

# VRA PRO 1.0 QUAD SYSTEM



## FEATURES & BENEFITS

### Features:

- Bluetooth Wireless Remote
- Spacing Saving Design
- 4 Separate Side Units Operated with 1 Remote
- Ultra Bright LEDs
- Easy Pairing with Remote
- Centering Box/Mid-Line Distractor Toy Included
- Easy Installation
- No Interconnecting Cables (between side reinforcers)
- No Need for Additional Install Kits or Brackets
- No Need for Additional Sensors
- No Frequency Overlap on Adjacent Systems

## ADVANTAGES OF VRA PRO

Our VRA Pro System was designed with the audiologist and the installer in mind.

Our Bluetooth remote allows for a secure connection, once paired with the remote, it will not get frequency overlap or interference (like in other RF systems) or require other sensors placed around the audiometric booth (like in IR system). It allows for 4 side units and 1 centering reinforcer to operated with a single remote.

Our innovative space saving design sits nearly 3" deeper into the corner than similarly sized rectangular shaped 3D toy VRA systems. When space is at a minimum in a audiometric booth, ours takes up less!

Our system can be installed with 4 screws, plugging into the nearest outlet and running one (supplied) RCA cable to the centering toy. It does not require any interconnecting cables between the two side reinforcers.

## Frequently Asked Questions:

**Q: Can I bill for Visual Reinforcement Testing (VRA) testing?**

**A: CPT code 92579 is used for VRA testing**

**Q: Do I need a specific audiometer to use the VRA Pro?**

**A: No, the VRA pro is operated by an independent stand alone remote, it can be used with any audiometer.**

**Q: Is the VRA Pro Infrared (IR) or Radio Frequency (RF) ?**

**A: It is technically RF, but uses a 2.4GHz (Bluetooth) connection that is encrypted and secure.**

**Q: Will I get interference if I have multiple VRA Pros installed in adjacent Rooms?**

**A: It will not have the same interference as other RF (900 MHz) systems on the market. It also does not require any IR sensors to be placed around the room, like all IR systems on the market.**

**Q: Can I have more than just 2 side reinforcers and 1 centering toy?**

**A: Yes, our system can operate up to 4 separate reinforcers (2 right and 2 left) and the centering toy with the same remote control.**

CONDITIONED PLAY  
INNOVATIONS  
VRA Systems



Consumer/Audiologist



**VRA PRO 1.0 Quad System Pictured**

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# QUAD VRA PRO 1.0 SYSTEM

## SYSTEM COMPONENTS



### Quad System VRA Pro 1.0 System

- 4 Side reinforcers (2 left and 2 right)
- 1 Centering Toy/Midline distractor
- 1 wireless remote (2-AA batteries included)
- 2 power supplies with extensions for side units
- 25' RCA cable for center toy power
- Installation kit: 20 Sheet metal screws, zip ties, adhesive tabs, installation template for side units (NOT PICTURED)
- Quad System Power Expansion Power Cables

Consumer/Audiologist



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## RECOMENDATIONS ON VRA SYSTEMS

- Reinforcers should be located within a obscured cabinet by a smoked screen so that the toys are not visually attractive without illumination.
- Remote should be able to independently control animation and illumination of the toys.
- Ideally, at least two independently controllable toys should be provided (one for each side of testing).
- Loudspeakers should be positioned at 90° azimuth, and at least 1 meter from, the test position to each side. The speakers should be approximately level with the child's head, this provides the most efficient means for conditioning behavioral responses and establishing minimum response levels. A 90° response is less ambiguous for an audiologist to observe compared to a 45° head turn.
- Reinforcers should be poisoned as close to the 90° as possible. 90° azimuth is used in order to elicit the clearest head turn. Reinforcers should be located in close proximity to the loudspeaker in order to aid in conditioning when using sound field stimuli.
- Reinforcers should be positioned to both sides, this allows the children to be rewarded on their preferred side (e.g. useful when testing through inserts or through bone conduction).
- Midline Distractor: Following the child's head turn towards the reinforcer, a midline distractor (centering toy) or test assistant can serve the function of returning the child's attention and gaze to midline.
- Patient preparation-Child can be seated in a highchair or when preferred, in a care-giver's lap. Parents should be cautioned not to cue their children when a stimulus is presented.

### References:

Audiologic Guidelines for the Assessment of Hearing in Infants and Young Children, Aug 2012.

[http://www.thebsa.org.uk/wp-content/uploads/2014/04/BSA\\_VRA\\_24June2014\\_Final.pdf](http://www.thebsa.org.uk/wp-content/uploads/2014/04/BSA_VRA_24June2014_Final.pdf)

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