

# IRIS Tactile Audio Device



Diagrams play a vital role in textbooks, but understanding them can be challenging for visually impaired students.

Tactile diagrams help convey concepts through touch, but they often require a special educator present. With limited availability of such teachers, ensuring individual support for all students becomes difficult.



**IRIS**, developed by Vembi Technologies, revolutionizes self-learning with its tactile audio interface. By numbering and labeling tactile diagrams, IRIS allows students to independently explore and understand diagrams. Simply feel the tactile number, input it into IRIS, and listen to detailed audio descriptions by pressing the corresponding labels on the tactile sheet.

## Benefits



**Diagram Comprehension:** Tactile and audio cues help learn names and detailed descriptions



**Flexible Navigation:** Explore diagrams in any sequence, supporting natural, self-paced learning



**Language Support:** Available in multiple major Indian languages for inclusive learning



**Independent Learning:** No need for constant educator support—students can learn on their own



**Easy Content Creation:** Create and update audio descriptions effortlessly using Antara cloud software



**Accessible:** Bridges the book accessibility gap, creating equal opportunities alongside sighted peers



**Works with all Tactiles:** Supports thermoformed, DIY, and craft diagrams – Our RLF partnership brings brings more content in multiple languages.

## Specifications

Keys	10 (0-9) for entering tactile IDs, with OK/CLR editing keys
Audio	Short-press for label names; long-press for detailed descriptions
Connectivity	Speaker, headphone jack, and volume control knob. Charging: USB-C port
Storage	Built-in 8GB micro SD (non-removable)
Languages Supported	English, Hindi, Kannada, Tamil, Telugu, Punjabi, Odia, Malayalam, Marathi and more
Wi-Fi	Tactile audio descriptions downloadable via Wi-Fi
Dimensions	170mm x 62mm x 25mm (W x D x H); Weight: 160g
Warranty	One-year limited parts and labor warranty



**POWERED BY ANTARA**  
Cloud-based software

- » Simplifies the creation of audio labels and descriptions for tactile diagrams in multiple languages.
- » Accessible through any browser and designed for visually impaired teachers.
- » Built for school environments with powerful analytics to track and improve learning outcomes.

## Awards & Grants



## Partners & Customers



**Vision Empower Trust**  
*Primary outreach partner*



**Raised Lines Foundation**  
*Outreach Partner*



**Microsoft CSR India**



**Centre for Accessibility  
in the Global South**  
*Academic Research partner*



**Touché Technology**  
*Technology partner*



**Cognizant Foundation**



✉ [contact@vembi.in](mailto:contact@vembi.in)

📞 +91 8618 241831

🌐 [www.vembi.in](http://www.vembi.in)

📍 **Vembi Technologies Private Limited**

HD230, WeWork Embassy TechVillage,  
Block L, Devarabisanahalli, Outer Ring Rd,  
Bellandur, Bengaluru, Karnataka 560103

**Vembi**  
TECHNOLOGIES

