

TECHNICAL BULLETIN



XM-5000 3D VRA

Since 2016 all Pehrtek Products were designed to operate using Infra-Red or Radio Frequency control signals to provide the greatest installation flexibility. What's more, they can be converted in the field from IR to RF and vice versa quickly and easily without replacing the main VRA units.



VDS-3000 HD VIDEO VRA

WHEN TO USE RF VERSES IR CONTROL SIGNALS

Hospitals, Large Clinics-Use **IR** to avoid interference from other radiating devices nearby

ENT Offices-Use **RF** for easy installation and omnidirectional control

Multiple Sound Rooms-Use **IR** to avoid cross interference between booths

(**RF** offers up to 4 different channels of operation)

RADIO FREQUENCY (RF) is a wireless transmission of control signals on a specific radio frequency radiating outward in all directions equally through most materials. Bit coding ensures secure transmission and reduces false positive responses. Approximately 15 meters range.

PROS-Omnidirectional radiation, easy installation (one less cable to run)

CONS-Interference from other RF devices, intermittent operation

INFRA-RED (IR) is a wireless transmission of a control signal using infra-red spectrum light waves to flood the room. IR light cannot pass through solid/opaque objects containing the signals within the space it is used. Approximately 5 meters range.

PROS-No possible interference –the signal is contained within the room

CONS-Will not go through walls, solid barriers. Must position IR sensors close to remote control emitter. Cannot use multiple IR systems in same room.

PEHRTEK PRODUCTS

9285 Pierson Lake Drive, Chaska, MN 55318 866-470-3532

MAKE YOUR INSTALLATIONS UNIQUE

SET YOUR SERVICE APART FROM THE COMPETITION



XM-5000 SP/VRA

(USES SINGLE MOUNTING BRACKET FOR BOTH VRA AND SPEAKER)

DON'T JUST INSTALL A VRA ON TOP OF THE OLD SPEAKERS—

INSTALL A MATCHING SYSTEM THAT MAKES THE BOOTH A KID FRIENDLY ATTRACTIVE SPACE



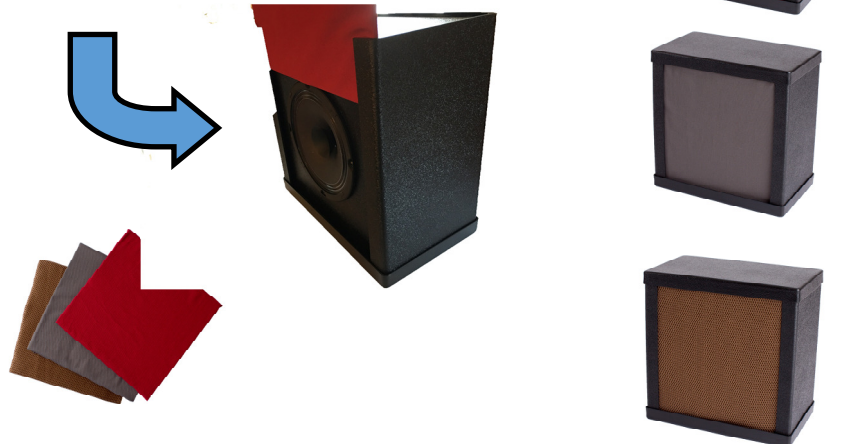
VDS-2500 VIDEO VRA SPEAKER CONSOLE

(MOUNTS TO CORNER WALL WITH INCLUDED BRACKETS)

CHANGE GRILL COVER TO CUSTOMIZE THE LOOK



Acoustic Foam panels added to further customize the installation



PEHRATEK PRODUCTS
9285 Pierson Lake Drive
Chaska, MN 55318
(952) 470-9063