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I. QUICK START GUIDE VOS

In order to begin training on the V-100 Marksmanship system, several components need to be initiated in order. This guide will walk the user through the following steps.

1. Adding a Trainee
2. Adding a Weapon
3. Adding a Trainee Set
4. Boresight Trainee's Weapons
5. Selecting a Course of Fire

II. ADDING A TRAINEE

Open and log into the VOS13 application by double clicking the icon on the desktop.

1. Press the VOS13 logo in the bottom left window pain
2. Select the Administration button from left hand window pain

3. Select the Trainee button
4. Click Add New Trainee button in the right menu window pain
5. Add the First Name, Middle Name, Last Name, and a unique ID number to associate with this account
6. Optionally, click on the image next to the name fields to select a picture for this account
7. When all the fields are correct, click on the Save Trainee Setting button
8. The new trainee should appear in the left window pain under Available Trainees
9. Repeat the process for the desired number of trainees

Fig. 04: Trainee Configuration
III. ADDING WEAPONS

Open and log into the VOS13 application by double clicking the icon on the desktop.

1. Press the VOS13 logo in the bottom left window pain
2. Select the Administration button from left had window pain
3. Select the Weapons button
4. Click New at the top of the right window pain

![Fig. 05: Weapons Config Button](image1)

![Fig. 06: Weapons Configuration](image2)
Fill in the following fields:

**MODEL:** Clicking in the Model field will launch a window of various weapon models to choose from, i.e.

![Weapon Models](image)

**SERIAL:** This number should correspond to the number on the weapon laser kit, **NOT** the serial number of the weapon.

![SN corresponds to SN on the weapon laser kit.](image)

**LASER ID:** Value of 1 - 6 that corresponds the weapon laser kit

Reference Tracking Diagnostics to determine IDs
**SIGHT HEIGHT:** Center of barrel to center of sight alignment  
**ZERO RANGE:** Distance from Screen Plane to Target  
**CALIBER:** Diameter of bullet  
**BARREL TWIST:** Number of twists with the barrel of the weapon  
**BARREL LENGTH:** Distance from breach to end of barrel  
**ZERO PROJECTILE:** Projectile to be used for Boresight

6. Click on the image next to the **MODEL** field to select a picture for this weapon

![Weapon's model image library](image)

**Fig. 09: Weapon’s model image library**

7. When all the fields are correct, click on the **UPDATE** button at the bottom left in the right window pane

![Update to add Weapon(s)](image)

**Fig. 10: Update to add Weapon(s)**

8. The new weapon will appear in the left windows pane
9. Repeat this process for all laser weapon kits
IV.  ADDING A TRAINEE SET

Open and log into the VOS13 application by double clicking the icon on the desktop

1. Press the VOS13 logo in the bottom left window pain
2. Select the Trainee button from left had window pain
3. Click on Add New Trainee Set
4. Enter New Trainee Set Name. Hit OK when done.
5. Add trainees to the set by clicking the “+” next to the trainee name in the right of the windows pain. A maximum of 6 Trainees may be added to a single group, each trainee having their own lane of fire

6. Click the “+” under the Activated Trainees Equipment window in the center of the screen

Fig. 11: Creating a Trainee Set

Fig. 12: Assigning a weapon per laser ID
7. Select Equipment for the Active Trainee by click on the appropriate icon. A trainee may have only one weapon per Laser ID assigned at one a time

![Fig. 13: Selecting equipment](image)

8. Click on the weapon icon next to the Activated Trainee and select Configure to load and configure ammunition

![Fig. 14: Configure ammunition](image)
9. Loading Ammunition
   a. Click in **MAXIMUM ROUND CAPACITY** box and type in the desired number of rounds
   b. In the left window pain, click on the icon for the desired type of ammunition, the **NUMBER TO ADD** box will automatically populate the additional rounds
   c. Click **ADD PROJECTILES** to add the rounds to the right windows pain **PROJECTILES TO LOAD**
   d. Click on **Load Weapon** to close load the weapon and close this **LOAD** box

Fig. 15: Setting up ammunition

10. Once all trainees are added and weapons selected and loaded, click on **Save All Changes** in the left window pain
V. BORESIGHT TRAINEE’S WEAPON

1. Press the VOS13 logo in the bottom left window pain
2. Select the Simulations button from left had window pain
3. In the list of available simulations, select Boresight
4. Click on RUN SIMULATION to begin the simulation.
5. On the projected screens, have the trainees zero their weapon on the appropriate ranges
   a. The Trainee will fire once at the screen and the zeroing target will appear at the appropriate height for the Trainee
   b. Five shots are required to be within the white part of the target
   c. If any shot falls outside the given grouping, the Boresight will reset and require the trainee to start over
   d. Have the Trainee continue until five shots are recorded in a row within the white of the target

![Boresight Configuration](image-url)
VI. SELECTING A COURSE OF FIRE

1. Press the VOS13 logo in the bottom left window pain
2. Select the Simulations button from left had window pain
3. Select **RUN SIMULATION** to begin. After approximately 30 seconds the course will load. Click on **START** to begin the simulation on the projected screen

![Fig. 17: Selecting a Course of Fire](image-url)
VII. CONTACT VIRTRA

If you have any questions or issues with any part of this manual, please see contact below:

Service Manager

VirTra

7970 S. Kyrene Road
Tempe, AZ 85284 USA

Office: 480.968.1488 x 5029
Mobile: 602.456.9173
Email: service@virtra.com

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