

TECHNOLOGIES FOR WORSHIP

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TECHNOLOGY SPOTLIGHT

Calvary Church Valparaiso, IN

Case Study

YAMAHA TF3 HELPS

COVENANT PRESBYTERIAN CHURCH

Reviews:

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Subminiature Headset Mic

Unity Intercom

Out of the Box:

HITACHI SK-HD 1800

MARSHALL ELECTRONICS
MASTER CONFIDENCE MONITOR

SHURE TWINPLEX™ LAV AND HEADSET MICS

SOLID STATE LOGIC S500M CONSOLE

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PROJECTION SCREEN CLEANING

Step 1

A dry (preferably white) "lint-free" microfiber cloth is the first choice in trying to clean a film screen. It is ideal for textured matte white materials as well as specialty materials.



Step 2

Use a damp microfiber cloth with warm soapy water to clean the material. Don't be too firm when applying the cloth but it will clean out. Follow this up with a second microfiber cloth that is dry to remove all the moisture from the screen.



Step 3

Always wipe in a left-to-right motion. Never make circular-wipes. "Wax-on, wax-off" circular strokes are a really bad idea.



Step 4

Use the moistened cloth first and follow up with a dry cloth.



Tech-Tip: Proper Maintenance of Your Projector and Screen

BY DAVID RODGERS

Prolonging the operational lifespan of your projector and screen is important but it entails a lot of the proverbial "silly questions" most folks are afraid to ask. It does not require the scientific precision of a clean room; just a shoebox full of cleaning supplies, perhaps a spare projector lamp and everyday common sense. Here are the basics for getting the most functionality from your projector and screen.

Know your environment

– Most churches are enclosed in the same way any commercial facility will be. This means that the amount of smoke, weather and humidity exposure to your electronic devices is likely not a problem. If you do use any devices outside, check the product's "IP-Rating" (Ingress Protection) against dust and moisture penetration.

Check with the manufacturer first –

Whenever you service the projector or screen, always check the manual or contact the manufacturer first. (I

will repeat this throughout the article). This will prevent you from making costly mistakes that may damage your screen surface or shorten the projector's operational lifespan. Manufacturers know all the cool life hacks because learning what works with their product and what does not is literally what they do all day.

Care for your projector

– Maintain interior and exterior cleanliness of your projector. A lot of it is common sense but there are some big "NEVER DO

THIS" moves that may surprise you. Before cleaning your projector, always turn it off; disconnect the power; and let it cool down. Also, NEVER use any cleaner with combustible fumes. When the projector powers on and heats up, combustible cleaning residue will become a big problem really fast.

Clean your vents – A clean room makes a clean projector since it has cooling fans. The last thing you need is for dust and grime to be sucked into your projector. Also, maintain about 12 inches (about 30cm) of

clearance from the intake and heat discharge vents. It's a good idea to clean your vent filter every 90-days. Once again, ask your manufacturer whether a soft vacuum brush head or compressed air cannister would be the best tool for this task.

recommend a non-abrasive lens cleaning solution on your microfiber cloth but NEVER apply this solution onto the lens itself. Extra care should be taken with UST (ultra-short-throw) projectors. The reflective "mirror" is a coating created by a chemical

the manufacturer to get their recommendation on cleaning your particular screen. Some cleaning solvents may actually destroy your screen material or leave it permanently stained so it's very important to know before starting. Here are the basic "dirty screen" complaints and what should be done about it.

Here are some general rules for cleaning Matte White, Matte Grey, Rear-Projection or Acoustically Transparent Materials:

- A dry (preferably white) "lint-free" microfiber cloth is the first choice in trying to clean a film screen. Gently blot with a damp (with distilled water). Do not rub.
- Normally, you may use a damp microfiber cloth with warm, mild soapy water to clean the material. Don't be too firm when applying the cloth but it will clean out. Follow this up with a second microfiber cloth that is dry to remove all the moisture from the screen.
- Always wipe in a left-to-right motion. Never make circular-wipes. "Wax-on, wax-off" circular strokes are a really bad idea.
- Remember to follow the damp cloth with a dry cloth.
- Spot cleaning tough stains can often be done using a Q-tip with alcohol making gentle strokes.
- For any material, if this is a "roll-up" screen, never roll it up wet.
- Never use other solvents on any screen material.
- Additional pointers for

cleaning Ambient Light/Ceiling Light Rejecting (ALR-CLR®) Materials

- Wiping can be done gently in an up-down motion. Never wipe in a circular motion.
- Heavily soiled or "sticky" parts can be removed using a solution of equal parts Formula 409 and water on a cloth but never sprayed on directly.

As a professional manufacturer, my experience is that such maintenance can be completed within a few minutes. If the lens and screen appear to be clean, focus on the vent filter maintenance and call it a day. Aside from occasionally dusting with a camel-hair brush, most screens require little more maintenance than that. Although it is just that easy, never be afraid to ask what you feel may be a silly question. As a manufacturer, I can promise you that we've heard sillier and your secret's safe with us. **■**

Dave Rodgers,
Marketing Manager for Elite Screens Inc. & EPV Screens. He has over 20 years of experience in the AV and wireless communications industries. Over the years he has made numerous television, radio and editorial appearances providing installers and do-it-yourselfers with easy solutions toward creating larger-than-life big screen applications.



Most manufacturers will recommend a non-abrasive lens cleaning solution on your microfiber cloth but NEVER apply this solution onto the lens itself

Keep the exterior clean

- Wipe it down with a dry microfiber cloth or lightly moisten it with a solution of equal parts vinegar and distilled water. The key word is lightly damp or moistened. If you can wring water out of the cloth, it's too wet.

Replacing the lamp - If ever a projector lamp needs to be replaced, swapping out the component is relatively easy and it will not be required but once every few years.

Cleaning the lens - This is a lot trickier than you would think. It's best to use a dry microfiber cloth. NEVER use alcohol. Period. If there is a smudge or fingerprint on the lens, this may require a service call or a simple DIY solution. When in doubt, it's best to contact the manufacturer and know first before making a permanent mistake. Most manufacturers will

vapor deposition of silver. It is extremely delicate so never touch it. An air bellow or compressed air is recommended for cleaning but even a fingerprint may require a professional service call so beware.

Care for your projection screen - Remember that projection screens are not glorified bedsheets. Even the least expensive brands are typically made to theatrical quality standards. This is to ensure your color temperature is balanced and your projected image is artifact free. The most common types of materials would be matte white, acoustically transparent, rear-projection, or even a specialty "ambient light rejecting" material. The latter is best for use in bright rooms where light control is difficult.

Remember to check your user guide or contact