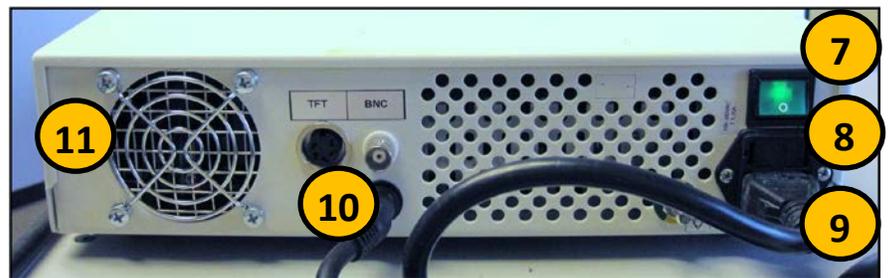**Background**: The JedMed otoscope captures images of the tympanic membrane, ear canal and surrounding tissue. The JedMed light box has additional imaging scopes that can be added to capture images of the nasal passages, mouth, pharynx, larynx and more. More information can be found at www.afhcan.org.

## The JedMed Otoscope

1. Stand by light and power button
2. White balance or color reset
3. Window size
4. Brightness
5. Camera input
6. Light output
7. Main power supply
8. Main (external) fuse draw
9. Power cord
10. Video outputs
11. Cooling fan

**DO NOT BLOCK THE COOLING FAN**

## Operating the JedMed Otoscope

1. Ensure the main power supply (item 7 above) is turned on. The JedMed Otoscope can have the main power switch left on when not in use.

2. Turn on the video otoscope light source by pressing the green POWER button. The standby light will go out.

**WHEN YOU TURN ON THE LAMP, LEAVE IT ON FOR AT LEAST 10 SECONDS.
ONCE THE LAMP IS TURNED OFF, DO NOT TURN IT BACK ON FOR 60 SECONDS.**

3. Next perform a white balance or color reset. A white balance or color reset should be performed periodically, or when the image color appears off. The white balance or color reset is used to ensure accurate color reproduction.

To perform a white balance:
1. Aim the otoscope tip at a uniformly illuminated white sheet of paper.
2. While aiming the otoscope tip at the paper, push and release the white balance button.
3. Monitor will read "white balance ok".

**Important tip: When finished, put the otoscope back in standby mode by pressing the power button. The yellow light will come on to indicate standby mode.**
*Standby mode prolongs the life of the otoscope light bulb.*

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**Handy Guide**

**How to Capture Images Using the JedMed Otoscope**

## Additional Image Settings

**Window Function (Item 3)**: The window function button allows for three window sizes. Each time the window button is pressed, it changes the size of the window. The size of the window determines the area used for light measurement, which affects the image brightness. When the window button is activated, the button is illuminated by a yellow light.



**Automatic Gain Control or AGC (Item 4)**: This feature is not normally used for examining the eardrum. The AGC is used in poor light conditions.To increase the image brightness, press the button to select the desired gain. Using the AGC to increase the image brightness will decrease image quality.
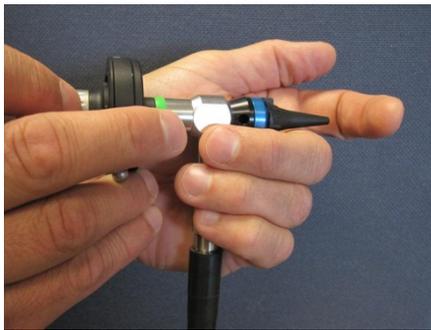


## Using the Otoscope Attachment

Twist a Welch Allyn speculum onto the blue tip of the JedMed otoscope as pictured below.



Pre-focus the otoscope by holding the tip of the otoscope close to the palm of your hand and turning the focusing knob until the image is clearly focused.



Hold the JedMed otoscope as pictured at right when imaging the ear canal and tympanic membrane.

When you are finished, hang the hand piece in the bracket as pictured at left.