

FLEXO HALO

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

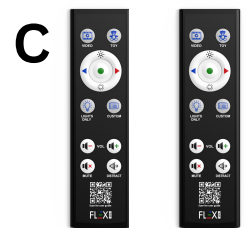
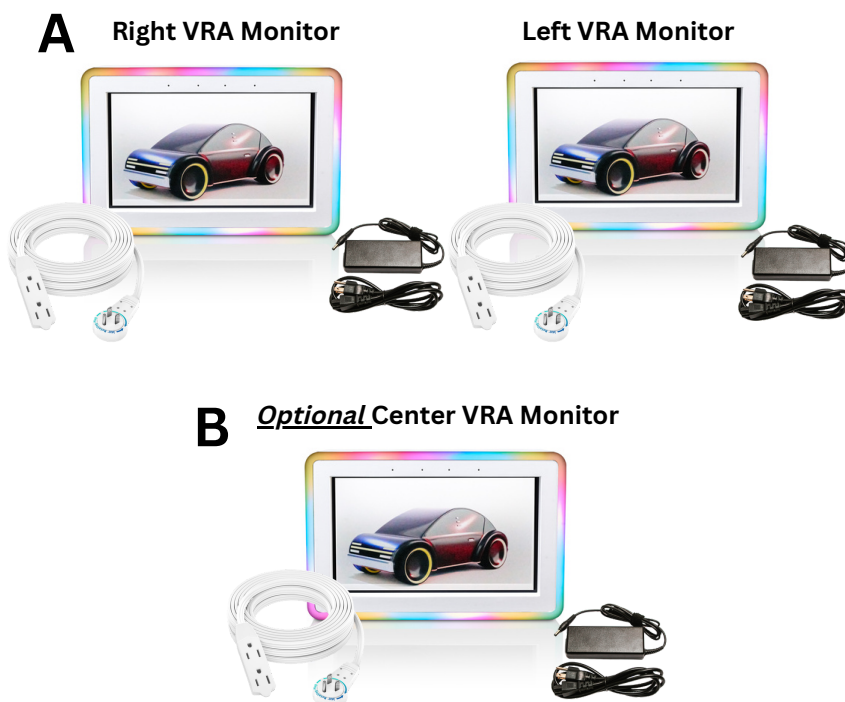
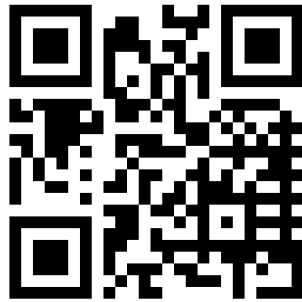


User Manual & Service Manual

Software Version 3.1
Generation 2 Zoned Radio Frequency (RF)

Installation Guide

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



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. User Manual.....	1
E. Wall Mounts.....	Up to 3
F. Flex VRA Light Up Wand for Distract.....	7

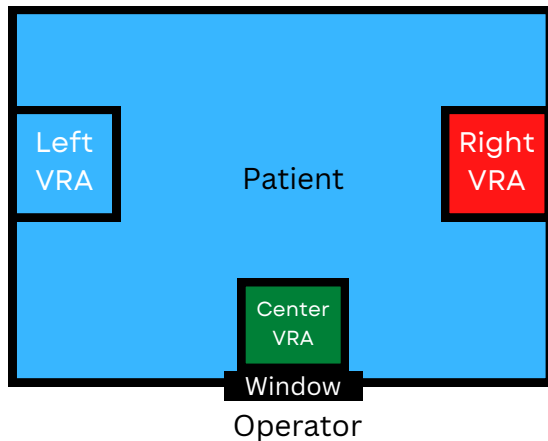
Installation Guide (cont.)

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

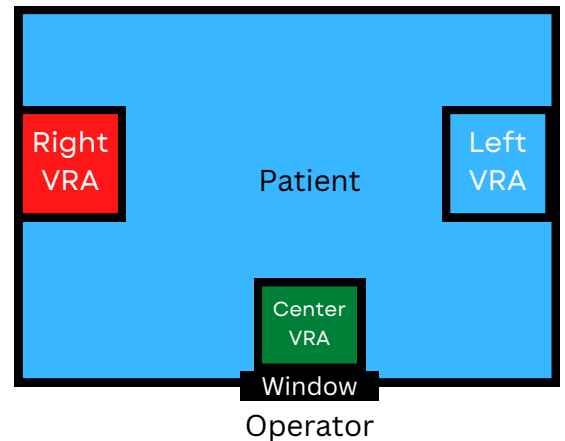
-Should the Halo's be setup "patient left/right" or "operator left/right"?

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

Operator Left and Right



Patient Left and Right



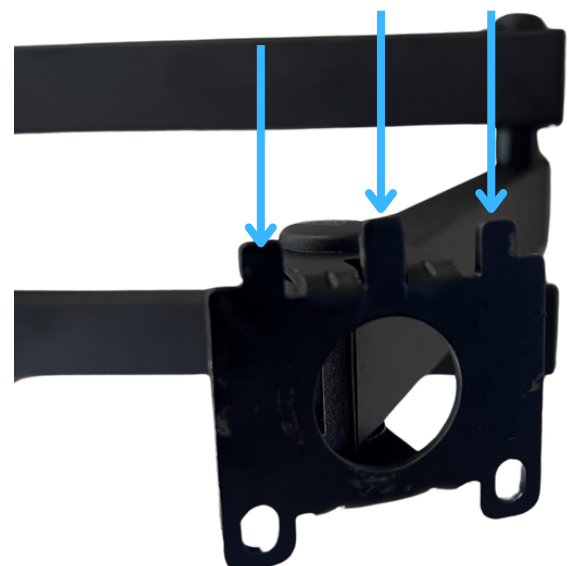
2 Using the supplied wall mounts, secure the mount arm to the booth wall (threaded screws are supplied in the wall mount packaging). Make sure that the prongs are facing up when mounting to the wall.

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.

Three prongs facing up



Installation Guide (cont.)

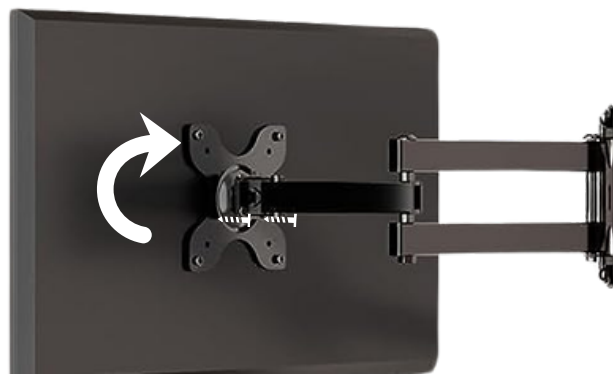
3 Determine if landscape or portrait position would be most appropriate for the testing area. Then, slide the metal bracket attached to the back of the monitor onto the bracket arm. Use the two securing screws in the mounting bag to bind the monitor to the wall mount.



Landscape



Portrait



Mount can rotate and two securing screws

PRO TIP

Flex Halo monitor box defaults 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.

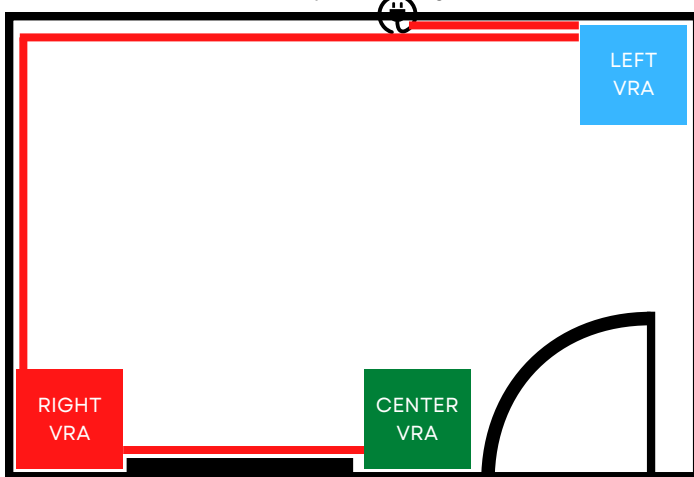
Installation Guide (cont.)

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 Halo will automatically start up once power is connected.

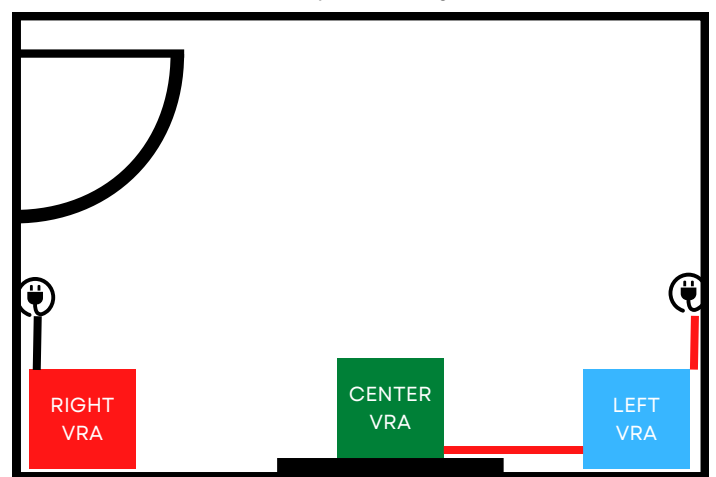
PRO TIP

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



Three monitors powered by two outlets



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 on the monitors

Toy: Accesses videos designed to look like toys moving in a light up box. If a Flex Toy is installed with Flex monitors, it will enable Flex Toy.

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

Custom: Access custom content uploaded to the monitors. 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: Decreases volume.

Vol Up: Increases 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).



The Remote

VIDEO

Display videos of cartoons and live-animals while an activation button is held down.

LIGHTS ON/OFF

Turn on (top button) and off (bottom button) the 360 degree LED light bar while playing video content.

LIGHTS ONLY

Activate the 360 degree light bar only while an activation button is pressed down.

VOLUME CONTROL

Volume up, down, and mute control of the VRA monitors.

TOY

Display videos of toys while an activation button is held down.

ACTIVATORS

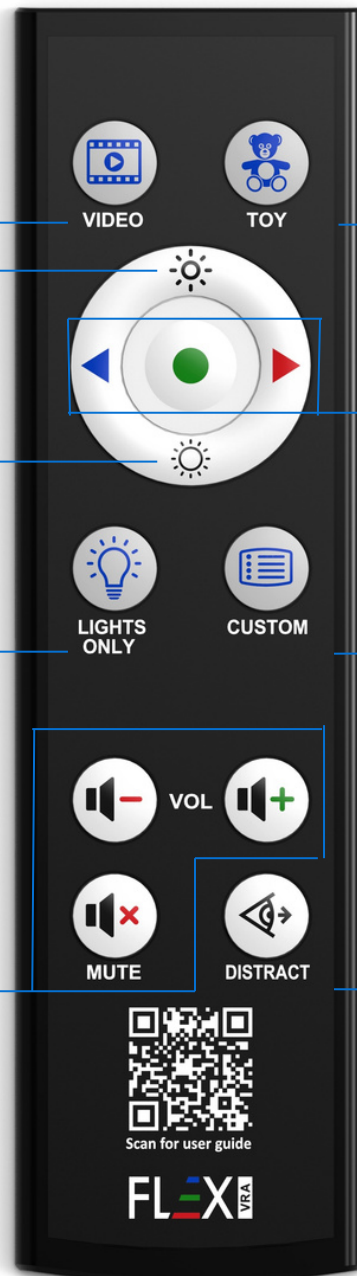
Left (Blue), Right (Red), and Center (Green) activation buttons.

CUSTOM

Display user uploaded custom content while an activation button is pressed. Custom content comes standard with preloaded Hey Bear Sensory content.

DISTRACT

Toggle the VRA monitor on to use as a focal point to keep patients still during tympanometry, otoscopy, or otoacoustic emissions testing.



User Guide: The Remote

Pairing and Unpairing

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

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.

RedLight Flash x3



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

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.

Slow Blinking Red Light



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

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!

Yellow Light Flash



PRO TIP

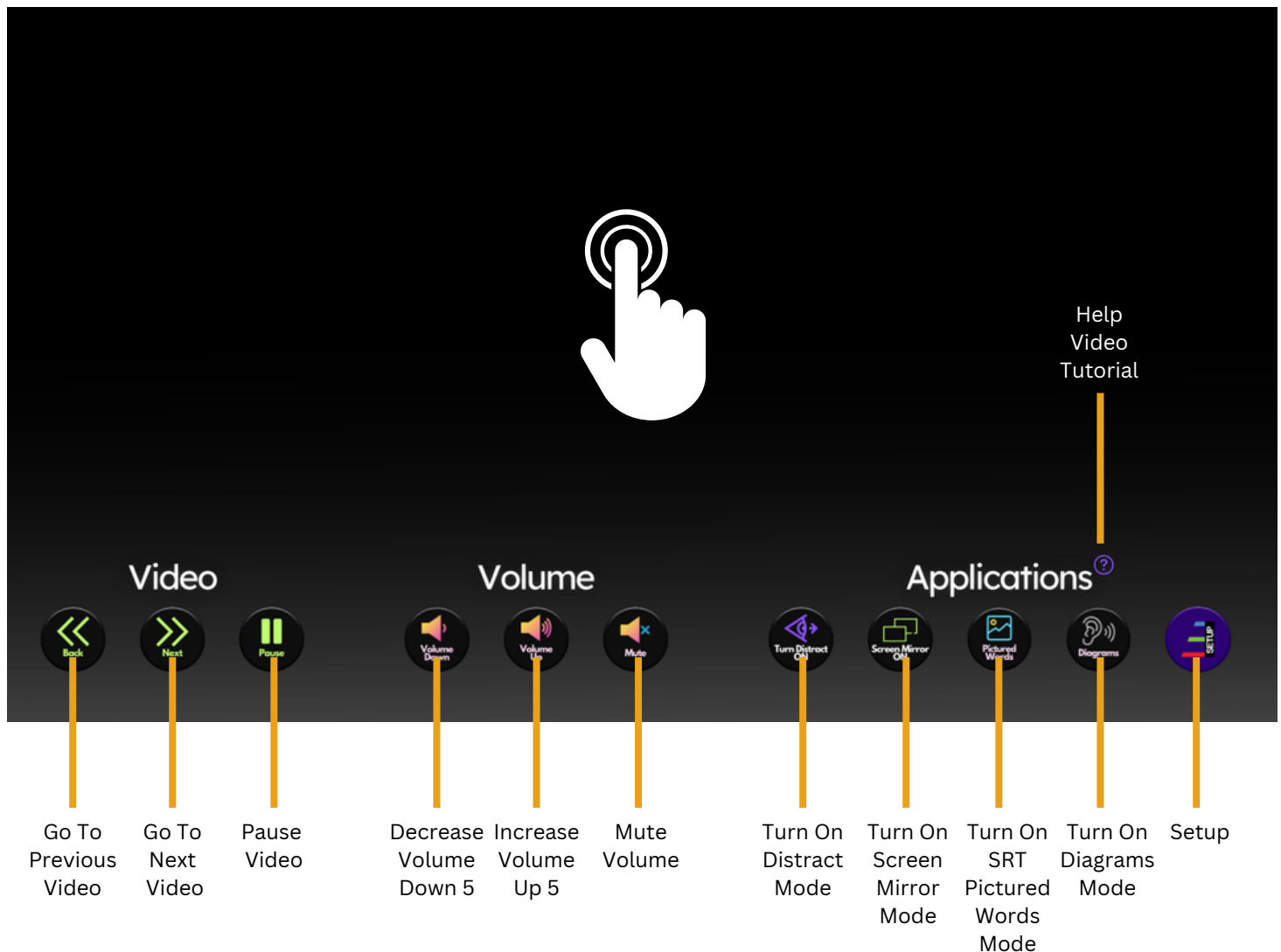
If desired, each remote can be setup to operate on 8 different channels. This should only be used in the extremely rare case that another non-VRA device should interfere with the remote control. To set the remote to a new channel, hold down the Lights Off and Volume Up key for 5 seconds and the light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



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.

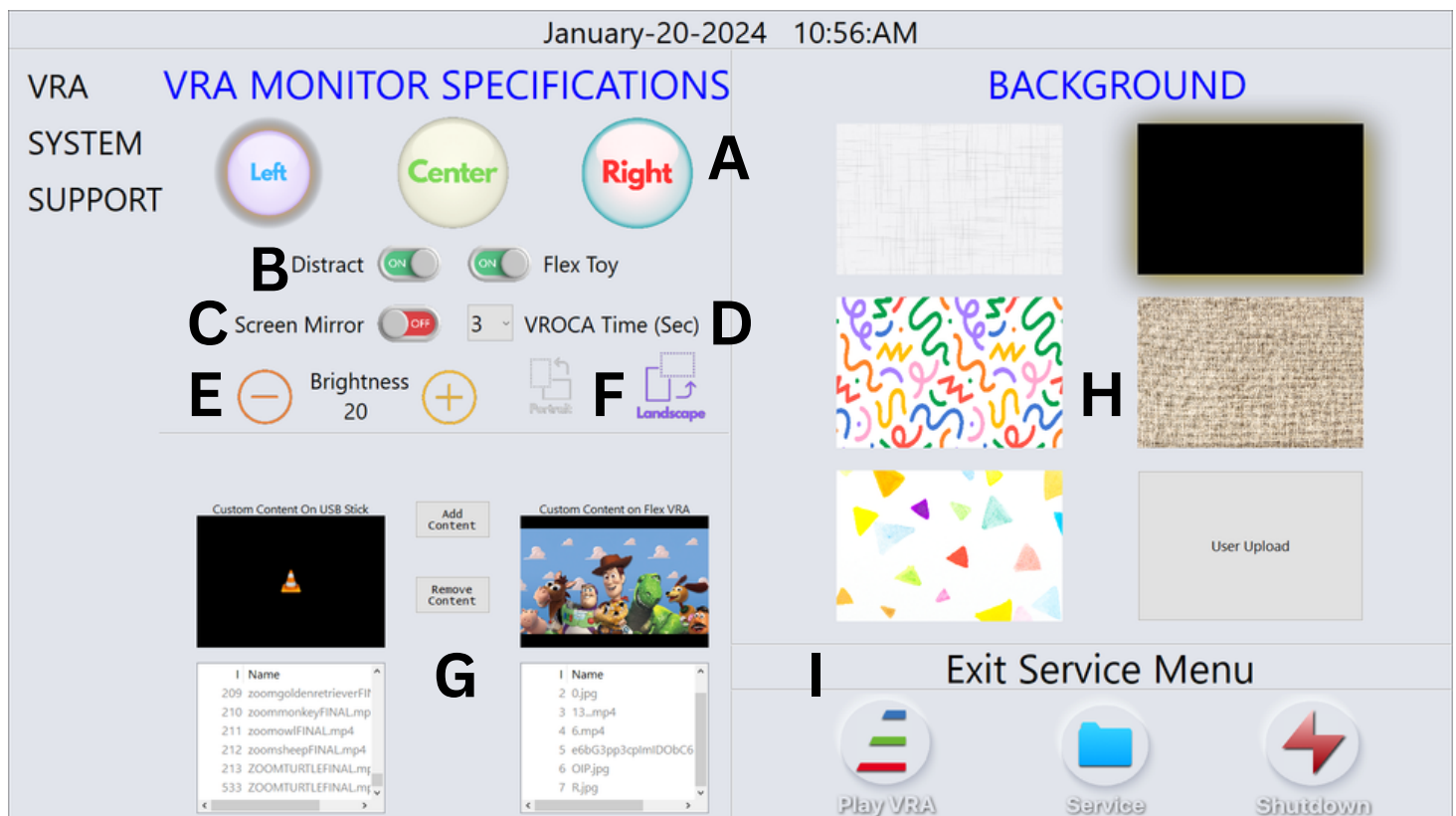
User Guide: Flex Setup Menu



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 use have been copied onto the USB stick, remove the USB from your computer and insert it into a Flex VRA monitor.

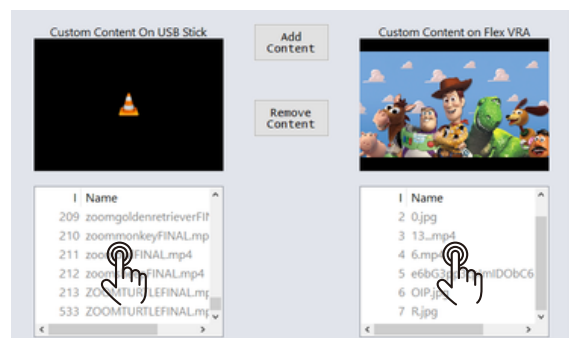
Touch your Flex VRA monitor so that the on-screen display appears. Press the Flex Setup Button to enter the Flex VRA Setup menu.



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.

STEP TWO

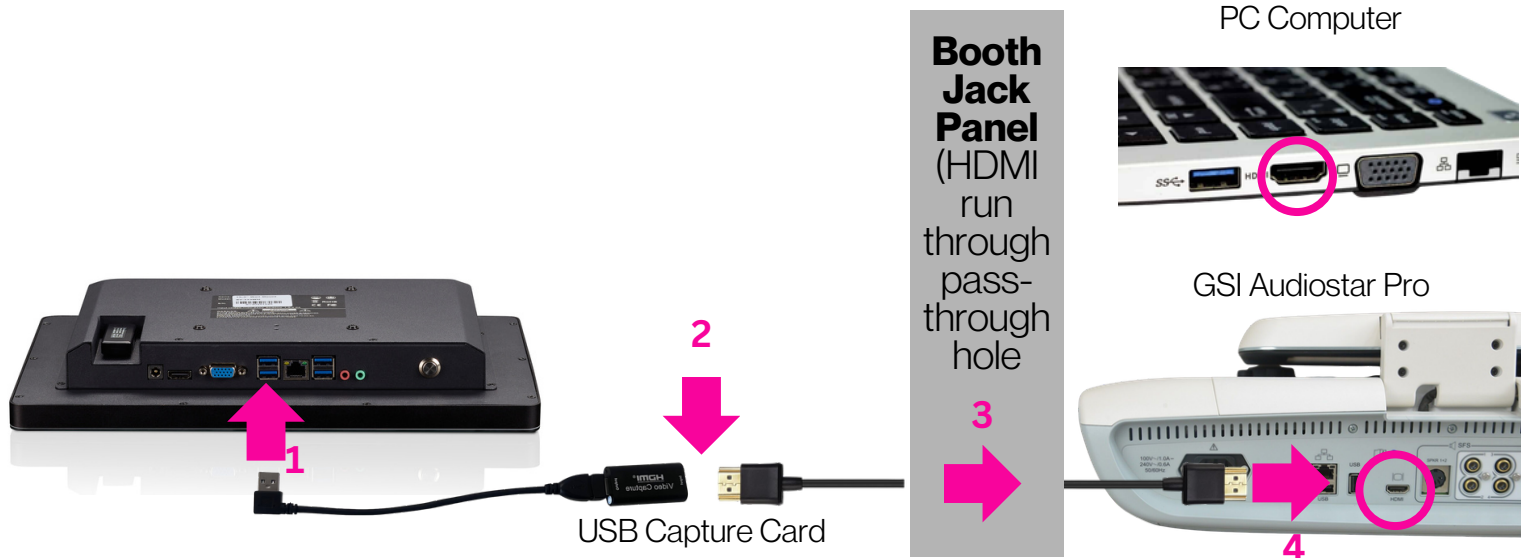


Turn your VRA into an External Monitor

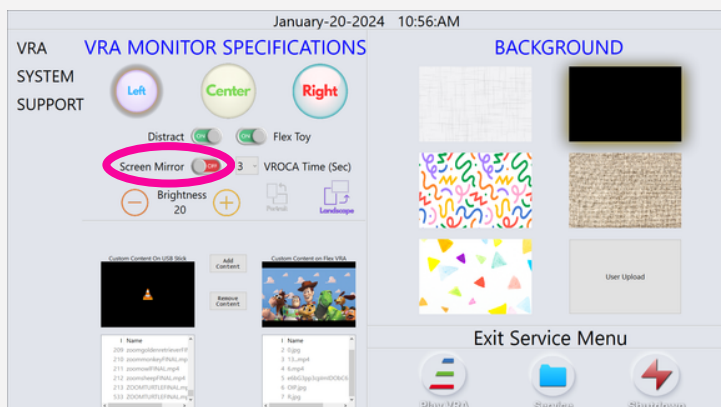
Note: Screen Mirror is only mirroring the video source to the VRA monitor. It does not allow for touch inputs on the VRA monitor to be passed back to the video source (GSI Audiostar or PC). If remote control of the video source is desired, it's advised to utilize a wireless mouse and keyboard plugged into the video source.

Installation

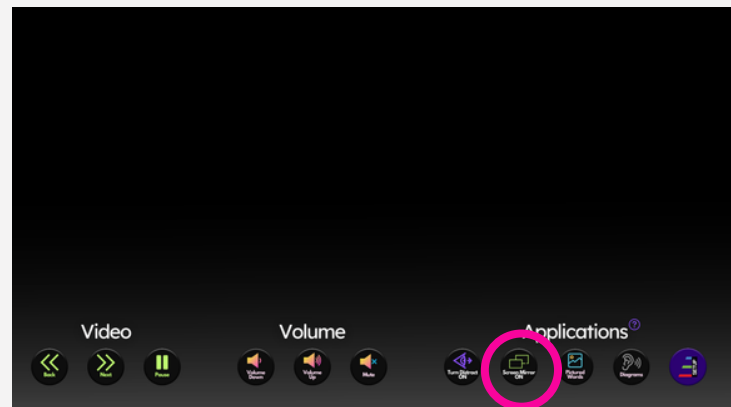
1. Determine which Flex VRA monitor will be used for screen mirror (the Left, the Right, or the Center). Plug in the video capture card connected to the USB cable into an open port on the monitor.
2. Connect one end of the 15 ft. HDMI cable into the USB Capture Card.
3. Run the other end of the HDMI cable through the pass-through hole of the jack panel to the operator side of the booth.
4. Plug the other end of the HDMI Cable into the video source (GSI Audiostar Pro or PC Computer).



How To Use



If you ordered Flex VRA with Screen Mirror, it has already been enabled and ready to use. If you are adding it after the fact, enter "Setup" from the touch menu and turn Screen Mirror "ON", then press "Play VRA" to exit.



You're now ready to use Flex Screen Mirror! Tap on the monitor once and select screen mirror from the on-screen menu to view your source. To exit screen mirror, press the blue "Screen Mirror Off" button on the top left corner of the Screen Mirror Screen.

Service and Warranty Statement



Flex VRA warrants its products against defects in workmanship and materials for a period of **24 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.

Warranties are honored through the authorized distributor in which they were sold. It is up to the discretion of the authorized distributor whether they wish to honor warranty claims for any services performed by unauthorized distributors resulting in warranty claims.

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

A handwritten signature in black ink, appearing to read "Steve Smith", with a horizontal line underneath it.

Steve Smith, Owner
Flex VRA
steve@flexvra.com