

# The 3-Dmed MITS Series

Thank you for buying products from 3-Dmed®.

## QUICK GUIDE



Your instruments can be inserted into any of the five ports. They can be used with or without trocars.

The standard grommet has a hole sized for a 10mm trocar. Grommets with 5mm holes are also available. Both sizes are easily removed or replaced.

The trainer has a generous, well lit work area. It will accommodate either artificial anatomical structures or animal tissue. Consider using an absorbent pad under animal tissue.

### Monitor Adjustments:

To make adjustments, push the “menu” button. Each push of the button will display a different function.

Brightness - adjusts the light level on the screen.

Contrast - it increases/decreases the separation between light and dark (example: create more shadows).

Color - controls the level of the color (example: from grey tones to intense yellow)

Tint - controls the color balance (more green or less green).

### SimScope™ & Camera Adjustments:

The SimScope™ can move in and out to change the field of view and swivels to provide a full range of motion. It will fit into any of the ports. The focus can be adjusted after loosening the lens set screw with a .050” hex wrench. Screw the lens in or out to change the focal point. Lightly re-tighten set screw. For more information visit the F.A.Q. page on our web site: [www.3-Dmed.com](http://www.3-Dmed.com).

### Using Alternate Displays:

The camera image can be sent to any other television monitor that has an RCA video input, such as a large TV. Simply remove the RCA plug from the gold RCA jack, and attach an RCA female/male extension cord (not supplied) between the Simscope™ and the alternate monitor’s “video” input. This works great for lectures or demonstrations.

### Recording and using multiple monitors:

Activity can be recorded digitally by connecting the 3-Dmed® SSVI07 Video Interface between the trainer and a digital storage device (computer/network). Analog recording can be done as well. Additionally, the SSVI07 can split the input signal providing outputs for up to four monitors. For more information please visit our web site.

If you have questions or would like more information contact us at **937.746.2901**.

# 3-Dmed®

LEARNING THROUGH SIMULATION  
INNOVATOR AND MANUFACTURER SINCE 1970

255 INDUSTRIAL DRIVE  
FRANKLIN, OHIO 45005

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Web: [www.3-Dmed.com](http://www.3-Dmed.com)

# The **3-Dmed** MITS Series

## Model T9-IOU

Patent #6659776

Thank you for purchasing the **T9-IOU** MITS from **3-Dmed**®. Each unit now comes with this platform to accommodate a wider range of practice materials and skill training aids.

## SETUP INSTRUCTIONS

### Size & Weight

Length: 21"  
(53.5 cm)

Width: 14"  
(35.5 cm)

Height: 13"  
(33 cm)

Weight: 25 lbs.  
(9.1 kg)

1. Lift the lid by the black knob to open.
2. To install the **SimScope**™ see the separate instruction sheet included.
3. The power cord is shipped inside the trainer. Attach the power cord at the back next to the handle. Plug into a standard 100v - 120v AC outlet.
4. After power has been supplied to the trainer, find the button in the lower right corner of the screen bezel labeled "power". Press the button for two seconds and then release. The screen will come on in about three seconds. The red LED light indicates that there is power supplied to the monitor. When turning the monitor off, press the "power" button for one second and release.
5. To illuminate the work area use one or both of the black switches (labeled "💡") that are located on the right side of the trainer body.
6. If monitor adjustments are needed, press the button below the screen labeled "menu". To scroll through the different controls press the "menu" button (repeatedly) until the desired heading is displayed. To make adjustments to that function press (and hold) the "up" or "down" button to change its value. The "mode" should always remain on "AV-1".

NOTE: The monitor is a Liquid Crystal Display (LCD) and care must be exercised regarding the surface of the screen. To clean: use a soft cotton cloth lightly dampened with water, or a commercial computer LCD monitor cleanser, or use a solution of 50% isopropyl alcohol and 50% distilled water. Products containing ammonia should not be used. Do not apply any cleaning solutions directly onto the screen. Never use cleaning products that contain abrasives or strong solvents. To prolong the life of the monitor and light, turn them off when not in use.

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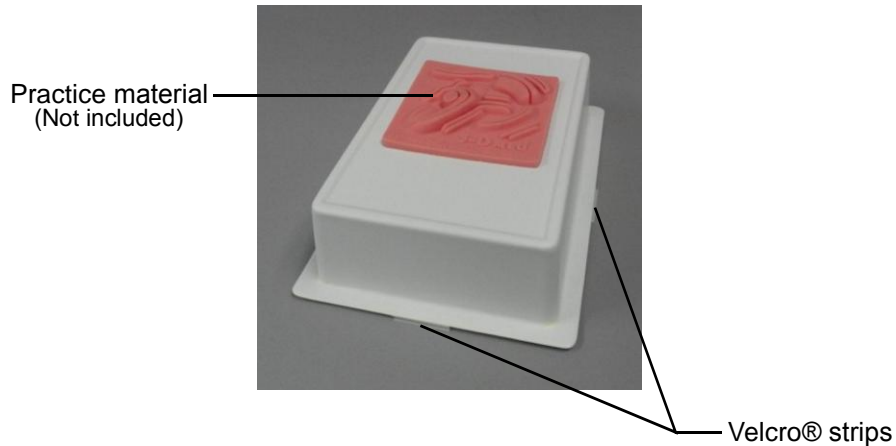
If you have questions or would like more information contact us at **937.746.2901**.

# The **3-Dmed** MITS Series

Model  
T9-IOU

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## T9-IOU ACCESSORY PLATFORM



## SETUP & REMOVAL

1. Extend the drawer out from the **T9-IOU** trainer.
2. Make sure the bottom of drawer is clean and free of any moisture, grease or oily substances.
3. Find the four (4) Velcro® strips adhered to the bottom of the **T9-IOU Accessory Platform**. Remove the protective film from each strip and center the platform on the bottom of the drawer. Press firmly on the areas where the Velcro® Strips are located.
5. Now the platform is ready for use with skill games, suturing pads, and any other practice materials that require a closer proximity to the Simscope™.
6. To remove the platform pull it up from the bottom lip where the Velcro® is located.
7. The platform can be replaced at any time using the Velcro® to retain it in place.

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# The 3-Dmed SIMSCOPE™

Thank you for buying products from 3-Dmed®.

## SETUP & ADJUSTMENTS

**NOTE:** Please remove lens cap before using.



Figure 1

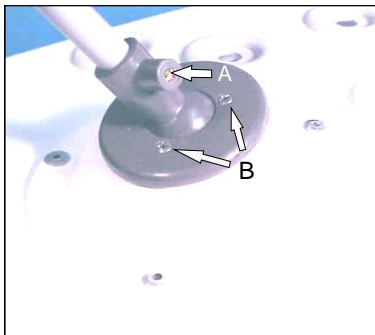


Figure 2

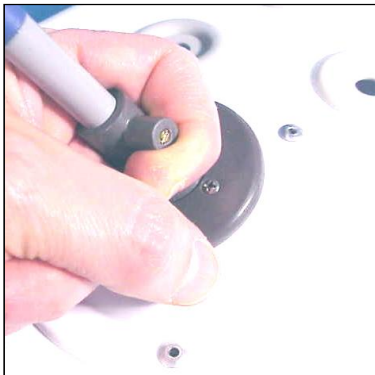





Figure 3

1. Insert the **SimScope™** into the raised, angled port location (Fig.1). Push the gray swivel collar down firmly until it “snaps” into place as shown in figure 2.

2. Connect the black power cord elbow to the receptacle marked “ 9v DC” below the light switches on the right side of the trainer.

3. Connect the white RCA plug to the gold RCA receptacle marked “ ” beneath the power receptacle.

4. To adjust the resistance of the shaft slide movement: turn the insert in the tension adjustment boss (arrow “A” fig. 2) with a small, flat blade screwdriver. Turn clockwise for more resistance, or counter clockwise for less. **DO NOT OVER TIGHTEN OR DAMAGE TO THE SHAFT WILL RESULT!** Adjust in small increments.


5. To increase the resistance of the ball movement: tighten the three phillips screws (“B” fig. 2) with a phillips screwdriver. Do so in small increments. **DO NOT OVER TIGHTEN!**

6. To remove the **SimScope™** grasp the swivel collar placing your forefinger under the tension adjustment boss for leverage, and pull out with a rocking motion (fig. 3).


7. If there’s a need to adjust the focus of the camera lens please see the Quick Guide, or go to the F.A.Q. link on our web site, or contact us by phone.

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# SYMBOL LEGEND

 - POWER, ON AND OFF

 - MENU ACCESS or MONITOR CONTROL NAVIGATION

 - ADJUST DISPLAY VALUES or CHOOSE MONITOR CONTROL FUNCTION

 - DISPLAY VALUES

 - SWITCH INPUT MODES

 - LIGHT SWITCH

 - RECEPTACLE FOR SIMSCOPE VIDEO CAMERA (LARGE MODELS)

 9v DC - RECEPTACLE FOR SIMSCOPE POWER CORD (LARGE MODELS)

 220-240v AC - CONNECTION FOR 220-240v POWER

 - WARNING: ELECTRICAL HAZARD

 - WARNING: DISCONNECT POWER PRIOR TO ACCESS

CE

2007

3-D TECHNICAL SERVICES  
FRANKLIN, OHIO, USA  
MODELS: TRLCD03-240, TRLCD05-240  
TRLCD06-240, TRLCD07-240  
INPUT: 220-240 VOLTS AC  
50-60Hz  
MADE IN U.S.A..

SYMBOLS LEGEND-E

**3-Dmed**<sup>®</sup>

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# PLEASE READ THIS WARRANTY

In order to provide warranty or future service, please contact us via e-mail at: [support@3-Dmed.com](mailto:support@3-Dmed.com) prior to taking any action. This will help expedite the process. Problems can often be resolved by e-mail or phone.

**3-Dmed®**, a division of 3-D Technical Services Inc., warrants this Product against defects in material or workmanship subject to the following conditions:

1. MONITOR and CAMERA: These items are covered by their manufacturer's warranty for a period of one year. **3-Dmed®** will act as liaison in the case of your claim, but final determination of coverage is the manufacturer's decision.
2. LABOR: For a period of 90 days from the date of purchase, if **3-Dmed®** determines the Product (part) to be defective, we will repair or replace the Product (part) at no charge. After the warranty period, we will provide an estimate for labor charges upon request.
3. PARTS: **3-Dmed®** will replace defective parts with new or rebuilt replacements for a period of 90 days. After the warranty period, parts are available through **3-Dmed®** and pricing will be provided upon request.

TO OBTAIN WARRANTY SERVICE: YOU MUST obtain a RETURN AUTHORIZATION number via phone or e-mail BEFORE sending the unit back. The Product must be sent in its original packaging, or packaging affording an equal degree of protection, to **3-Dmed®** with insurance for its full value. Uninsured parcels are sent at YOUR RISK for loss or damage.

This warranty does not cover user cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, or modification to any part of the Product. This warranty does not cover damage due to improper operation or maintenance, connection to improper voltage supply, or attempted repair by anyone other than a trained technician at **3-Dmed®**. This warranty is invalid if the factory-applied serial number has been altered or removed from the Product.

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