Knowledge base

Maintaining your SMART UF75 or UF75w projector

Cleaning the projector

⚠️ **WARNING**

Cleaning a wall-mounted projector can result in a fall or injury. Use caution when climbing a ladder, and consider removing the projector from its wall-mounting bracket to clean it or to replace the projector lamp.

🔺 **CAUTION**

- Never touch the mirror with your hands or a brush, and do not scrub the surface of the mirror with the supplied cleaning cloth. Instead, use the supplied cleaning cloth to clean the mirror gently, and do not put any cleaning solvents on the cloth or the mirror.

- Before you clean the projector, press the Power button twice on the Extended Control Panel (ECP) or remote control to put the system into Standby mode, and then allow the lamp to cool for at least 30 minutes.

- Do not spray cleaners, solvents or compressed air directly on the projector. Do not use spray cleaners or solvents near any part of the projector because they can damage or stain the unit. Spraying the system could spread a chemical mist on some of the projector's components and lamp, resulting in poor image quality and damage to the product which may not be covered by your warranty.

- Do not allow liquids or commercial solvents of any kind to flow into the projector base or head.

👉 **IMPORTANT**

- When cleaning the interactive whiteboard system:

    – Wipe the exterior of the projector with a lint-free cloth.

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- If necessary, use a soft cloth moistened with a mild detergent to clean the projector housing.

- For optimum performance, clean the projector every 12 months. Increase this frequency according to environmental conditions.

- Do not use abrasive cleaners, waxes or solvents.

- When cleaning the projector's mirror:

  - Use a bellows bulb or air blower bulb (commonly found in audio-visual supply stores) to blow off dust. Never touch the mirror or lens with your bare hands or a brush.

  - If wiping the mirror or lens is unavoidable, wear protective gloves and gather the supplied cleaning cloth into a ball. Gently run the cleaning cloth across the mirror from the center to the edge, using the cleaning cloth like you would a feather duster.

- When cleaning the projector's lens:

  - Never touch the lens with your bare hands or a brush.

  - If wiping the lens is unavoidable, wear protective gloves and gather the supplied cleaning cloth into a ball. Gently run the cleaning cloth across the lens from the center to the edge, using the cleaning cloth like you would a feather duster.

⚠ **WARNING**

- Replace the lamp when the projector displays its lamp life warning message. If you continue to use the projector after this message appears, the lamp can shatter or burst, scattering glass throughout the projector.

- If the lamp shatters or bursts, leave and then ventilate the area.

- Next do the following:

  - Avoid touching the glass fragments because they can cause injury.

  - Wash your hands thoroughly if you have come into contact with lamp debris.

  - Once the area has been ventilated, thoroughly clean the area around the projector, and discard any edible items placed in that area because they could be contaminated.

  - Call your authorized SMART reseller for instructions. Do not attempt to replace the lamp.

- Uncovering the lamp while the projector is mounted on the wall-mounting bracket can lead to product damage or personal injury from falling pieces of glass if the lamp is broken.

- When replacing the projector lamp:

    – Put the projector into Standby mode and wait 30 minutes for the lamp to cool completely.

    – Do not remove any screws other than those specified in the lamp replacement instructions.

    – Wear protective eyewear while changing the lamp. Failure to do so can cause injuries including loss of eyesight if the lamp shatters or bursts.

    – Use only replacement lamps approved by SMART Technologies. Contact your authorized SMART reseller for replacement parts.

    – Never replace the lamp module with a previously used lamp module.

    – Always handle the fragile lamp module with care to prevent premature lamp failure or exposure to mercury. Use gloves when touching the lamp. Do not touch the lamp with your fingers.

    – Recycle or dispose of the lamp as hazardous waste in accordance with local regulations.
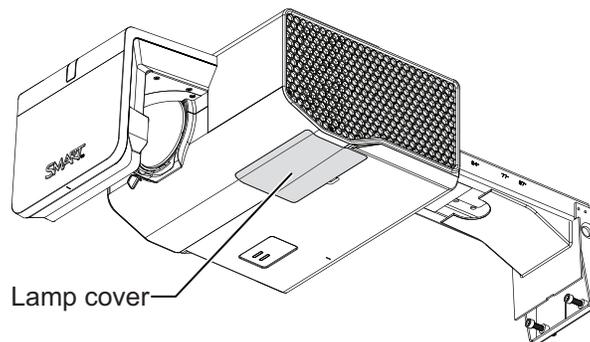
Removing and replacing the projector lamp module

When the lamp reaches the end of its life, a message appears reminding you to replace the lamp. Make sure you have a replacement projector lamp before proceeding with the following instructions.

You need a Phillips No. 2 screwdriver and a flat screwdriver to complete these procedures.

To remove the old lamp

1. Press the **Power** button twice on the remote control or the ECP to put the projector into Standby mode.

2. Wait at least 30 minutes for the projector to cool down.

3. Disconnect the power cable from the projector.

4. Remove the lamp cover from the projector, and then put it in a safe place.
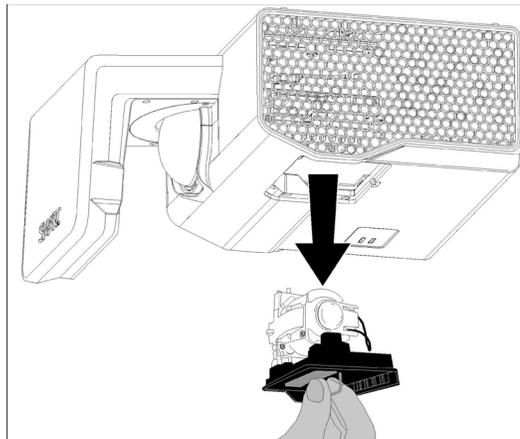

Lamp cover—

> **TIP**
>
> If the cover is difficult to remove, insert a flat screwdriver or small coin into the
> slot on the bottom of the lamp cover to gently pry the cover open.

5. Use a Phillips screwdriver to loosen the two captive screws from the bottom of the
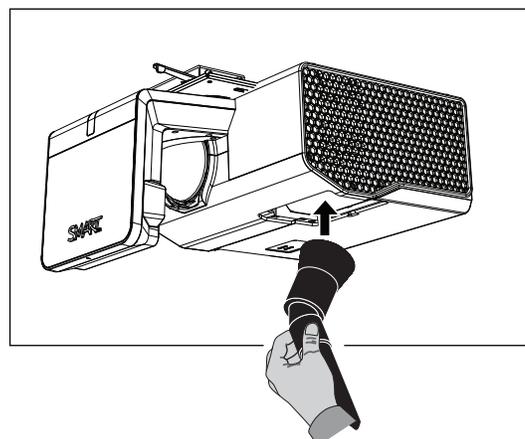   lamp module.
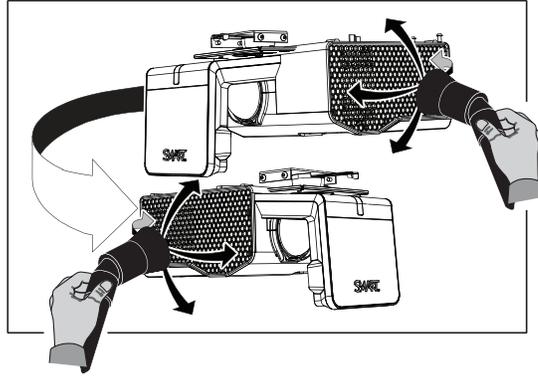
> **NOTE**
>
> Loosen the captive screws. Don't remove them.

6. Use the handle on the bottom of the lamp module to slide out the lamp and
   remove it from the projector.

7. Put the old lamp in a secure container, and handle it gently until you recycle it.

8. Use a vacuum with a soft bristle attachment to gently clean the area, being careful
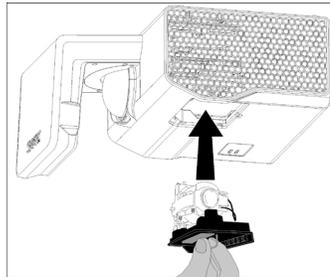   not to touch any optical components.

9. Use the same attachment to vacuum the vents on either side of the projector.

To install the new lamp

1. Remove the new lamp module from its packaging.

2. Carefully place the lamp module into the projector by holding the lamp module by
   the handle vertically and guiding it into its slot.

3. Gently press the power end of the lamp module against the projector to ensure
   the power plug makes contact with the projector's power receptacle.

NOTE

You should be able to place the lamp module into the projector easily without
applying much force.

4. Use the Phillips screwdriver to tighten the captive screws.

5. Carefully replace the lamp cover.

6. Connect the power cable.

7. Press the **Power** button once on the remote control or the ECP to confirm that the
   projector is operating and that the lamp module is correctly installed.

**To complete the projector
lamp installation**

1. Turn on the projector.

2. Adjust the projected image if necessary. See *Focusing and adjusting projected
   image* below.

3. Access the service menu to reset the lamp hour counter. See *Resetting the lamp
    timer* in your SMART Board interactive whiteboard system user's guide.

4. Activate the projector's alert e-mails and lamp warnings if they've been
    deactivated. See the appropriate sections in your SMART Board interactive
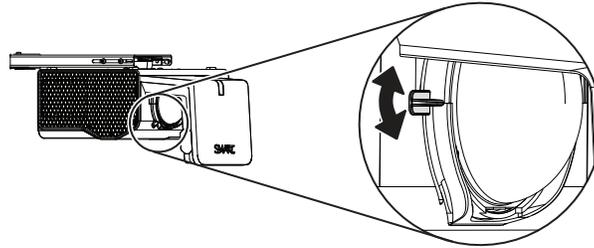   whiteboard system user's guide.

Focusing and adjusting the projected image

You can use any or all of these adjustments to refine the image. Adjust each setting a
little at a time.

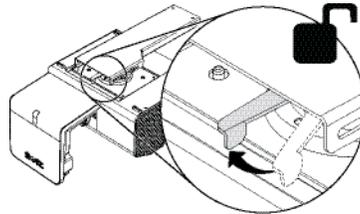You need a Phillips No. 2 screwdriver to complete these procedures.

**To focus the projected
image**

Move the focus adjustment lever up or down until the image is clear.
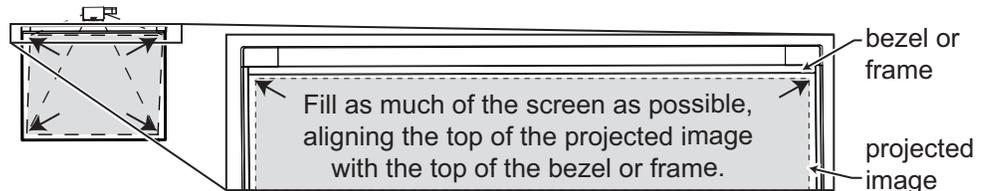

**To adjust the projected
image**

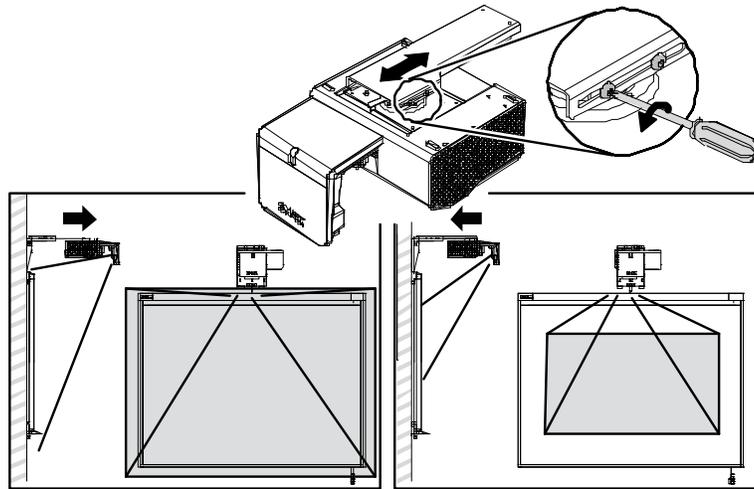1. Unlock the projector by moving the lock lever to the left.

2. Align the top edge of the projected image with the top edge of the interactive
    whiteboard's bezel or frame by moving the projector manually. Fill as much of the
    screen as possible.

Fill as much of the screen as possible,
aligning the top of the projected image
with the top of the bezel or frame.
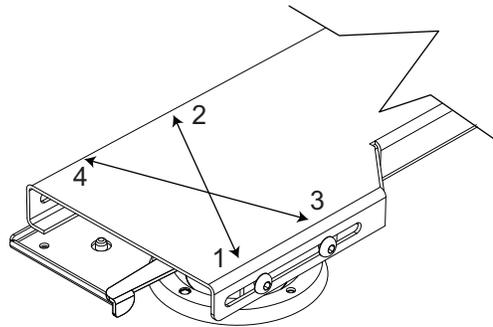
bezel or frame

projected image

> 💡 **TIP**
>
> Move the focus lever until it is almost in the locked position. The friction will help you to maintain control when you're moving the projector to the desired position.

3. Move the lock lever to the right to lock the projector.

4. Using a Phillips screwdriver, loosen the four side screws and then move the projector backward or forward on the boom until the top edge of the image fills the screen from edge to edge.
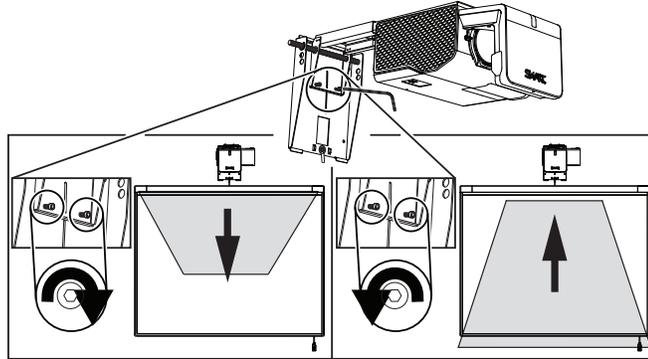

> 💡 **TIP**
>
> Tighten the screws in the order shown while holding the projector steady with one hand.

To adjust the vertical keystone of the projected image

Loosen or tighten the lower screws on the projector mounting plate, turning both screws equally a quarter or half turn at a time.

- Turn the adjustment screws clockwise to push the projector up, widen the bottom of the image and move the bottom edge of the image down.

- Turn the adjustment screws counterclockwise to push the projector down, narrow the bottom of the image and move the bottom edge of the image up.
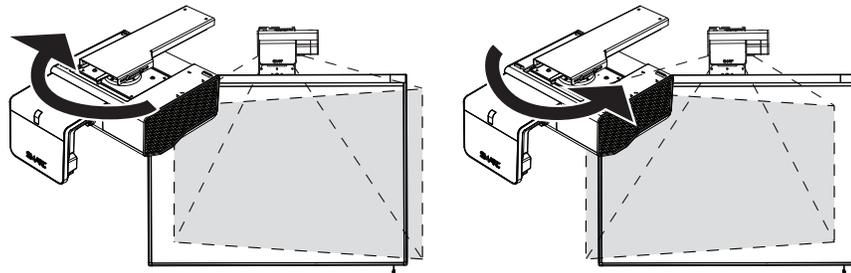
NOTE
The top edge of the image moves very little from its position.

To adjust the horizontal keystone of the projected image

Turn the projector to the left or right to adjust the image.
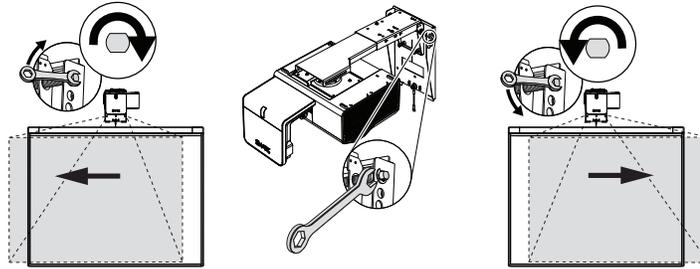
TIP
Move the focus lever until it's almost in the locked position. The friction will help you to maintain control when you're moving the projector to the desired position.

- Rotate the projector to the right to lengthen the right edge of the image, shorten the left edge image and move the entire image to the right.

- Rotate the projector to the left to shorten right edge of the image, lengthening the left edge of the image and move the entire image to the left.

To center the projected image

If the image is off center, use a wrench to turn the adjustment screw on the mounting base.

- Rotate the adjustment screw clockwise to move the entire image to the left.

- Rotate the adjustment screw counterclockwise to move the entire image to the right.

Resetting the lamp timer

After you replace the lamp, access the projector service menu to reset the lamp hour counter. To prevent accidental errors, only a system administrator should perform this procedure.

🔺 **CAUTION**

- Always reset the lamp hours after you replace the lamp, because lamp service reminders are based on the current hours of use.

- Do not adjust any settings in the service menu other than those listed in this guide. Changing other settings can affect the operation of your projector and invalidates your warranty.

To reset the lamp timer

1. Press the remote control buttons quickly in the following sequence to access the service menu: **Down-Up-Up-Left-Up**.

2. Scroll to *Lamp Hour Reset*, and then press **OK**.

   Both Lamp Hour values (Standard and Economy) are reset to zero.

   🔺 **CAUTION**
   Do not use the Lamp Hour Reset feature unless you have just replaced the lamp. Resetting the lamp hour counter on an old lamp can result in lamp failure and damage to the product which may not be covered by your warranty.

   ℹ️ **NOTE**
   You're unable to reset the Display Hours value because it's the running total of hours the projector has been in use.

3. Press the **Menu** button on the remote control.

    The *SMART UF75 Settings* menu appears.

4. Select [icon] to confirm that the lamp hours are reset to zero.

Maintaining your interactive whiteboard

For more information on maintaining your interactive whiteboard, see your SMART Board interactive whiteboard [user's guide](#).