FLEXI VRA

Video. Toy. Lights. Custom Content. One System.
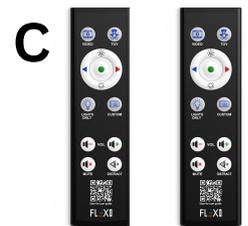

User Manual & Service Manual
Software Version 2.0
Generation 2 Zoned Radio Frequency (RF)

Installation Guide

Watch a short installation demonstration at
www.flexvra.com/install

A Right VRA Monitor   Left VRA Monitor

C

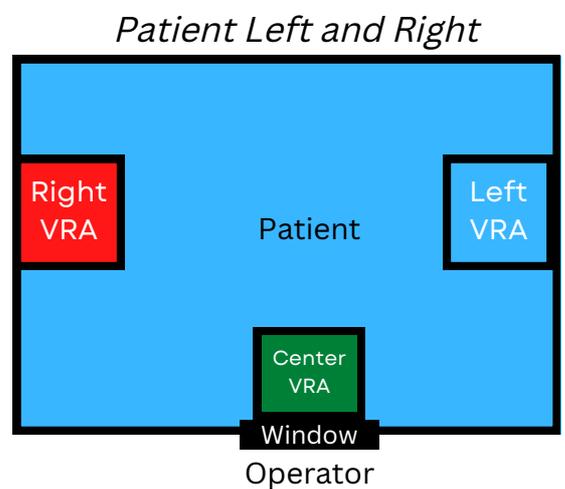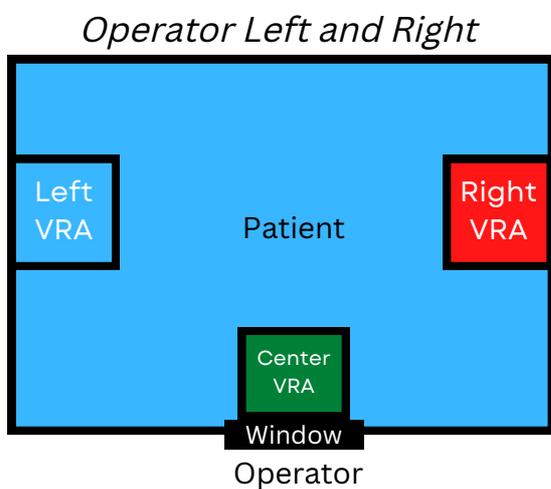**B** *Optional* Center VRA Monitor

D

E

F

WHAT'S INSIDE?

DESCRIPTION	QTY
A. Left/Right Monitors w/ Power Cord	2
B. Center Monitor w/ Power Cord	1
C. RF Remote Control	2
D. Package of Cable Clips	1
E. Wall Mounts	Up to 3
F. Flex VRA Light Up Wand for Distract	7

1 Identify where the left, right and center VRA monitors will be located.

-Should the VRA's be setup "patient left/right" or "operator left/right"?

-What orientation are the speakers currently using? VRA side should match the speakers.

Operator Left and Right

Left VRA		Right VRA
	Patient	
	Center VRA	
	Window	

Operator

Patient Left and Right

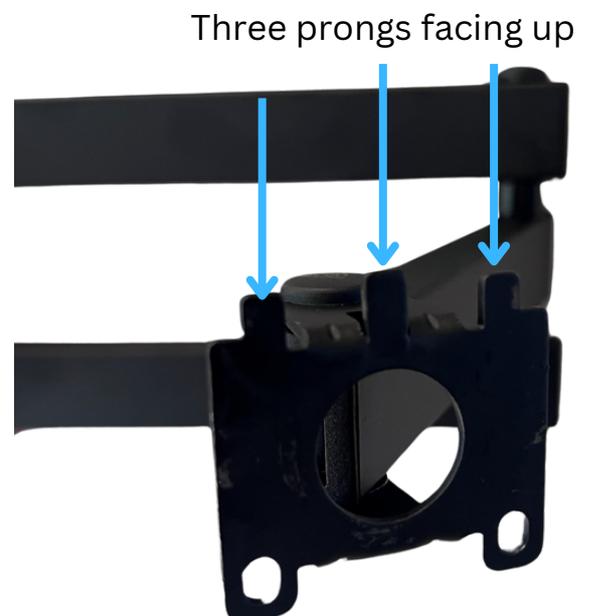| Right VRA		Left VRA
	Patient	
	Center VRA	
	Window	

Operator

2 Using the supplied wall mounts, secure the mount arm to the booth wall (threaded screws are supplied in the wall mount packaging). Make sure that the prongs are facing up when mounting to the wall.

Three prongs facing up

PRO TIP

Each VRA's "side" is stored in the service menu software. In the event the VRA is on the wrong side, you can easily change the side in the software after mounting. YOU DO NOT NEED TO UNINSTALL THE MONITORS AND PHYSICALLY SWITCH THEM AROUND.

To change side, tap the monitor and select the blue "Service" icon. In service, select the side it should be.
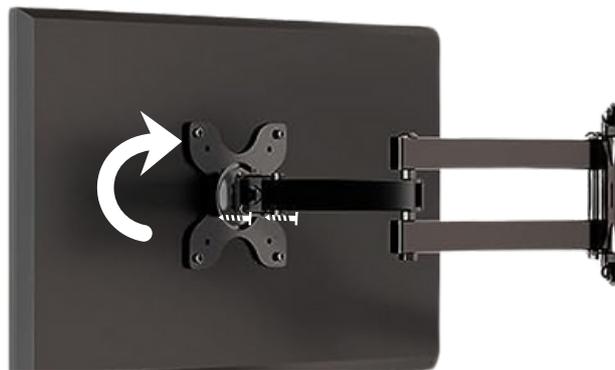
3 Determine if landscape or portrait position would be most appropriate for the testing area. Then, slide the metal bracket attached to the back of the monitor onto the bracket arm. Use the two securing screws in the mounting bag to bind the monitor to the wall mount.

Landscape

Portrait

Mount can rotate and two securing screws

PRO TIP

Flex VRA monitors default to being set into landscape mode. If portrait mode is desired, change this setting in Flex Setup.
Accessing Flex Setup: Once the monitor has booted up, touch the screen to reveal the on-screen display. Touch "Setup" icon on the far right menu. In setup under Monitor Information, select portrait. Then press, "Play VRA" at the bottom right corner of the screen.
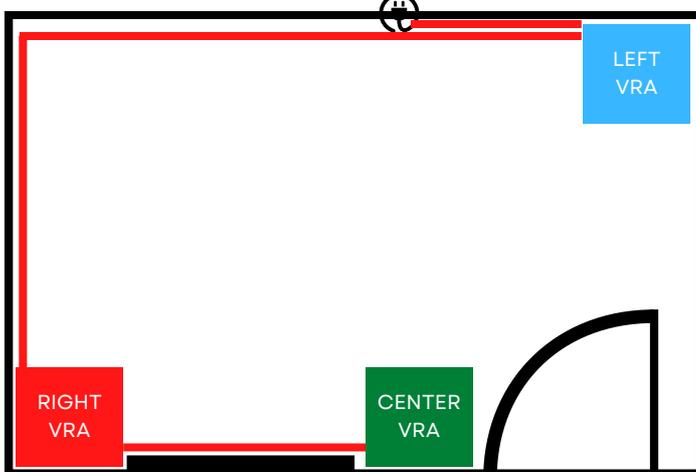
4

Using the power supplies, plug in the power cable to a wall outlet and connect the barrel connector from the power cable into the bottom of the monitor. The VRA monitor will automatically start up once power is connected.
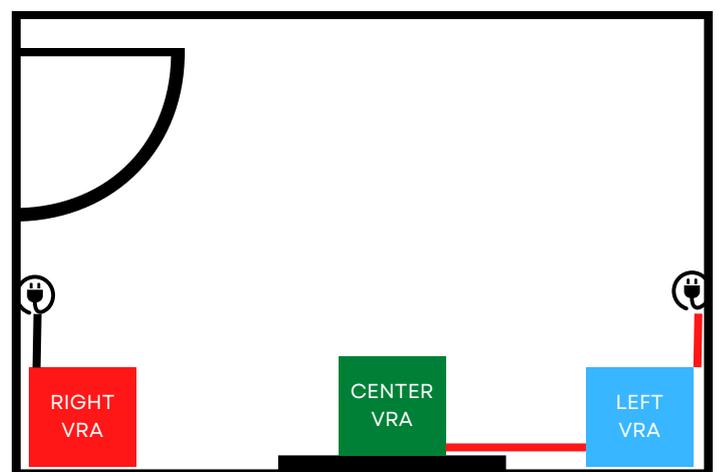
PRO TIP

If access to enough power outlets is out of reach or limited, utilize the supplied 20 ft. extension cables to allow for power throughout the booth. Each extension cable has a rotating power plug and three outlets. With the multiple outlets, you can use these cables to daisy chain power around the booth to power up to 3 monitors on one power outlet. See examples below.

Three monitors powered by one outlet

LEFT VRA

RIGHT VRA

CENTER VRA

Three monitors powered by two outlets

RIGHT VRA

CENTER VRA

LEFT VRA

5

With all monitors hung and plugged in, allow the monitor to boot up (you will hear a series of tones and the screen will go black). Using the supplied remote, test that all of the monitors activate accordingly. You have successfully installed the Flex VRA!

User Guide: The Remote

Watch a short user guide video at www.flexvra.com/howto

The Flex VRA remote allows the operator to change stimulus types during the hearing test. Each stimulus was designed to be engaging, novel, and approachable to a variety of ages.

Video: Accesses a variety of animations and live animal videos with sound.

Toy: Accesses videos designed to look like toys moving in a light up box.

Lights Only: Will only activate the built-in running LED light bar.

Custom: Access custom content uploaded to the system. To cycle through videos, press custom again to advance the content.

 : Turns ON the LED light bar.

 :Turns OFF the LED light bar.

Vol Down: Increases volume.

Vol Up: Decreases volume.

Mute: Mute/Unmute the volume.

Distract: Toggles activation/deactivation of distract mode. Press "Distract" once to have the stimulus turn on and stay on. This can give the patient something to watch while performing tasks that require them to be still (Tympanometry, OAE, Otoscopy).

Flex VRA utilizes a zoned radio-frequency (RF) wireless protocol that operates on 433 mHz. This means that once we bond a remote with a receiver USB, they will remain in communication forever unless they should be manually unpaired in the future.

Up to 6 USB receivers can pair to 2 remote controls and 1 GSI Audiostar Pro cable simultaneously.

CLEARING REMOTE

RedLight Flash x3

To completely erase all pairing data from the remote control, hold down the Light On Button ☀ and the Custom Button 🔲 together for 5 seconds. Once the red light flashes 3 times, the remote has successfully been cleared.

Note: Doing this procedure will remove all connected USB receiver data from the remote control. You will need to repair all receivers that you want to communicate with this remote.

CLEARING USB RECEIVER

To erase remotes pairing data from the USB receiver, hold the pairing button on the USB for three seconds and release. The red light inside the USB receiver will flash three times. The USB receiver is now cleared and can repair to up to 2 new remote controls and 1 Audiostar Pro cable.

Pairing Button

PAIRING REMOTE TO USB RECEIVER

STEP ONE

Slow Blinking Red Light

Pairing

Hold down the Light On Button ☀ and the Lights Only Button 💡 together for 5 seconds. Once you see a red flashing light at the top of the remote, you have entered pairing mode.

STEP TWO

While the remote is in pairing mode (flashing red light) give a quick press on the pairing button on the receiver USB.

Note: Holding the pairing button for three seconds will clear any pairing data from the USB receiver.

Pairing Button

STEP THREE

Yellow Light Flash

After pressing the receiver USB button, the remote will continue to flash the red light 3-4 times and then it will flash yellow. This signifies that pairing has been successful!
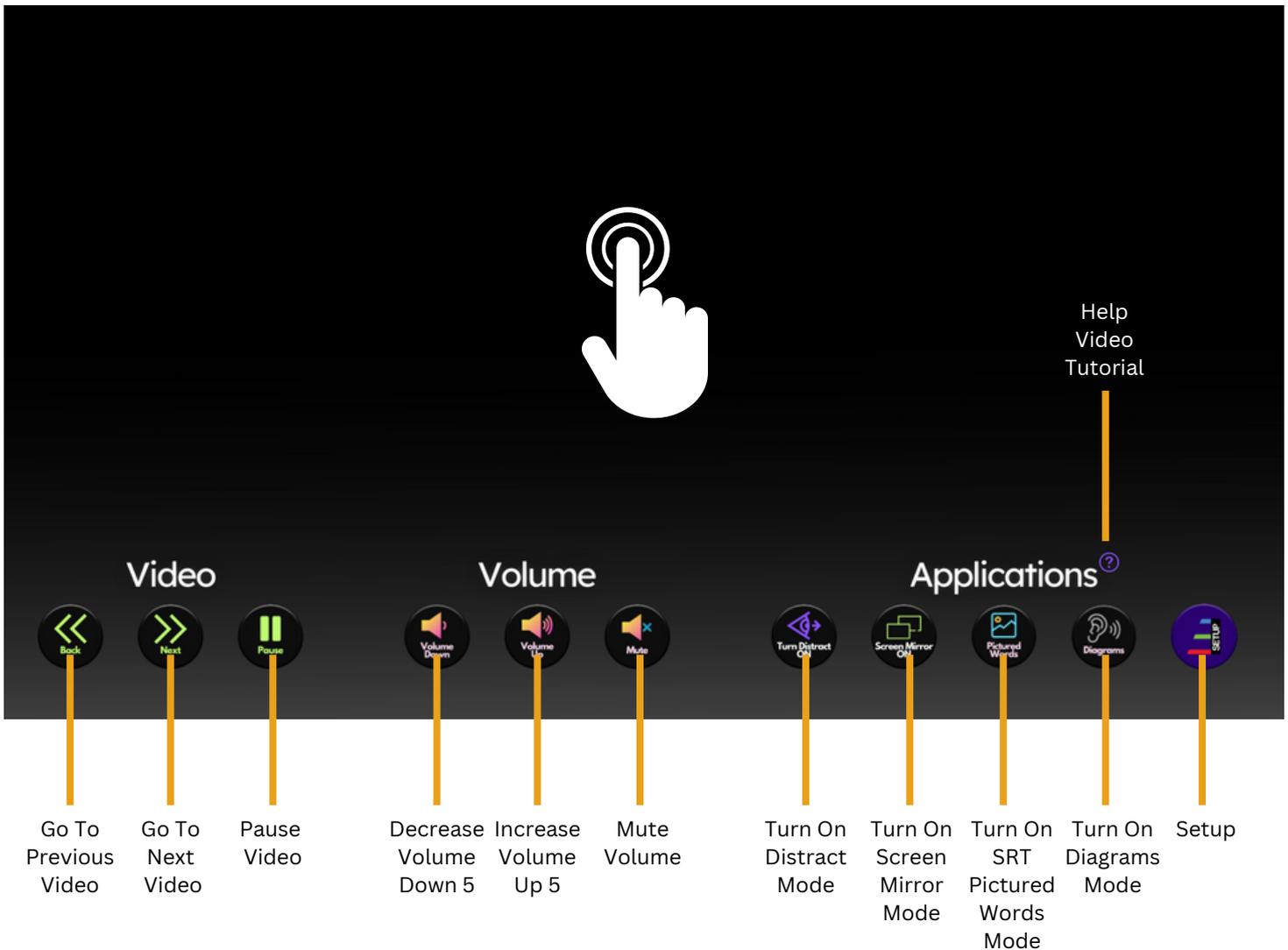
PRO TIP

If desired, each remote can be setup to operate on 8 different channels. This should only be used in the extremely rare case that another non-VRA device should interfere with the remote control. To set the remote to a new channel, hold down the Lights Off and Volume Up key for 5 seconds and the light begins to flash. Then proceed with pairing.

User Guide: On-Screen Display

The On-Screen Display (OSD) is a powerful tool that allows the user to easily change individual settings on a monitor or access one of the built in applications.

By default, you can access the OSD by touching anywhere on the monitor.

If you would prefer that the OSD not be as easy to access (if the monitor is within reach of the paitent that might touch it incidentally), you can change access by going into Setup>System Settings>Select hold finger down in the top left-hand corner to access OSD.

Help Video Tutorial

Video

Back	Next	Pause
Go To Previous Video	Go To Next Video	Pause Video

Volume

Volume Down	Volume Up	Mute
Decrease Volume Down 5	Increase Volume Up 5	Mute Volume

Applications

Turn Distract On	Screen Mirror On	Pictured Words	Diagrams	Setup
Turn On Distract Mode	Turn On Screen Mirror Mode	Turn On SRT Pictured Words Mode	Turn On Diagrams Mode	Setup

PRO TIP

The OSD can be accessed while distract mode is active. This allows the user to turn distract mode on and off inside the booth without the use of the remote control.
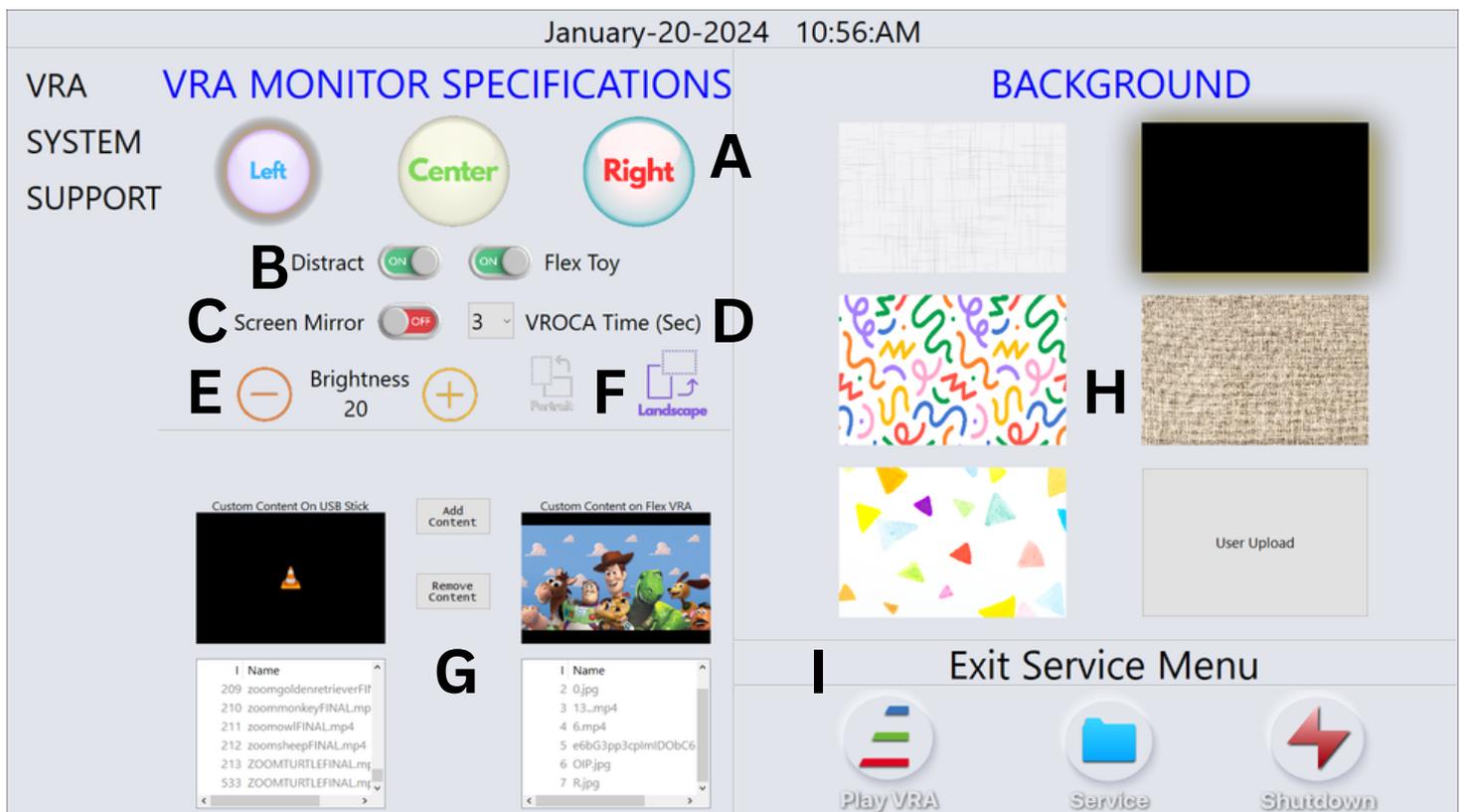
Flex Setup contains all the settings that can be customized on your VRA. In the setup, you can do the following:

A. Change what "side" the monitor is (Left, Right, or Center)
B. Enable or disable Distract Mode on this monitor
C. Enable or Disable Screen Mirror (Screen Mirror needs to be purchased for this feature)
D. Set activation time when the Flex VROCA wireless button is pressed
E. Change the brightness of the monitor
F. Change the orientation of the monitor (landscape or portrait)
G. Upload custom content from a USB stick
H. Change the static background used when the VRA is not activated (defaults to black)

To exit the Setup Menu and return to VRA, press the "Play VRA" button (I).

PRO TIP

You may see some options such as Flex Toy, Portrait/Landscape mode, or Brightness missing from the menu if you've upgraded your software on an older Generation 1 Flex VRA monitor. Certain features are currently Gen 2 monitor specific or IR remote specific. Questions? Email sales@flexvra.com

User Guide: Custom Content

Watch a short user guide video on uploading custom content at
www.flexvra.com/howto

Flex VRA allows the user to upload various forms of custom content to be used for reinforcement when the Custom Button is selected.

The following content types are able to be uploaded to the Flex VRA:
Video: .mov, .mp4, .avi, .mpeg
Pictures: .png, .jpg, .jpeg, .bmp (Flex will automatically add sound to picture files)

STEP ONE

Insert a USB stick on a separate computer copy the images you want to use onto the USB stick. For best image quality in VRA, look for large and high resolution images so that the picture is clear when displayed in full screen on the VRA.

Once all of the images you wish to utilized have been copied onto the USB stick, remove the USB from your computer and insert it into a Flex VRA monitor.
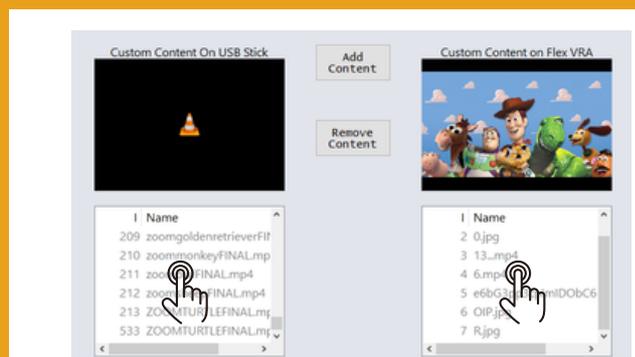
STEP TWO

Touch your Flex VRA monitor so that the on-screen display appears. Press the Flex Setup Button to enter the Flex VRA Setup menu.

In Flex Setup, you can find the Custom Content section. Here, you can double tap on the files on your USB or VRA to preview the content. Using the "Add Content" and Remove Content" buttons, move the desired content onto the Flex VRA.

Once complete, press the "Play VRA" Button and verify the content displays when Custom is selected.
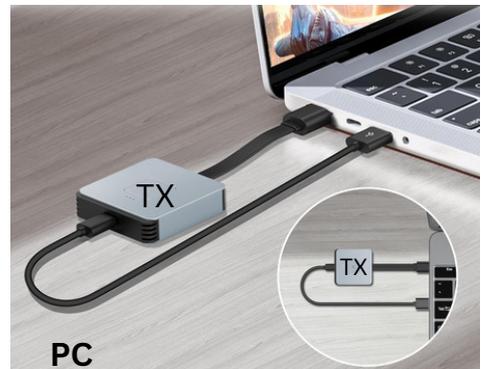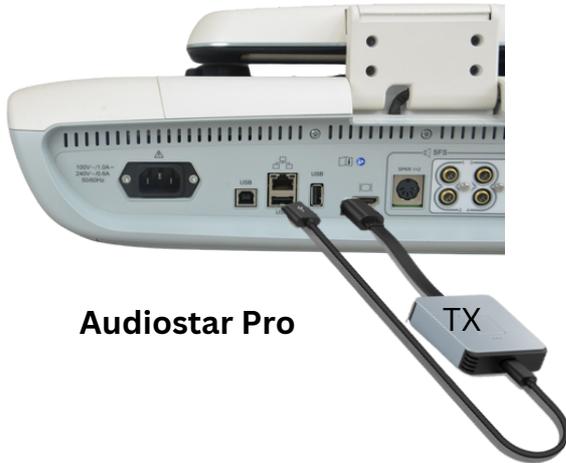
User Guide: Screen Mirror

Screen Mirror displays any HDMI video source on your Flex VRA screen.
Utilizing the wireless HDMI kit, installation is simple and automatic with no need for an HDMI cable between the video source and the Flex VRA monitor.

This is a valuable counseling tool for the clinician to use in circumstances such as mirroring the audiogram (from a PC or GSI Audiostar Pro) or to operate the audiometer or PC from inside the booth utilizing a wireless mouse and/or keyboard.
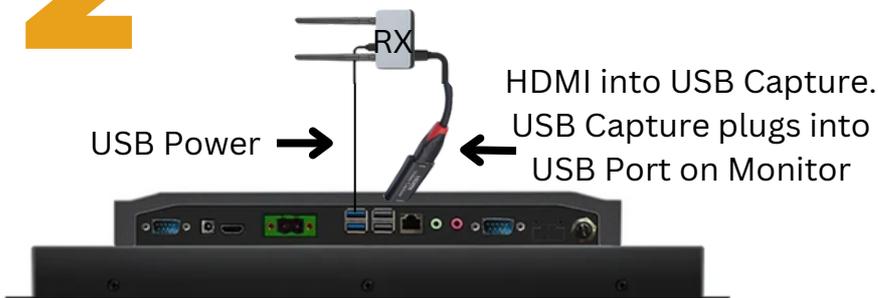
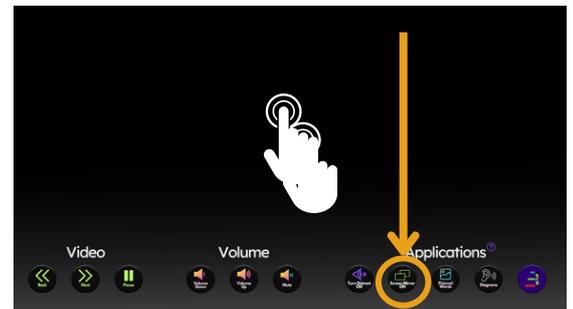## INSERT TRANSMITTER (TX) INTO SOURCE

1

Audiostar Pro

TX

TX

PC

TX

INSERT RECEIVER (RX) INTO FLEX MONITOR

2

RX

USB Power →

← HDMI into USB Capture.
USB Capture plugs into
USB Port on Monitor

3

Once connected, tap on your Flex monitor and select "Screen Mirror" to see your video source.

Video   Volume   Applications

PRO TIP

Once Screen Mirror is displayed, you can exit Screen Mirror mode by touching the "Screen Mirror Off" icon on the top left corner of the Flex VRA Screen.

Screen Mirror OFF

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Service and Warranty Statement

Flex VRA warrants its products against defects in workmanship and materials for a period of **12 months** from the date of shipment (regardless of any subsequent sale of the products).

This warranty is void if the product is misused, altered, tampered with or is installed or used in a manner that is inconsistent with Flex VRA's written recommendations, specifications and/or instructions, or fails to perform due to normal wear and tear.

Flex VRA is not liable for special, indirect, incidental, consequential or other damages including, but not limited to, loss, damage, personal injury, or any other expense directly or indirectly arising from the use of or inability to use its products either separately or in combination with other products.

The sole and exclusive remedy under this warranty is limited, at the option of Flex VRA, to replacement of the defective product. All allegedly defective Flex VRA products must be returned prepaid transportation to Flex VRA at:

Flex VRA
100 E. Whitestone Blvd., St. 148, #160
Cedar Park, TX 78613

Steve Smith, Owner
Flex VRA
steve@flexvra.com