

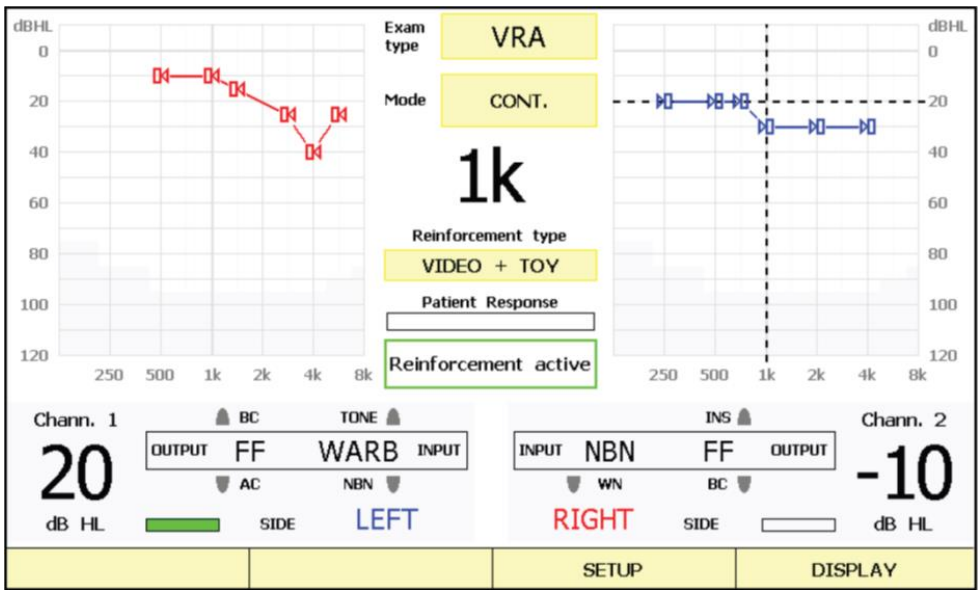
VRA system with Piano

PRODUCT INSIGHTS

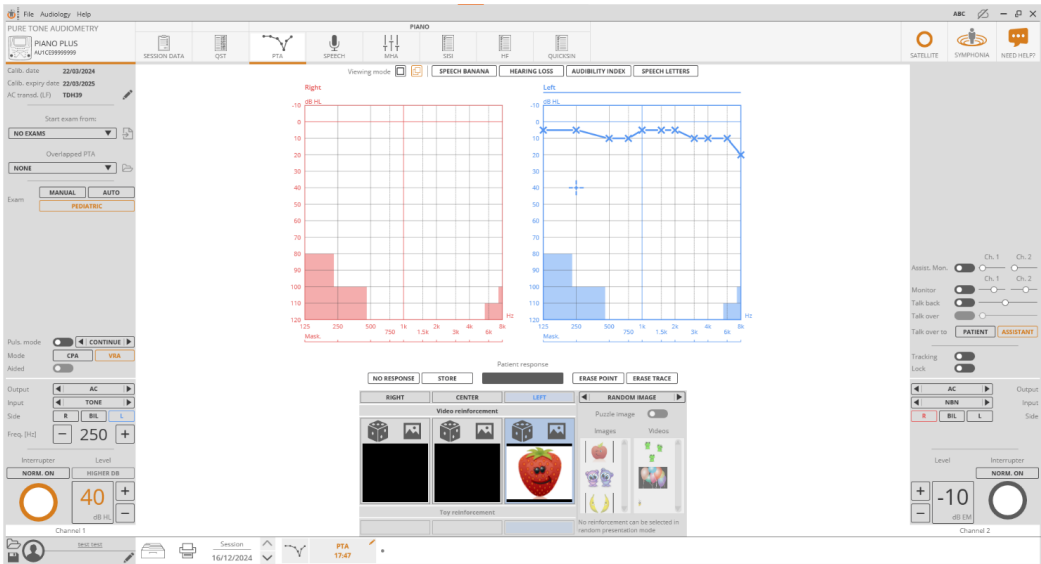
Piano Plus VRA is the enhanced version of Inventis' flagship audiometer, **Piano**, designed to perform **pure tone audiometry** on young patients using the two most common methods: **Visual Reinforcement Audiometry (VRA)** and **Conditioned Play Audiometry (CPA)**.

In addition to offering the full capabilities of Piano Plus, Piano Plus VRA integrates dedicated pediatric tests, making it a versatile and comprehensive tool for audiology professionals. Like all models in the Piano series, it can be operated directly via its dedicated keyboard or controlled through a PC using the **Maestro software**.

The images below illustrate the two operating modes of the Piano Plus VRA: as a stand-alone device and when controlled via the Maestro software. Both configurations ensure seamless execution of pediatric audiometry tests, providing flexibility and precision in clinical settings.



Piano Plus VRA stand-alone interface for Visual Reinforcement Audiometry (VRA). The intuitive display allows easy control directly from the device.



Maestro software interface for pediatric audiometry, showcasing the advanced VRA functionality when Piano Plus VRA is operated via PC.

REINFORCEMENT

Piano offers two types of reinforcement options for young patients: Animated toys and LCD displays. The system is designed to provide seamless integration and control of these reinforcements, ensuring an engaging and effective testing experience.

- Real-time audiogram display with the “Monitor” function
- Selection of reinforcement from the options: “Monitors”, “Toys”, or “Monitor and Toys”
- Control of the child's responses via a webcam

When using **animated toys as reinforcement**, they should be directly connected to the audiometer's back panel. The toys, available in two selectable options, are enclosed in a wooden box with a darkened plexiglass window. When activated, internal LEDs illuminate the plush toy, drawing the child's attention as it lights up. These reinforcement toys can be used seamlessly in both stand-alone mode and when the audiometer is PC-controlled.

Size of the toy: 36 x 33 x 27 cm (H x W x D)

Weight: 5 Kg.



The system provides flexible reinforcement configurations, supporting the use of one, two, or three **LCD displays for visual reinforcement**, along with a separate monitor for the operator. These displays are fully functional when the audiometer is operated through the Maestro software.

If only one display is needed for the patient, the system can be used with almost any computer, either a notebook or a PC, requiring just an additional video output. However, if you opt for two or three displays as reinforcement, an additional video card is required. This setup necessitates a desktop PC with multiple video outputs, as it is incompatible with notebooks.

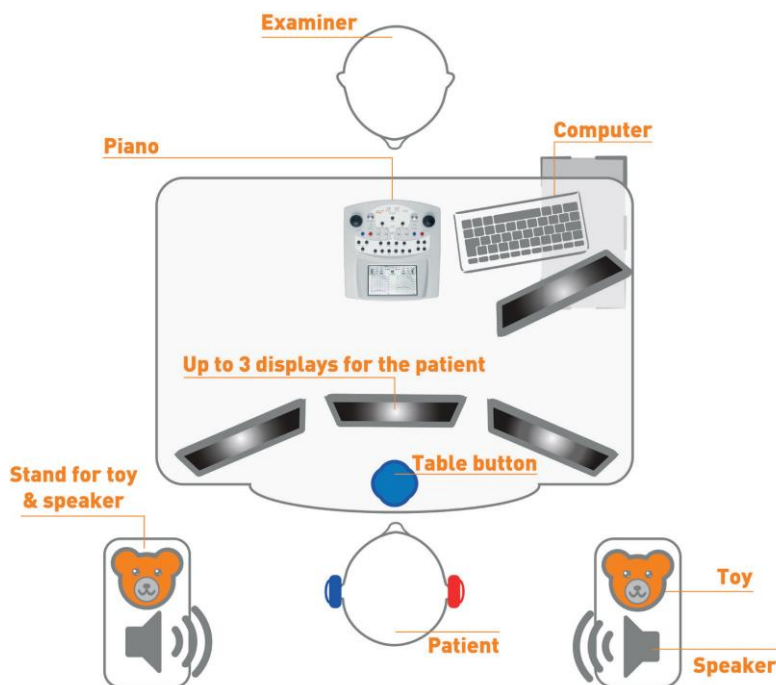
Inventis offers pre-configured computers with four video outputs to support this configuration.

ASSISTANT MONITOR

The Assistant Monitor enables a second operator to actively support the primary operator during testing procedures. This feature allows the second operator to hear the stimuli delivered to the patient and maintain smooth, real-time communication with the primary operator. The Assistant Monitor can be connected directly to the back panel of Piano and activated either through the device itself or via the software interface, depending on the configuration in use. This setup promotes seamless collaboration, improving both the precision and efficiency of the examination process.

SYSTEM CONFIGURATION

The following image depicts a typical configuration for a complete Piano VRA system.



PRODUCT CODES

- 10300: Piano model Plus VRA – Clinical audiometer with VRA exam
- 10306: Piano model Plus VRA - Clinical audiometer with VRA exam - with integrated thermal printer

INCLUDED PARTS

- TDH-39 or DD45 supra-aural headphones
- DD450 headphones (Piano Plus / Plus VRA only)
- B71 bone vibrator
- Patient response switch
- Monitor headset with boom microphone
- Clip-on microphone for patient-to-operator communication
- Plastic cover sheet
- Medical grade power supply
- USB connection cable
- User manual
- Desktop response switch for children
- Assistant monitor headphones
- Three thermal paper rolls (Printer versions only)

OPTIONAL PART ONLY FOR PIANO PLUS VRA (WITH ORDER CODE)

- 10302: Visual Reinforcement for pediatric audiometry – Toy Type 1
- 10303: Visual Reinforcement for pediatric audiometry – Toy Type 2
- 10053: Dedicated table for Pediatric Audiometry systems
- 10307: Stand for toy and speaker
- 10308: Pre-configured mini-tower computer with 4 video outputs - includes the webcam



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