

QuickTIPS



ENVIRONMENT MANAGER

PRODUCT AVAILABILITY: Muse, Halo 2, and SoundLens Synergy Devices

ENVIRONMENT MANAGER SETUP

Environment Manager features are technology-tier and style dependent. Higher levels of technology provide more options and assistance for the patient. Default values are research-driven based on patient performance and preference.

Environment Manager allows for adjustments to Comfort, Automatic Music, and Directionality on a per-memory basis.

Launch **Inspire X**, then connect and detect hearing devices. Refer to the *Muse and SoundLens Synergy Initial Fitting Protocol QuickTIP* or the *Halo 2 Initial Fitting Protocol QuickTIP* for information.

Select **Environment Manager** on the left navigation bar.

Devices feature Environment Manager, a series of sound classification and automatic gain adaptation algorithms.

Environment Manager includes adjustments and automatic adaptation for Comfort, Music, and Directionality.

COMFORT

Speech and Noise: Fast-acting noise management and speech preservation system designed to provide comfort in speech in noise situations and reduce listening effort.

NOTE: Adjustment of Speech and Noise available in i2400, i2000, and i1600 devices only. i1200 and i1000 devices allow for adjustment of Noise.

Quiet: Expansion algorithm designed to provide comfort for low-level noise.

Wind: Noise reduction algorithm designed to provide comfort for wind noise when turbulence is detected over the hearing device microphones.

Machine Noise: Noise reduction algorithm designed to provide comfort for loud, steady-state noise.

There are two ways to adjust the Speech and Noise, Quiet, Wind, and Machine Noise controls:

1. Select the **setting value** on the adjustment table. The control will turn blue. Select the **up** or **down** arrows to increase or decrease the amount of noise control; or:
2. Select **Details** adjacent to Comfort to access all of the comfort settings. Select a **higher radio button** for more noise control or a **lower radio button** for less noise control.

To change the Wind Time Constants or Machine Noise Time Constants (speed of engagement): Select **Wind** or **Machine Noise**, then select **Slower** or **Faster**.

NOTE: Adjustment of Time Constants available in i2400 devices only.

	Normal	Quiet	Disabled	Disabled	Stress back Off
Speech and Noise	1	3	---	---	---
Quiet	1	3	---	---	---
Wind	1	3	---	---	---
Machine Noise	1	3	---	---	---
Auto Music	Strength	1	Off	---	---
Directionality	Mode	adapt	longer	---	---

Environment Manager

Environment Manager Comfort

Comfort [Right] Binaural [Left] 1 2 3 4

Speech and Noise: Off 1 2 3 4 Up to 10 dB

Quiet: Off 1 2 3 4 Strong Expansion

Wind: Off 1 2 3 4 Up to 22 dB

Machine Noise: Off 1 2 3 4 Up to 15 dB

Go Live Close

Comfort: Details

AUTO MUSIC

Hearing devices will automatically adjust their settings to provide an optimal music listening experience when music is detected in the environment. Auto Music defaults ON in *Normal, Streaming, Stream Boost, and Auditorium memories. It can be manually enabled in other memories (except the dedicated Music Memory).

NOTE: Use of the dedicated Music Memory is recommended for patients who spend a lot of time listening to music. Refer to the *Music Memory QuickTIP* for additional information.

There are two ways to adjust the Auto Music controls:

1. Select the **setting value** on the adjustment table. The control will turn blue. Select the **up** or **down arrows** to make music signals more robust or less robust; or:
2. Select **details** adjacent to Auto Music. Select a **higher radio button** or a **lower radio button** to make music signals more robust or less robust, respectively.

DIRECTIONALITY (MICROPHONE MODE)

The optimal microphone mode and configuration will be determined as a function of the chosen memory environment. It is recommended to leave the directionality mode at the default settings in most situations. Professional flexibility is provided for adjusting the microphone mode and settings, if necessary.

There are two ways to adjust the Directionality settings:

1. Select the **setting mode** on the adjustment table. The control will turn blue. Select the **up** or **down** arrows to change the directionality mode; or:
2. Select **details** adjacent to Directionality to make adjustments to Directionality Mode, Directionality Plus, Directional Switching, and/or Time Constants.

Directionality Mode: Select the “i” icon for a visual representation of each mode.

- » **Omni** (Omnidirectional): Fixed Response; amplifies sound from all directions equally.
- » **Directional** (Fixed directional): Amplifies sound from in front of the listener more than from behind via a hypercardioid polar plot.
- » **Dynamic** (Omnidirectional and Fixed Directional): Automatic switching between modes based on the environment.
- » **Adaptive** (Acuity Directionality): Automatic, adaptive null steering with Speech ID to protect speech at all angles around the listener.

NOTE: Adaptive directionality not available in i1200 and i1000 devices.

Directionality Plus may be selected to make the Speech and Noise control more aggressive.

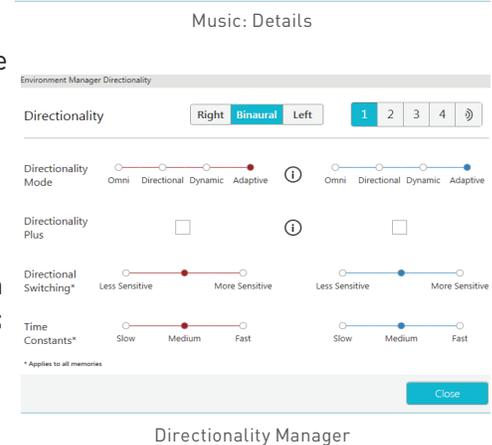
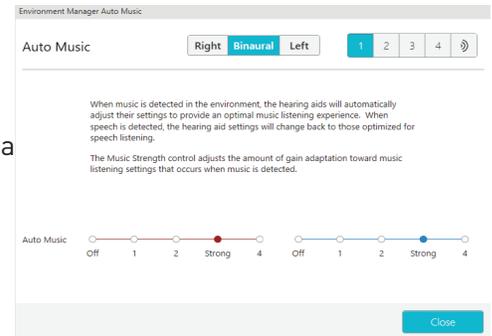
Directional Switching may be adjusted to **More Sensitive** or **Less Sensitive**, to make the hearing devices switch into directional mode more or less often.

Time Constants may be adjusted to **Faster** or **Slower** if the speed of directionality engagement needs to be adjusted.

Auto Music features automatic detection, classification, and adaptation for music.

It complements the manual dedicated Music Memory to form Music Enhancement, a suite of features designed to improve music sound quality.

NOTE: The Auto Music feature and the Music Memory are available in i2400, i2000, and i1600 devices only.



Directionality Plus makes the Speech and Noise comfort feature more aggressive to provide greater assistance in extremely challenging environments. It activates when the hearing device switches to Directional mode.

NOTE: Directional Switching and Time Constants adjustments are available in i2400 devices only. Directionality Plus is available in i2400, i2000, and i1600 devices only.