

TEN-X TACTICAL

TX-12™

**SPECIAL TASK
WEAPON (STW™)**



OWNER'S MANUAL

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Thank you for choosing the TX-12™ Special Task Weapon (STW™)

The industry's first underslung, double action, ambidextrous, lightweight, weapons system that maintains Primary Weapon Readiness (PWR™). Initially designed for the AR-style family of weapons, the TX-12™ STW™ can be customized to meet your specific requirements by contacting Ten-X Tactical.

SAFETY

Please read this Instruction Manual COMPLETELY before handling your firearm. Firearms can be dangerous if improperly handled. These are some reminders for your protection as well as the safety of others. Firearms can be dangerous and can potentially cause injury, damage to property, or death if improperly handled.

You are the owner/operator and have complete responsibility for the safe handling and operation of this firearm.

- Keep all firearms and ammunition out of the reach of children.
- Never point a firearm at anyone or in any direction other than a safe direction.
- Always assume and treat the weapon as if the weapon is loaded.
- Keep your fingers off of the trigger until ready to fire.
- Never store or transport the weapon while it is loaded.
- Be aware of your target and beyond.
- Always use the proper factory loaded ammunition with this weapon (12 gauge, 2- $\frac{3}{4}$ " or 3" shells) in accordance with standards established by Sporting Arms and Ammunition Manufacturer's Institute (SAAMI).
- Be alert for signs of Ammunition malfunction. Signs can include, but are not limited to, light recoil or off/no sound when fired.
- Wear hearing and eye protection when operating this firearm.
- Keep your hands, fingers, and other body parts away from the muzzle to avoid injury or burns.
- Never consume alcoholic beverages or take any prescription medication that is known to affect muscle control or mental ability for a reasonable amount of time prior to and during use of this weapon.
- Read and heed all warnings in this manual, ammunition boxes, and all accessories that you install on your firearm. It is your responsibility to secure the most up to date information on the safe handling and operation of this weapon. Ten-X Tactical assumes no liability for incidents which occur when unauthorized, unsafe, or improper alteration, accessories, ammunition, or handling are used.
- If you do not understand any material in this manual or have any questions, contact a qualified gunsmith or Ten-X Tactical directly.

FEATURES

Introduction

This firearm is primarily intended for Law Enforcement and Military use. When configured with its standard Fire Control Module (FCM), the TX-12 STW™ has been classified by the Firearms Technology Branch (FTB) of BATFE as a Destructive Device (DD) under the National Firearms Act (NFA). When the FCM being used is the Pistol Grip style, the FTB has classified the TX-12 STW™ as an AOW (Any Other Weapon) under the NFA.

Weighing less than 1 kilo (2.2 lbs), it is the world's lightest STW™ designed for mounting under a primary rifle. The lightweight design enable it to be attached underneath the primary weapon allowing the operator to use their weak (or off hand) hand to operate the STW™ while maintaining Primary Weapon Readiness (PWR™) with their strong hand. Maintaining PWR™ eliminates the transition time from using the STW™ to the primary weapon. Reduced operator fatigue is another result of the lightweight design. The low profile design also preserves the popular Close Quarters Battles (CQB) tactical hold ahead of the magazine well. The optional Pistol Grip design allows the TX-12 to be positioned further forward on the lower rail. This also provides operators with the additional forward stability they desire.

The single shot system gives the user the ability to quickly change the type of 12ga munitions to be deployed, giving the operator ballistic options to react in a dynamic environment.

Description

- The TX-12™ is an ambidextrous, double action, single shot, smooth bore weapon chambered to accept up to a 3", 12 gauge shotshell.
- The ammunition is fed into the chamber via a dropaway breech block.
- The TX-12™ uses a double action trigger.
- The system (including mounts) weighs less than 1 kilogram (2.2 lbs.).
- The TX-12™ can be mounted to MIL-STD-1913 Picatinny rails.
- The industry-standard, threaded Barrel Standoff Device (BSD) for the TX-12™ ensures the muzzle is the optimal distance away from the intended object to be breached.
- The TX-12™ uses the primary weapon sights. See sighting the weapon below for instructions on how to use the primary weapon sight for the TX-12™.
- The overall length of the primary TX-12™ configurations are:
 - 43.8 cm (17.25") including 26.7 cm (10.5") barrel & BSD (AR/M16 receiver with 40.6 cm (16") barrel)
 - 36.2 cm (14.25") including 19.1 cm (7.5") barrel & BSD (AR/M16 receiver with 36.8 cm (14.5") barrel)
- Barrel is fixed cylinder bore.

OPERATION

Assembly

The TX-12™ consists of the following:

- TX-12™ STW™ with a door beaching threaded BSD. Accepts other manufacturers threaded barrel attachments/devices with 7/8"-24 TPI internal threads.
- MIL-STD-1913 Picatinny Rail Mount.



- Removable Fire Control Module; either Standard Grip (DD) (Fig. 1) or Pistol Grip (AOW) (Fig. 2).



When you receive your weapon:

- Open the action by pushing up on the T-Handle. The Breech Block is spring loaded and will swing open (Fig. 3) on its own.



- Ensure the weapon is unloaded.
- Check and remove any obstructions from the barrel and chamber.
- Close the Breech Block assembly.

- Attaching the TX-12 with the Pic Rail Mount
 - Ensure the primary weapon is unloaded and set on safe.
 - Loosen the retained hex nuts on the cross-bolts of the mount. **DO NOT** loosen all the way past the tension from the staking on the bolt, as this will cause the nut to no longer be retained when loosened again.
 - Attach the weapon to the preferred Picatinny rail on the primary weapon at a location that will allow the operator to comfortably operate the TX-12™, as well as the primary weapon.
 - Be sure the greatest number of cross bolts and mount lugs are engaging the Pic rail (up to 5). This will ensure the most efficient transfer of energy from the TX-12 into the primary weapon. This will also spread out the load per contact point and reduce any possible wear to the Pic rail. (Fig.4)



Fig. 4

↑
Hex Nut

↑
Hex Nut

- Tighten the retained hex nuts to the cross-bolts to a maximum of 7.3 N-m (65 in-lb). **NEVER** over tighten hex nuts. Pre-set torque wrenches are available from Ten-X, and most gunsmithing supply companies.
- Check BSD to ensure it is properly installed.
 - Be sure the BSD is not loose or in need of being replaced.

Handling

The front surface of the receiver is contoured as a grip to assist in holding the primary weapon against the operator's shoulder. (Fig. 5)



Fig. 5

The operator can alternatively use the magazine well as a grip when using the TX-12™. (Fig. 6) If the optional Pistol Grip FCM is being used, that will become the forward grip for the operator.



Fig. 6

The operator can maintain situational awareness and maintain PWR™ when selecting to use the TX-12™. The spur located on the rear of the standard trigger guard is used to more easily locate the trigger without looking at the TX-12™.

Loading

- Open the action by pushing up on the T-Handle, located on the top rear of the receiver. (Fig. 7)



Fig. 7

- Ensure the chamber is clear.
- Load a single round into the chamber, while ensuring the extractor has returned to its correct position under the shell rim and flush to the breech face. (Fig. 8)



Fig. 8

- The rim of the newly inserted round ***MUST NOT*** fall behind the extractor before closing the breech block, or this will cause the breech block to fail to close and may result in damage to the extractor and other parts.
- Swing the firing mechanism closed in a positive motion until the T-handle solidly locks on the mechanism. If necessary, push the T-Handle down into position.

Unloading

- Open the action by pushing up on the T-handle allowing the spring loaded action to open without assistance.
- The extractor pushes the ammunition from the chamber.
- Clear ammunition from the action using your weak/off hand.

Firing

The TX-12™ is a double action weapon. The weapon is fired by pulling the trigger. The trigger action is reset by allowing the trigger to travel to its forward position and the action is ready to be fired.

- Load the TX-12™.
- Locate the trigger, while in the CQB hold, with your weak/off hand.
- When ready to fire, pull the double action trigger.
 - The double action trigger pull of the TX-12™ is approximately 13 lbs.
- In the event of a hang fire or misfire
 - Release the pressure on the trigger allowing the trigger to travel to its forward position to reset the action.
 - Pull the trigger again.
- **NEVER DRY FIRE** THE TX-12™ STW™ without a correct, caliber specific dummy round, snap cap, or the like, being inserted into the chamber. As with all weapons that have this style of firing pin, dry firing the weapon will lead to a deadened spring and increased probability of a failure to fire a round.

Sighting in the TX-12™

The TX-12™ is primarily designed for door breaching and CQB. Weapon sights are not required for this operation. When the TX-12™ is properly installed, the windage alignment is the same as the primary weapon barrel and the elevation is parallel to the primary weapon barrel.

The TX-12™ can be used for short distance engagements using the primary weapon sight. With the large variety of ballistic options available (slugs, shot, non-lethal, etc.), the operator needs to characterize the ammunition to be used in the TX-12™ to the primary weapon sights prior to engagement.

To characterize the primary weapon sights for the TX-12™:

- Check that primary weapon sight is zeroed in for the primary weapon.
- Ensure primary weapon is safe and the magazine and chamber are empty.
- Mount the TX-12™ to the primary weapon, if not already mounted to it.
- Set up targets at desired distance.

- Load TX-12™ as described in the Loading and Firing Section.
- Do not change the primary weapon zero point.
- Aim the primary weapon 10 cm (4") above primary weapon zero point
 - Fire TX-12™ and note the impact point.
 - Reload the TX-12™ with the same type of ammunition and, without adjusting the primary weapon sight setting, use a new elevation aim point either higher or lower than the initial aim point. Fire the weapon and repeat this step until the operator has characterized the sights for their ballistic option and distance.
- After the operator has completed characterizing the primary weapon sight to the TX-12™, open the TX-12™ action and ensure the weapon is empty.

Field Removal of Fire Control Module (FCM)

Dismounting the TX-12™ from the primary weapon is not necessary to remove the FCM. The FCM can be removed in the field without special tools. Any further disassembly is to be accomplished at an authorized depot or by Ten-X Tactical.

- Fire Control Module (FCM):
 - Set primary weapon on safe.
 - Ensure weapons (primary and TX-12™) are unloaded
 - Locate the takedown pin on the left side of the Breech Block, which is holding the FCM in place. This is a captive pin, so it will not be lost in the field.
 - Using a bullet tip, or other small and narrow object, push in the takedown pin from the left side of the Breech Block until it reaches its limit on the right side. There is a click when it has engaged a retention pin at its limit.
 - Pull the FCM out of the action by pulling the FCM rearward and out until it clears the Breech Block.
 - Reverse the operation to install the FCM.

CLEANING

Before performing any cleaning procedure, always make certain that the primary weapon and the TX-12™ are unloaded and that the primary weapon is on safe. The TX-12™ is recommended to be cleaned while mounted on the primary weapon so that the user does not need to go through the mounting and sighting in process. The primary weapon can also be cleaned while the TX-12™ is mounted to it.

TX-12™ Cleaning

- Ensure the primary weapon is safe and unloaded.
- Ensure the TX-12™ is unloaded.
- Open the TX-12™ action by pushing the T-Lock up.
- Using a 12 gauge shotgun cleaning rod with a tip and patch large enough for a snug fit in the barrel, insert the rod and a lightly oiled patch in the muzzle end of the barrel and run back and forth several times.
- Inspect the barrel for leading and plastic residue. The residue will appear as longitudinal streaks in the barrel. Nominal amount of either is common and is not serious.

- If residue is excessive, it can be removed by brushing the bore with a brass brush attached to the cleaning rod and powder solvent. Push the brush fully through the barrel to prevent bristles from breaking off in the barrel.
- Run a clean dry patch through the barrel.
- Remove and inspect the FCM for any debris in it.
 - Reinstall the FCM
- Add a drop of oil to springs and metal on metal rubbing contact.
- Inspect the barrel, chamber, and FCM and remove any patches or other items from them.
- No further cleaning is required.

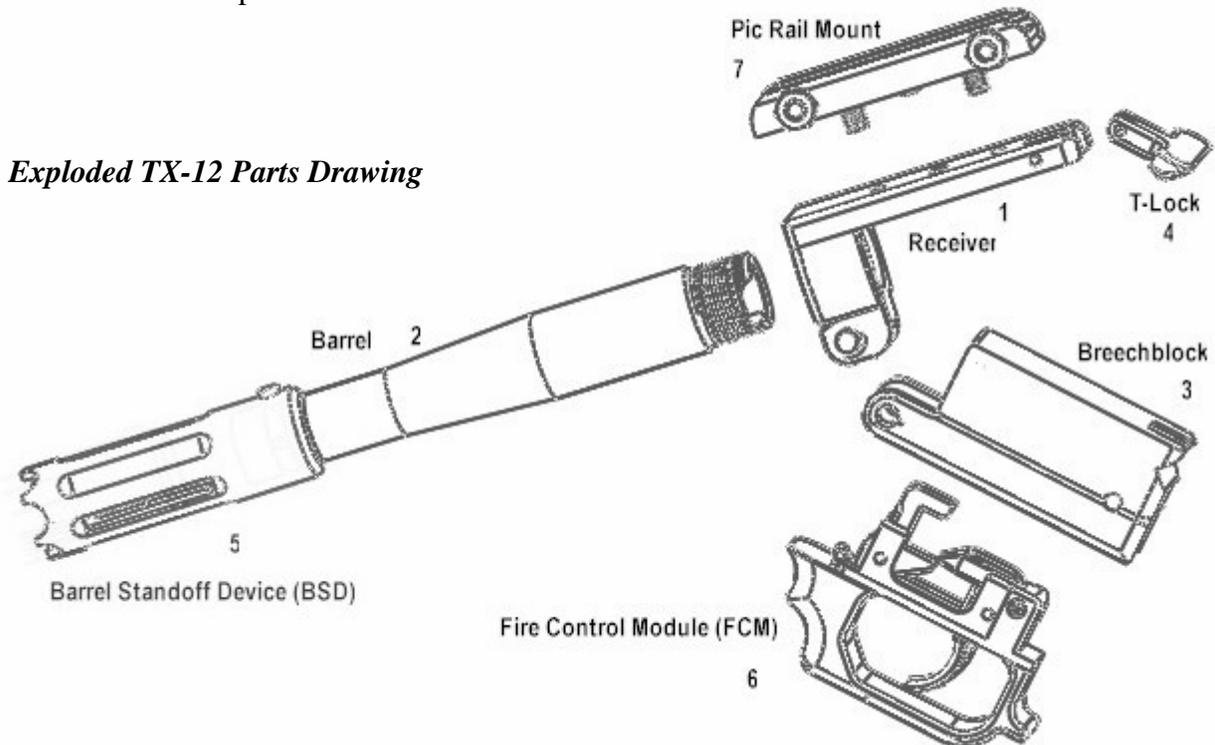
Primary weapon cleaning while TX-12™ is attached

These instructions are for the AR/M4 series primary weapon:

- Ensure the primary weapon is safe, unloaded, and remove magazine.
- Ensure the TX-12™ is unloaded.
- Open the TX-12™ action.
- Turn the weapon over and grasp the weapon over the upper receiver with your thumb under the TX-12™ receiver.
- Push out the rear takedown pin on the lower receiver.
- Swing open the primary weapon lower receiver while maintaining control of the weapon with your thumb in the magazine well.
- Clean the primary weapon per normal procedures.

PARTS

The exploded drawing below is provided for parts identification only and should not be used as a guide to assemble weapons. Use an approved depot or Ten-X Tactical if any modification or repair is needed.



Service

If your weapon requires service, modification, or for technical questions, contact Ten-X Tactical at:

Ten-X Tactical
8722 Lanyard Court
Rancho Cucamonga, CA 91730-0804
www.tenxammo.com
(909) 946-8369

Please contact Ten-X for shipping instructions prior to shipping any weapons.

When returning weapons to Ten-X, you must do the following:

- Obtain shipping authorization from Ten-X.
- Ensure weapon is completely unloaded and dismounted from the primary weapon.
- Enclose any relevant letters or copies of emails with the weapon that clearly describes the trouble encountered or modifications required.
- Package the weapon securely in a container.
- Never send ammunition unless specifically authorized by Ten-X.

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TEN-X TACTICAL

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