

TLP Speech and Language Kids 1

(SL Kids 1) #TLP SL002 for Dolby headphone

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Description

TLP Speech and Language Kids 1 for Dolby headphone includes musical selections that were recorded because they were fun, simple in structure, short, and very accessible. Focusing on all of these elements means that a child's attention can more easily be captured and maintained.



SL Kids 1 for Dolby headphone has a significant focus on spatial awareness and sound localization. With new technologies and creative elements in recording and post-production, we are able to provide auditory stimulation in a totally new way than we have ever been able to do before.

One of the main elements that differ from Speech and Language Classic 1 (TLP SL001) is the incorporation of a combination of new processes called Spatial Surround™ (patent pending). By creating Spatial Surround™, the listener is placed in the position of the conductor of an orchestra. In the middle of the orchestra, the conductor will hear sounds more individually, some very close and some a little farther away. Instead of blended sounds as you might hear them in front of the orchestra at a concert, you too will hear sounds more individually as the musicians play them around you. You as the listener can now more clearly determine the spatial properties of the sound.

We add movement to the treatment to create Spatial Surround™ Dynamic. This is accomplished by processing the music in a multi-channel environment that uses five completely independent tracks. This process allows us to move the sound of each instrument around in a 360 degree field.

The relation of the ear and language is today, undeniable. Yet it was Dr. Tomatis who discovered a simple, basic fact, just decades ago. It's known as The Tomatis Effect. *The voice reproduces only what the ear hears.* The Tomatis Effect is held in high regard in relation to our development of Music-Based Auditory Stimulation™. SL Kids 1 has a very significant emphasis on the frequencies fundamental to the reception and production of spoken language by focusing stimulation of the frequency zone from 750-4000Hz. This zone covers the fundamental frequencies for many languages, especially North American English and Latin American Spanish. Frequencies from 750-4000Hz are in the zone where a person has a sense of melody in music. These frequencies affect receptive and expressive language, communication, as well as attention, memory, and control of the singing and speaking voice.

SL Kids 1 for Dolby headphone focuses on the frequencies on the spectrum from 750-4000Hz and imprints them onto the frequency map of the auditory cortex. According to the work of Dr. Tomatis this is considered the language zone, and involves frequencies related to receptive and expressive language, melody, memory, pitch control, voice modulation and control. In addition to the frequency emphasis achieved through band pass filtration of 750-4000Hz, the music and instrumentation were selected for qualities that compliment this portion of the sound spectrum.

Because of the new elements included on SL Kids 1 for Dolby headphone, we wanted a method of audio bursting that matched the effects created with all the new techniques. The timing and frequency of the new audio bursting create sufficient pauses allowing for periodic rest. This adds to active listening by creating anticipation. This increases the novelty of the experience which is important to exciting neurons.

Our growing interest in and use of multi-channel sound allows us to provide the listener with an additional exercise in spatial perception. To provide Spatial Surround™ without further purchase of a Surround Sound system or other audio equipment, ABT has partnered with Dolby Laboratories and is using Dolby headphone technology for this version of TLP Speech and Language Kids 1.

This technology works by creating an acoustical model based on how the ear and brain localize sound. Through its powerful signal-processing algorithm, it generates audio clues modeled from real life. Your ears and brain perceive the sound of a five-speaker home theater system when in fact you are listening over headphones already approved for TLP!

Dolby headphone technology provides several advantages over earlier attempts to provide multi-channel sound via headphones. First, the technology simulates the sound of speakers that are clearly outside the listener's head. This gives the effect of listening in a room where sounds may come from different directions and reflect off various surfaces.

Second, the system is universal to all listeners and does not require special settings to accommodate for individual hearing differences. Third, is its relative simplicity, as the technology can be included directly on our CD with no degradation of quality. And last, no special headphones are required. According to Dolby, their headphone technology replaces the effect of regular headphone listening with a spacious, natural sound field you can enjoy for extended periods of listening.

In previous recordings we have used various techniques to train spatial awareness. The use of our Spatial Surround™ with Dolby headphone technology will further enhance the sound stimulation techniques incorporated in The Listening Program. This completely new form of stimulation provides another vital element that will help the listener gain important clues about their world leading to more accurate processing of sensory information.

Listening Recommendations

While SL Kids 1 for Dolby headphone contains music specially suited for young children, this does not mean that older children or adults will not thoroughly enjoy it. Because of the additional treatments and multi-channel sound, it is a different experience from SL Classic 1. SL Classic 1 has more dominance intensity with the slight right ear weighting. Although SL Kids 1 for Dolby headphone has no right ear weighting it still has intensity from the many dynamic sonic treatments. With the Dolby headphone technology listening compliance is improved as it reduces listener fatigue, due to the more natural listening experience it creates.

Unlike SL Classic 1, SL Kids 1 for Dolby headphone may be used for Preparatory Listening prior to beginning a Standard TLP Schedule. To see if the listener is ready for the Spatial Surround™ Dynamic treatment, have them listen to an A track from SL Kids 1 for Dolby headphone and see if they are comfortable with the movement of the sound.

If so, you may begin use this CD. If they are not, prepare them with SI Classic 1, followed by SI Kids 1, then this CD. Or wait to use this CD until after the first cycle or listening has been completed. You can also begin with Speech and Language Kids 1 for stereo speakers, #TLP SL003.

Encourage the listener to attend to where the sound is in the spatial field. Is it in front and to the right, in back and to the left, moving from side to side, around them clockwise or counterclockwise? At first, many listeners will not be able to localize the sounds. That is a good indication they are in need of this CD. Over time as the listener develops the ability to localize the movement of the sound that indicates that their spatial awareness and sound localization are improving.

Use SL Kids 1 for Preparatory Listening, in Standard Schedule Variations, and independently as needed. Listening times will vary based on the needs of the individual listener.



Speech and Language Kids 1 is appropriate for enhancing receptive and expressive language, sense of melody, pitch discrimination, fluency, voice modulation and control. It may be used during reading activities, quiet or aloud at a low volume. It may also be used in connection with vocal exercises and may have some benefit with second language acquisition. This is a tremendous tool for voice coaches, reading and learning specialists, speech and language pathologists and those working with communication difficulties. It also proves helpful with attention, memory and concentration. Listeners may practice active listening with SL Kids 1 but may also hum, sing or explore their voice during their listening sessions.

For additional listening recommendations review the Listening Schedules PowerPoint Presentation.

Special note concerning headphones

If your clients are investing in headphones for the first time, we recommend that they purchase the higher-end TLP approved headphones to maximize the benefits and for an enhanced listening experience. We suggest the Sony F1 or Grado SR 125 or above headphones that will give an optimal “open-air” experience producing a wide sound stage. In our testing we have found they greatly enhance the new Spatial Surround treatments.

Technical Design

| CD # | Left Channel Balance | Curves |
|--|--|--|
| TLPSL002 | 0 | Steep Curve |
| A Track | B Track | C Track |
| Full Spectrum blended with Band Pass Filter 750-4000Hz | Full Spectrum Audio Bursting Band Pass Filter 750-4000Hz | Band Pass Filter 750-4000Hz blended with Full Spectrum |
| Notes: A and C tracks incorporate Spatial Surround™ Dynamic and Dolby Headphone. B tracks contain variable audio bursting. | |   |
| The Listening Program technical design is patent pending and protected by international copyrights. | | |

Compositions

| Segment 1 | | Time | |
|------------------|---|--|------------------|
| Track 1A | Traditional Irish Montrose | Gaelic Cradle Song Oh My Darling Clementine | (4:49) |
| Track 2B | Traditional Manx Gossec Mozart | Manx Lullaby Gavotte Minuet in G | (5:21) |
| Track 3C | Pleyel Schumann Mozart | Meditation Foreign Lands and People Minuet in B Flat | (4:24) |
| Total | | | (14:34) |
| Segment 2 | | Time | |
| Track 4A | Beethoven Poldini Lichner | Minuet in C Waltzing Doll A Short Story | (5:13) |
| Track 5B | Winner Mozart Mozart Traditional | Little Brown Jug Exuberance Minuet in C I'm a Little Teapot | (5:14) |
| Track 6C | Thomas Brahms Improvisation | Gavotte from "Mignon" Sunday Happiness | (5:20) |
| Total | | | (15:47) |
| Segment 3 | | Time | |
| Track 7A | Bizet Traditional Schuman | Galop This Old Man Happy Farmer | (4:40) |
| Track 8B | Mozart Improvisation | Minuet in B Flat Cheerful Thoughts | (5:30) |
| Track 9C | Bohm Clementi | Moto Perpetuo Sonatina, Spiritoso | (5:08) |
| Total | | | (15:18) |
| Segment 4 | | Time | |
| Track 10A | Mozart Haydn | La ci darem la mano Serenade | (5:07) |
| Track 11B | Bocherini Mozart | Minuet Baa! Baa! Black Sheep | (5:12) |
| Track 12C | Traditional US Dancla Grieg | Animal Song Poetry Morning Mood | (7:47) |
| Total | | | (18:06) |
| CD Total | | | (65:01) |