

PROGRAMMING MODES

- Momentary or constant
- Press for momentary, double tap for constant
- Tap for constant, press & hold for more than 2 seconds for momentary
- Slave device mode
- Device auto shutdown option
- Button / lead assignment

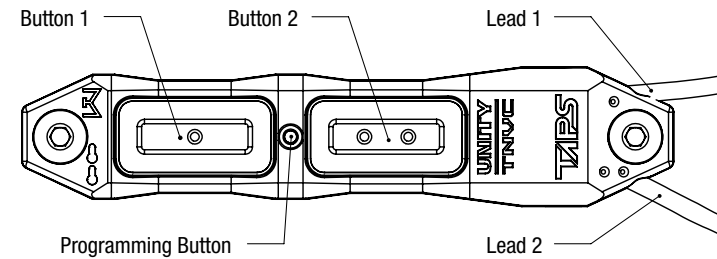
BATTERY

(1X) 2032

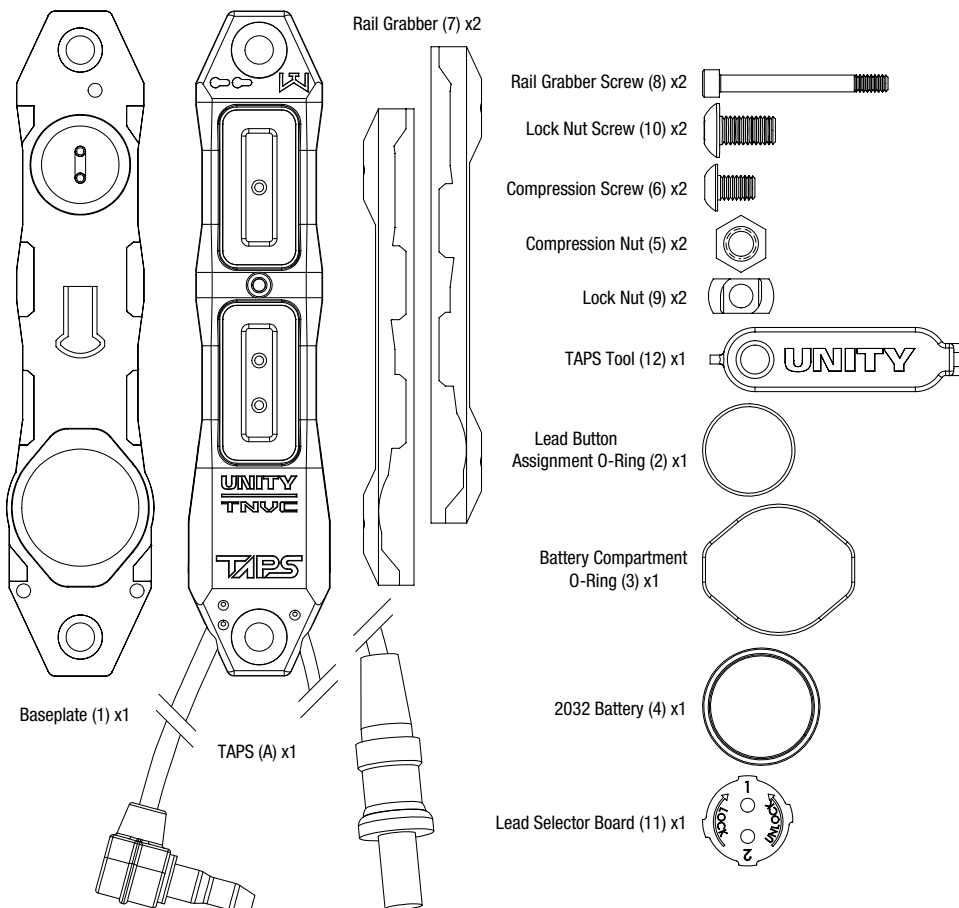
BATTERY LIFE

Approximately 3000 device (light / laser) "on" hours.

Switch operates in "failsafe" mode if battery dies or no battery installed. This operates on a separate circuit to ensure accessory always fires.



INCLUDED IN BOX:



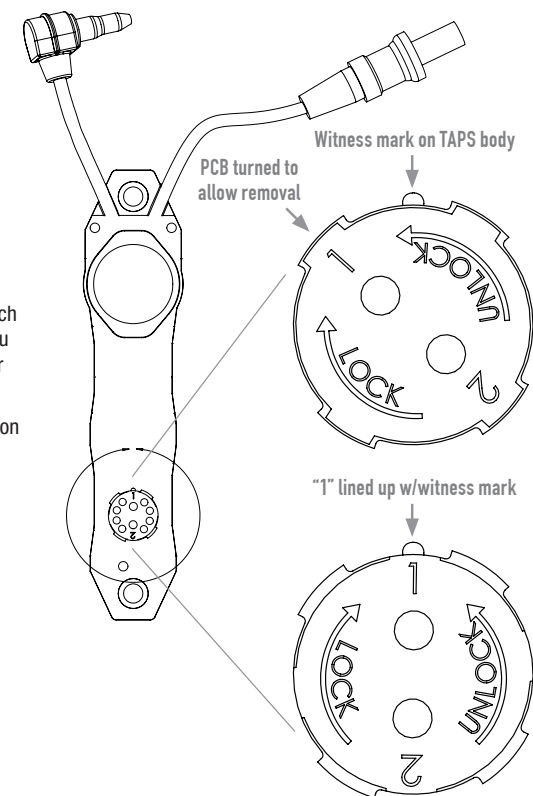
STEPS FOR USING TAPS:

1. Read this manual thoroughly
2. Follow directions in order
3. Select the Button / Lead Assignment
4. Install O-Rings
5. Mount onto rail
6. Program
7. Test

LEAD SELECTION:

Before installing TAPS, you will need to select which button is used to control each lead. This allows you to orient TAPS with the leads toward the muzzle or toward the receiver for optimal placement.

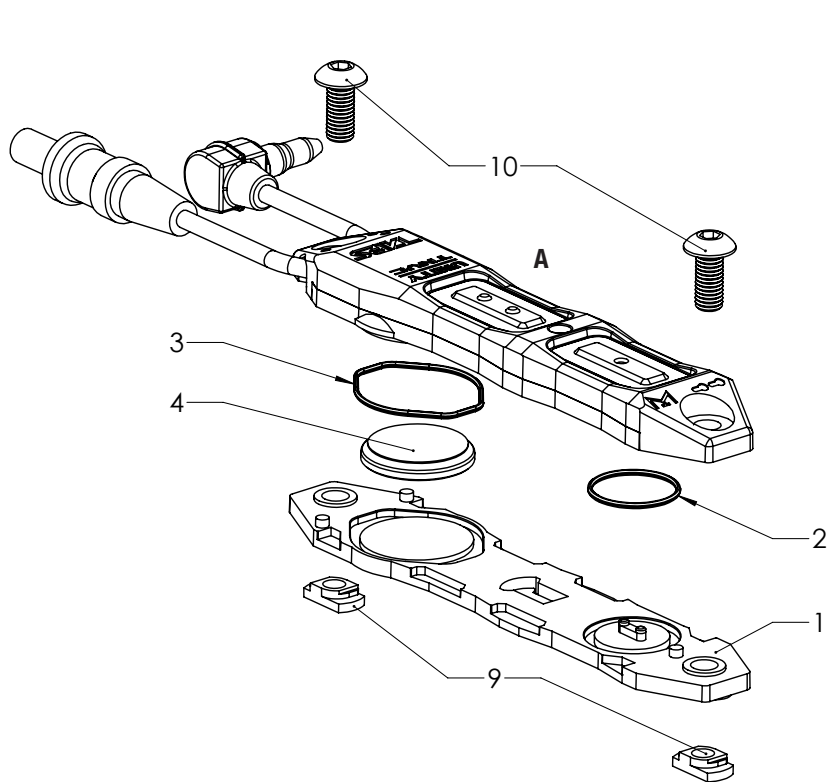
1. On the bottom of the TAPS unit is a lead selection PCB with 2 Numbers.
 - a. Button 1 Controls Lead 1
 - b. Button 2 Controls Lead 2
2. Using the included tool, turn the PCB counter-clockwise until the board can be removed. To insert, drop the PCB into the housing and turn clockwise until "1" or "2" lines up with the witness mark.
 - a. When "1" is lined up with the witness mark-
 - a. Button 2 Controls Lead 1
 - b. Button 1 Controls Lead 2
 - b. When "2" is lined up with the witness mark-
 - a. Button 1 Controls Lead 1
 - b. Button 2 Controls Lead 2



O-RING INSTALLATION:

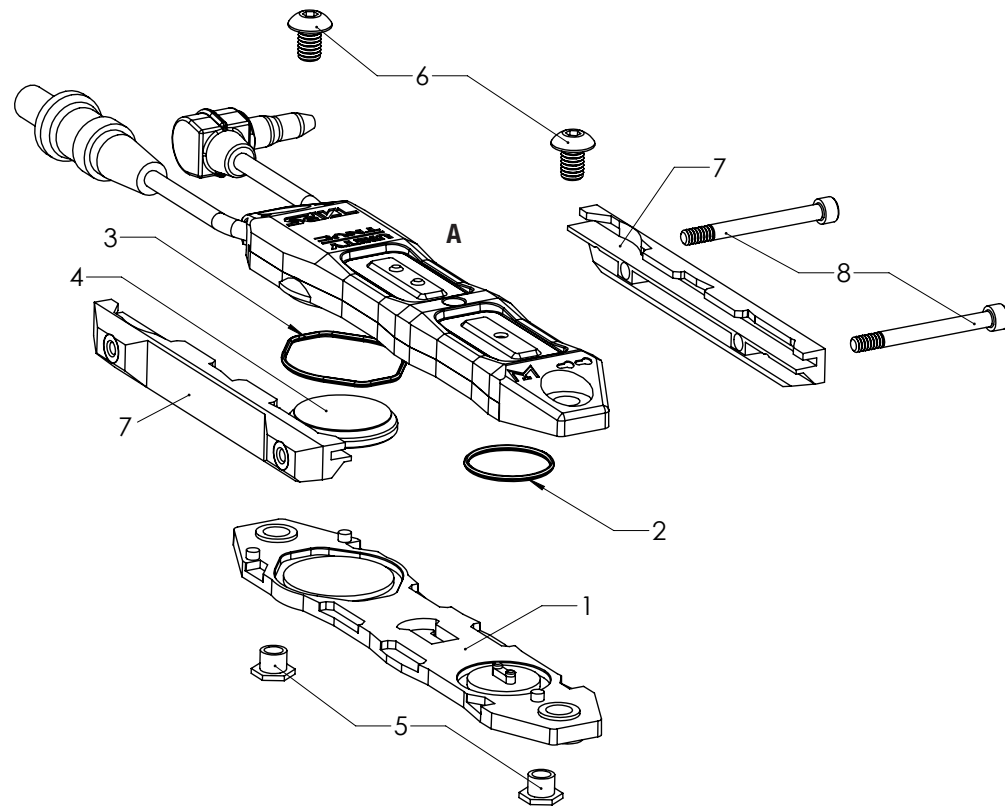
Note: Do not use harsh cleaning chemicals on the O-Rings

1. The O-Rings come with a light coat of grease - Do not remove this.
2. Install the O-Rings over the bosses, ensuring not to twist them.



INSTALLATION ONTO MLOK OR KEYMOD RAIL:

1. Ensure weapon is unloaded!
2. Install O-Rings (2 & 3) according to O-Ring instructions. Ensure that they are clean and that there is no dirt or debris on them.
3. Insert 2032 Battery (4) into TAPS.
4. Press Baseplate (1) and TAPS (A) together. Ensure O-Rings and battery are in correct location.
5. Insert Lock Nut Screws (10) through TAPS (A) into Lock Nuts (9) – Do not tighten.
6. Orient Lock Nuts (9) so that the long edge is parallel to TAPS (A).
7. Insert assembled TAPS unit (A) onto MLOK or Keymod Rail ensuring Lock Nuts (9) pass through rail.
8. Tighten Lock Nut Screws (10) while pulling TAPS (A) lightly away from rail to ensure Lock Nuts (9) engage.



INSTALLATION ONTO A 1913 RAIL:

1. Ensure weapon is unloaded!
2. Install O-Rings (2 & 3) according to O-Ring instructions. Ensure that they are clean and that there is no dirt or debris on them.
3. Insert 2032 Battery (4) into TAPS.
4. Press Baseplate (1) and TAPS (A) together. Ensure O-Rings and battery are in correct location.
5. Insert Compression Nuts (5) into the bottom of the baseplate (1).
6. Insert Compression Screws (6) into the top of TAPS (A) securing them tightly.
7. Place TAPS (A) on rail in desired location.
8. Secure TAPS (A) in place with Rail Grabbers (7) – Note, they go onto the unit in one direction only.
9. Secure Rail Grabbers (7) with Rail Grabber Screws (8) – Do not overtighten.

NOTE: READ ALL NOTES THOROUGHLY BEFORE USING TAPS PRO

1. Both devices must be functional (with batteries installed) and attached to the taps in order to program the buttons. Ensure the laser is in an eye safe visible setting before continuing. Do not ever look directly into laser apertures. Taps should be installed on a rail to program as this ensures optimal battery contact.
2. Button 1 must be pressed prior to pressing the program button to wake the unit from sleep. The programming button will not respond if the taps unit is in sleep mode.
3. To test that everything is installed correct press the button assigned to lead 1 - the light should activate in the default mode (constant on). This is the factory default setting.
4. The programming button requires very little pressure to activate, it is possible to damage the programming switch if too much pressure is applied.
5. Each button must be programmed separately... The programming routine will need to be completed twice to program both buttons.
6. If the unit does not enter programming mode, contact unity or tnvc for additional troubleshooting.
7. The "double tap for constant" mode should not be used with devices that have a built in "double tap for constant" function (most aiming lasers). This includes when used in "slaved" mode.

PROGRAMMING EXAMPLE 1

Desired Outcome:

1. **Button 1 – light in constant mode**
2. **Button 2 – slaved (light & laser) in momentary**
3. **Auto-off set to 30 minutes**

Program Button 1

1. Selector board set to "1"
2. Press button 1 to prep for programming
3. Press programming button - light / laser will flash 3 times
4. Press button "1" one time - light / laser will flash 1 time to indicate selection of "non-slaved" mode
5. Press button "1" one time - light / laser will flash 1 time to indicate selection of button 1
6. Press button "1" twice quickly - light / laser will flash 2 times to indicate selection of "constant" mode
7. Press button "2" one time - light / laser will flash 3 times to indicate selection of "30 minutes"
8. Light / laser will flash 5 times to indicate completion of programming routine.

Program Button 2

1. Press button 1 to prep for programming
2. Press programming button - light / laser will flash 3 times
3. Press button "1" two times - light / laser will flash 2 times to indicate selection of "slaved" mode
4. Press button "2" one time - light / laser will flash 2 times to indicate selection of button 2
5. Press button "1" one time - light / laser will flash 1 time to indicate selection of "momentary" mode
6. Press button "2" one time - light / laser will flash 3 times to indicate selection of "30 minutes"
7. Light / laser will flash 5 times to indicate completion of programming routine.

PROGRAMMING EXAMPLE 2

Desired Outcome:

1. **Button 2 – light in momentary mode**
2. **Button 1 – laser in constant mode**
3. **Auto-off set to 60 minutes**

Program Button 1

1. Selector board set to "2"
2. Press button 1 to prep for programming
3. Press programming button - light / laser will flash 3 times
4. Press button "1" one time - light / laser will flash 1 time to indicate selection of "non-slaved" mode
5. Press button "2" one time - light / laser will flash 2 times to indicate selection of button 2
6. Press button "1" one time - light / laser will flash 1 time to indicate selection of "momentary" mode
7. Press button "2" two times quickly - light / laser will flash 4 times to indicate selection of "60 minutes"
8. Light / laser will flash 5 times to indicate completion of programming routine.

Program Button 2

1. Press button 1 to prep for programming
2. Press programming button - light / laser will flash 3 times
3. Press button "1" one time - light / laser will flash 1 time to indicate selection of "non-slaved" mode
4. Press button "1" one time - light / laser will flash 1 times to indicate selection of button 1
5. Press button "1" one time - light / laser will flash 2 times to indicate selection of "constant" mode
6. Press button "2" two times quickly - light / laser will flash 4 times to indicate selection of "60 minutes"
7. Light / laser will flash 5 times to indicate completion of programming routine.

Troubleshooting:

Q. The Light or Laser Fades In / Out while in "Constant" on Mode.

A. The CR2032 Battery in TAPS should be changed, or it is making imperfect contact. Only use high quality batteries.

Q. There is a gap between the switch and the baseplate.

A. The O-Rings are not seating fully. Check to ensure there are no twists and ensure a light coat of grease is applied.

Q. If the battery life is approximately 3000 Hours, how often should I change it?

A. We suggest changing the battery at least yearly.

Q. I am using "Double Tap for Constant" and my Laser remains activated and I cannot turn it off.

A. "Double Tap for Constant" should not be programmed for devices that have a native "Double Tap for Constant" feature. "Momentary" mode should be used for these devices to achieve "Double Tap for Constant" functionality.

Q. None of these troubleshooting steps have helped my specific issue.

A. Please complete the TAPS Technical Submission form at www.UnityTactical.com/TAPSTech

STEP	FUNCTION	ACTION	RESULT
STEP 1	Wake switch from sleep	Press button 1	Device activates
STEP 2	Enter programming mode	Press programming button	Both devices flash 3 times
STEP 3	Program for slaved mode	Button 1 single press = not slaved	Both devices flash 1 time
		Button 2 single press = slaved mode (one button activates both devices)	Both devices flash 2 times
STEP 4	Select button to be programmed	Button 1 single press = button 1 to be programmed	Both devices flash 1 time
		Button 2 single press = button 2 to be programmed	Both devices flash 2 times
STEP 5	Select which program to assign	Button 1 single press = momentary	Both devices flash 1 time
		Button 1 double press = constant	Both devices flash 2 times
		Button 2 single press = double tap constant	Both devices flash 3 times
		Button 2 double press = tap for constant, press & hold for 2 or more seconds for momentary	Both devices flash 4 times
STEP 6	Select an auto-off time (time before devices automatically turn off when in a constant mode)	Button 1 single press = 1 minute	Both devices flash 1 time
		Button 1 double press = 5 minutes	Both devices flash 2 times
		Button 2 single press = 30 minutes	Both devices flash 3 times
		Button 2 double press = 60 minutes	Both devices flash 4 times
STEP 7	Complete programming	None	Both devices flash 5 times

LIFETIME WARRANTY

Unity Tactical, LLC. and TNVC, hereafter Companies, warrants its products to be free from defects in material and workmanship for the lifetime of the product from the date of purchase. During this period if the product is found to have defects in material or workmanship, Companies will at its option and without charge, either repair or replace the product with the same product, or if unavailable, a product of comparable specifications and value.

The above warranty shall not apply to the following:

1. Any product that has been subject to abuse, misuse, neglect, alteration, abnormal use or accident.
2. Any defects or damage directly or indirectly caused by the use of unauthorized replacement parts and/or service performed by unauthorized personnel.

For warranty service, use the contact form located at <http://www.unitytactical.com/TAPSTech/>