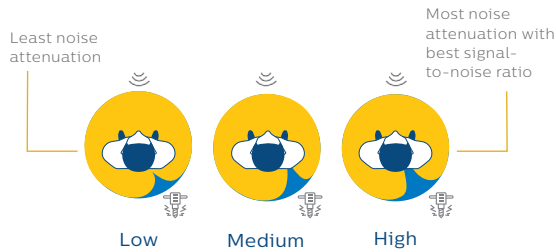
Dynamic Directionality

Dynamic Directionality works simultaneously with **Maximum Effect, Pinna Mode, SoundMap Noise Control Transition** and **Noise Reduction Mode**

Speech-in-noise environment

Maximum Effect

Sets the strength of the directional pattern via seamless null steering in each of the 24 frequency bands



Automatically adapts between Pinna Mode and Maximum Effect depending on the environment

Speech-in-quiet environment

Pinna Mode

The microphone patterns are fixed based on what you select under Pinna Mode



Omni Directional
Provides the standard omnidirectional response sensitive to sounds from all directions with slightly more emphasis towards the front



Pinna
Mimics the natural attributes of the pinna that provides more focus on the front for an optimized signal-to-noise ratio

The microphone pattern can freely adapt from the pattern selected by the **Pinna Mode** control to a more directional setting in any frequency band as indicated by the option chosen in **Maximum Effect**

Adaptive Directionality

The effect of this mode is not coordinated with **SoundMap Noise Control Transition** and **Noise Reduction Mode**. **Maximum Effect** and **Pinna Mode** are also not available under this mode

Automatically fades between traditional directional polar patterns depending on the amount of noise

The microphone pattern can freely adapt to any non-omnidirectional pattern



Fades to hypercardioid in high noise situations

Pinna

Pinna Mode

The microphone patterns are fixed based on what you select under **Pinna Mode**



Omni Directional
Provides the standard omnidirectional response sensitive to sounds from all directions with slightly more emphasis towards the front



Pinna
Mimics the natural attributes of the pinna that provides more focus on the front for an optimized signal-to-noise ratio

Is either **Omni Directional** or **Pinna** (depending on which is selected)

Fixed Directional

The microphone patterns are fixed in a hypercardioid polar response in all frequency bands



Focus on the front with strong attenuation of sounds from the back

Has a fixed directional microphone pattern in any sound environment

PHILIPS

HearSuite

Available directionality modes in different programs



- General
- Music*
- Concert*
- Noise
- Speech in Noise
- Classroom (MT)
- Classroom
- Classroom (T)
- Telephone (T)
- Movie/Theater
- Automobile
- Airplane
- Telephone (M)
- Telephone (MT)

○ Available ● Default

*For HearSuite 20.2

Dynamic Directionality	Adaptive Directionality	Pinna	Fixed Directional
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●	○	○	○
		●	
		●	○
●	○	○	○
○	●	○	○
		●	
	●	○	○
Input through telecoil			
	○	●	○
●		○	
○	●	○	○
		●	
		●	

Dynamic Directionality	Adaptive Directionality	Pinna	Fixed Directional
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Changes based on the detected sound environment	Changes based on the detected sound environment	Fixed	Fixed
Yes	Yes	No	No
Maximum Effect Pinna Mode Noise Reduction Mode SoundMap Noise Control Transition	No	Pinna Mode	No

Fixed/Adaptive microphone pattern

Adapts to changing acoustic environments

Coordinates and works together with other features