



MILO Range v5
Advanced System Hardware Setup Guide

24/7 Technical Support
1-800-344-1707

Setup System Hardware

If your system is setup and taken down each time you use it, please follow the steps listed below to setup the systems hardware and prepare the system for use.

Training Room Preparation

1. Turn off all non-fluorescent lights.
2. Cover all windows to prevent sunlight from affecting the hit detection system.

Screen Setup

3. Assemble the projection screen and place it against a wall. (Figure 1)

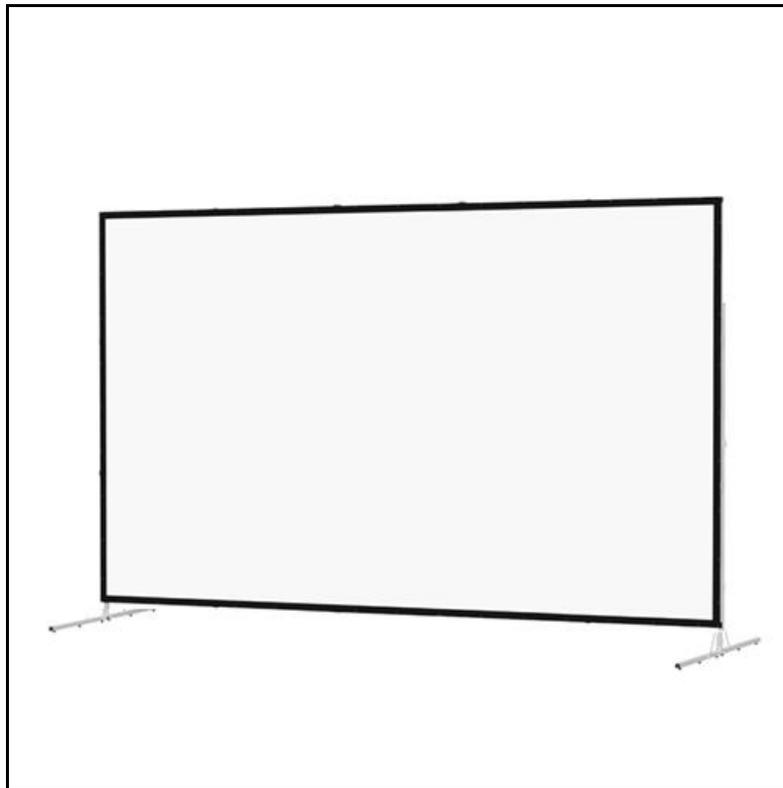


Figure 1

Projector Setup

4. Place the projector on the floor approximately 18' from the projection screen and centered on it, with the lens pointed at the screen. Do not place the projector on a table or any other raised surface. (Note: 15' min / 25' max distance)
5. Connect the power cord to the projector (Figure 2). Make sure the cable does not interfere with the area where the trainee(s) will walk or stand during training.



Figure 2

6. Connect the HDMI cable to the HDMI port (Figure 3) and run the cable to the location where the computer will sit. Make sure the cable does not run where the trainee(s) will walk or stand during training.



Figure 3

Camera Box Setup

7. Place the camera box in position and point it towards the projection screen. You can place the camera box on top of the projector or next to it. (Figures 4a, 4b)



Figure 4a



Figure 4b

8. Attach the lenses and correct filters to the cameras. The lenses for these cameras are the same and are interchangeable. Note that it is listed on top of the camera box as to which colored filter (Hit-Detect-Red / Flashlight-Blue) attaches to each lens. (Figures 5a, 5b)



Figure 5a



Figure 5b

NOTE: There are three parts to a complete lens assembly, the camera lens plus the filter and the filter ring. See Figure 6 for a detailed illustration.

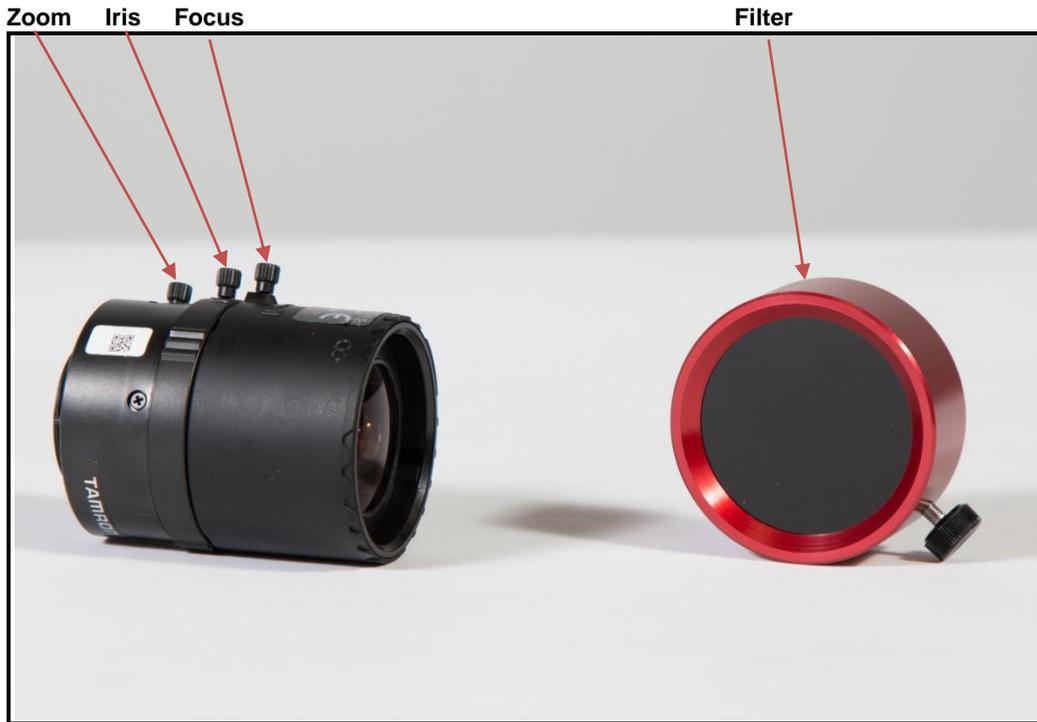


Figure 6

9. Plug the power cable into the camera box and plug the other end into an outlet or power strip. Connect the Ethernet cable into the system port on the camera box that will run to the Advanced Laptop. (Figures 7a, 7b)



Figure 7a



Figure 7b

TAC Camera Setup

10. Mount the TAC camera to the included clamp system, and secure the clamp to either the left, right or top of the frame of the projection screen. (Figure 8)

11. Loosen the ball joint on the clamp and aim the TAC camera at the area where the trainee(s) will be during training. Tighten the ball joint to secure the cameras position.



Figure 8

12. Connect the power supply to the TAC camera and plug the other end into an AC power outlet. (Figure 9a)

13. Connect the supplied Ethernet cable into the Ethernet port on the TAC camera. (Figure 9b)

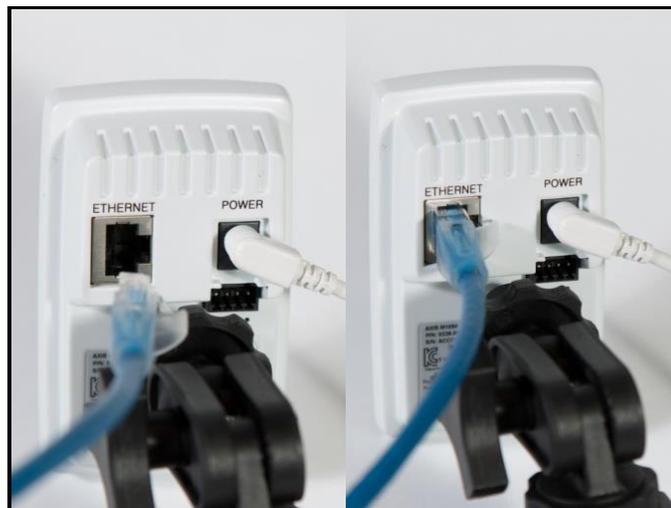


Figure 9a

Figure 9b

14. Run the Ethernet cable to the Hit Detect & Flashlight camera box, avoiding the area where the trainee(s) will be during training.

15. Connect the Ethernet cable from the TAC Camera (from step 13) to the “AUX” port on the Hit Detect & Flashlight camera box. (Figure 10)



Figure 10

Trainer Station Setup

16. Setup the laptop computer on a desk or table, out of the trainee’s way. (Figure 11)



Figure 11

17. Connect the laptop power supply to a power strip or wall outlet then to the laptop. (Figure 12)



Figure 12

18. Set the mouse on the desk and connect it to the laptop using a USB port on the laptop.

19. Connect the HDMI cable from the projector (from step 6) to the laptop's monitor output. (Figure 13)



Figure 13

20. Connect the network cable from the camera (from step 9) to the network port on the laptop. Make sure the cable does not interfere with the area where the trainee(s) will walk or stand during training. (Figure 14)



Figure 14

Sound System Setup

21. Set the two speakers on the desk or on the floor, facing the area where the trainees will be during training.

22. Connect the left speaker cable into the right speaker. Connect the power cord into the right speaker and plug the other end into a power strip or an outlet. (Figures 15a, 15b)



Figure 15a



Figure 15b

23. Connect the control pod cable into the back of the right speaker. Connect the RCA audio input cable into the port on the back of the right speaker. (Figures 16a, 16b)



Figure 16a



Figure 16b

24. Connect the cable from the audio in port on the right speaker to the headphone port on the laptop. (Figure 17)



Figure 17

Power Up

25. Turn on the projector by pressing the on/standby button on the projector remote while aiming it at the front or rear of the projector. Wait 30 – 60 seconds while the projector warms up.
26. Press the power button on the laptop system. After about 1 minute, Windows will finish loading and you will see the MILO Range logo on the desktop and projector screen.
27. Tap the middle of the Bose Control pod to turn the speakers on/off (light will appear if on) and adjust the volume by turning the outside wheel of the pod.

Configure Cameras

28. Reference your MILO Range Hit Detect Camera Setup & Calibration Guide to complete your hit-detection camera systems setup.
29. Reference your MILO Range Flashlight Camera Setup Guide to complete the flashlight camera systems setup.