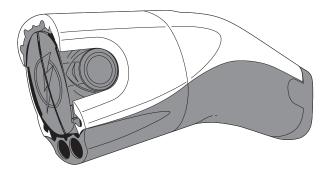


# TASER Bolt CEW User Manual





#### **IMPORTANT SAFETY INSTRUCTIONS**

Read all warnings and instructions. Save these instructions.

The most up-to-date warnings and instructions are available at www.TASER.com

MMU0061 Rev: A

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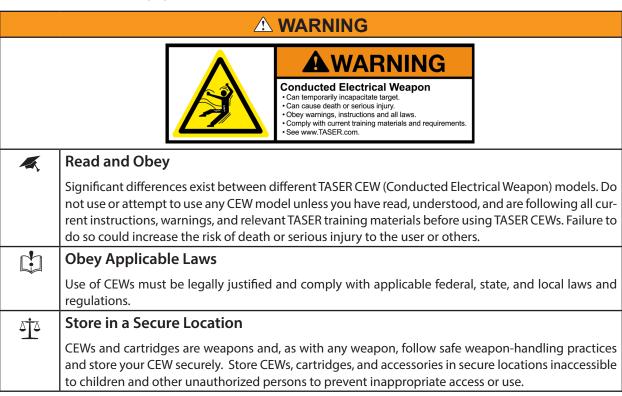
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# **Chapter 1: Warnings**

# **Important Safety and Health Information**

These safety warnings are for your protection as well as the safety of others. Disregarding this information could result in death or serious injury.



For a complete list of product warnings, go to www.TASER.com.

# **Chapter 2: Ownership**

Do not point the CEW at any law enforcement officer or do anything that would cause law enforcement officers to feel threatened by your use of the CEW. Because the TASER CEW is able to incapacitate a person, law enforcement officers may be justified to use lethal force to protect themselves.

Do not give a TASER CEW away as a gift or sell it without completing the transfer notice at http://communities. taser.com. For more information, see the *Legality* section of this manual.

Taking a TASER-brand CEW out of the United States (US) without the proper export license is prohibited by law (similar prohibitions may exist in other countries).

**DO NOT** carry a TASER CEW, battery pack, or cartridge on a commercial aircraft. According to the 2012 IATA Dangerous Goods Regulations for commercial airplanes, TASER CEWs, battery packs, and cartridges ARE NOT ALLOWED on your person, in your carry-on baggage, or in your checked baggage aboard commercial aircraft. Please check with the TSA for the most recent regulations.

It is recommended that you carry the Bolt CEW only in a manufacturer approved holster or carrying case. Do not carry uncovered Bolt cartridges in your pockets as they can be fired by electrostatic discharge (static electricity).

# **Chapter 3: General Information**

#### What Is the TASER Bolt CEW?

The TASER Bolt CEW is a self-defense conducted electrical weapon manufactured by TASER International, Inc. TASER-brand CEWs are designed to use propelled wires or direct contact to conduct energy to affect the sensory and/or motor functions of the nervous system.

The Bolt CEW uses a replaceable cartridge containing compressed nitrogen to deploy two small probes that are attached to the Bolt cartridge by insulated conductive wires with a maximum length of 15 feet (4.6 m). The Bolt CEW transmits electrical pulses along the wires and into the body, which if used successfully will affect the sensory and motor functions of the peripheral nervous system to immobilize the body.

The Bolt CEW has an estimated useful life of five years.

## **Neuro Muscular Incapacitation (NMI)**

TASER technology is designed to use electrical pulses similar to those in your body's nervous system to cause stimulation that affects the sensory and motor nerves. Neuro Muscular Incapacitation (NMI) occurs when a CEW is able to cause involuntary stimulation of both the sensory nerves and the motor nerves to render an attacker temporarily unable to control movement. It is not dependent on pain and can be effective on subjects with a high level of pain tolerance.

Previous generations of stun guns could primarily affect the sensory nerves only, resulting in pain compliance. An attacker with a very high tolerance to pain (e.g., a drug abuser, person in serious psychological distress, or a trained, focused fighter) may not be affected by the pain or might be able to fight through the pain of a traditional stun gun.

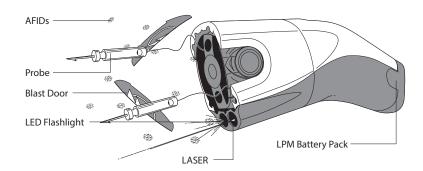
A CEW may cause NMI if probes are within sufficient proximity to complete a circuit, the probes have a sufficient spread, and an adequate circuit is completed and maintained.

## **Basic Bolt Electrical Theory**

- Electricity must be able to flow between the probes or the electrodes to deliver an electrical charge and will generally follow the path of least resistance.
- The greater the spread between the probes on the target, generally the greater the NMI effectiveness.
- Electricity will generally not pass to others in contact with the subject unless contact is made directly between or on the probes or the wires are touched.
- Exposure to water will not cause electrocution or increase the power to the subject (the electrical charge is fixed inside the TASER CEW, and will not increase significantly even with environmental changes).

• Medical studies have found that modern pacemakers and implanted cardiac defibrillators withstand external electrical defibrillators many orders of magnitude stronger than the TASER conducted energy pulses.

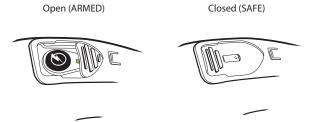
# **Chapter 4: TASER Bolt CEW and Cartridge Features**



# **Safety Cover**

The sliding cover acts as a safety switch to minimize the possibility of inadvertent activation of the trigger button. When the cover is open, the trigger button is exposed, the unit is ARMED, and an LED illuminates to indicate power to the CEW.

- Safety cover closed (SAFE).
- Safety cover open (ARMED) and ready to deploy. Be sure to slide the safety cover all the way open.
- If the Bolt safety cover is left in the open (ARMED) position for more than 20 minutes, the system will shut down to preserve LPM battery life.
- To re-arm the Bolt CEW, simply move the safety cover to the closed (SAFE) position, then back to the open (ARMED) position.



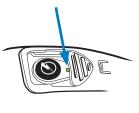
## **Power Supply**

The Lithium Power Magazine (LPM) is a lithium energy cell power supply system (battery) for the Bolt CEW. For low battery detection, the Bolt CEW will momentarily load the battery when first powered up (ARMED).

Do not store the LPM battery pack anywhere that the gold contacts on the top of the LPM battery pack may touch metal objects. If the LPM battery pack is short-circuited, it will malfunction.

The LPM battery has enough power for approximately 50 30-second firings depending on temperature, environment, and other factors. The LPM battery will deplete faster in colder weather than in warm weather. Left to itself in normal storage conditions, the LPM has a two-year life.

The power LED is located under the Safety Cover. An illuminated LED indicates the trigger button is ARMED. A green LED to indicates a "good" battery.



An orange LED indicates a "low" battery. In some conditions, especially low temperature ( $-4 \, ^{\circ}F/-20 \, ^{\circ}C$ ) the LED may display orange even if the battery has sufficient charge left.

## **Trigger Button**

The trigger button is located under the safety cover and is ARMED when the safety cover is in the open position.

In the event of an unintentional discharge, immediately move the safety cover to the closed (SAFE) position to stop the discharge cycle.

The trigger button is located just below the safety cover. When opening and closing the safety cover, avoid touching the trigger button with your finger or fingertip to avoid an unintentional discharge. The chance of accidentally pressing the trigger button is greater if you have long nails.

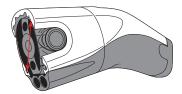


## **Spark Duration**

When the Bolt CEW is deployed with a single push of the button, it delivers an approximately 30-second Shaped Pulse energy burst of short-duration electrical pulses. This sparking will continue for 30 seconds unless the safety cover is moved to the closed (SAFE) position.

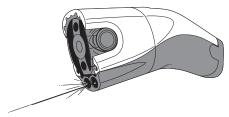
## **Electrodes**

The front of the Bolt CEW has two metal electrodes. These electrodes direct the charge to the electrodes on the cartridge to initiate deployment of the probes. In addition, the electrodes provide the ability to use the Bolt CEW in a "drive-stun" mode as a traditional stun gun.



## LASER and LED Flashlight

The LED flashlight illuminates whenever the safety cover is open. In addition, the optional LASER provides assistance for aiming and is the approximate orientation of the top probe.



### **Holsters**

All Bolt kits come with a soft holster, and additional styles may be purchased at buy.taser.com

## The TASER Bolt Cartridge



Fifteen-foot (4.6 m) cartridges are available for the Bolt CEW at buy.taser.com in both standard (black) and simulation (blue).

Bolt simulation cartridges are identifiable by their blue color. Simulation cartridges are intended for practice only. DO NOT use a Bolt CEW loaded with a simulation cartridge for self-defense. Simulation cartridges use non-conductive nylon line and will not transmit electrical pulses to the probes. A simulation cartridge will have no NMI effect on an attacker.

Although they are designed not to conduct electricity, simulation cartridges deploy probes and must be handled with the same precautions as other cartridges.

Use Bolt standard cartridges, which are black in color, for self-defense.

## **Avoiding Unintentional Discharge**

Never attempt to open or modify a Bolt cartridge. Tampering with a live Bolt cartridge could cause it to discharge or malfunction, which may result in serious injury.

Handle all Bolt cartridges with care. Probes may deploy unexpectedly if exposed to physical shock.

Additionally, the firing sequence for all Bolt cartridges is designed to be initiated by an electrostatic discharge delivered by the TASER CEW. This is an important design and functional element for the Bolt CEW and cartridge. However, an electrostatic discharge can come from many other sources such as rubbing cloth (i.e., jacket liner) across a cartridge in an environment known to create static shocks. When an electrostatic discharge, regardless of the source, contacts the front of a Bolt cartridge, it is possible for the cartridge to discharge (and even to discharge when not inserted into the CEW). Therefore, avoid contact between static electricity and the Bolt cartridge because static electricity can cause unexpected discharge.

Occasionally, cartridge blast doors will be knocked off the front of a cartridge. Because those cartridges cannot be relied upon to discharge, TASER International recommends disposing of these cartridges. TASER CEW operators should not attempt to fire a cartridge with no blast doors on it unless they are facing an immediate threat and do not have the time or option to reload. Attempting to deploy a cartridge with no blast doors could result in a charge being created and held in the wires. Any conductive material that comes into contact with the front of the cartridge, even after the cycle has ended, could draw the charge to the ignition pin and deploy the probes.

#### **Protective Anti-Felon Identification (AFID) Tags**

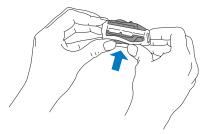
Every time a Bolt cartridge is deployed, 20–30 small confetti-like AFID tags are ejected. Each AFID tag is printed with the serial number of the cartridge. This revolutionary technology allows TASER to assist law enforcement in arresting criminals who would use our weapons for nefarious purposes.



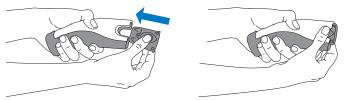
#### **Load the Bolt Cartridges**

Never place your hands, fingers, or any part of your body in front of the cartridge. This is especially important when loading or unloading the cartridge. When loading and unloading, always hold the cartridge on the sides.

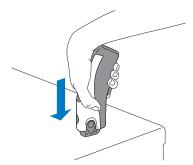
- 1 Point the CEW in a safe direction.
- 2 Ensure that the safety switch is in the closed (SAFE) position.
- 3 Remove the cartridge cover.



4 Keeping your hand away from the blast doors, place the cartridge into the front of the CEW, until is it approximately 90 percent inserted.



5 Gently press the cartridge against a firm, flat surface until it locks into place. Do not slam the CEW against the surface; doing so may damage the cartridge



6 Confirm that the cartridge is secure by gently pulling on the sides of the cartridge.

#### **Unloading Cartridges**

The Bolt cartridge is designed to ensure a secure fit when inserted in the Bolt CEW. The placement of the wire bundles behind the insertion tabs aids in providing a secure fit. It may be very difficult to remove a cartridge with the wire in place (that is, when the cartridge has not been deployed). To remove a live cartridge, follow these steps:

- 1 Ensure that the front of the Bolt CEW is pointed in a safe direction.
- 2 Ensure that the safety cover is in the closed (SAFE) position. Do not place any part of your hands or other body parts in front of the Bolt CEW.
- 3 Depress both tabs until the cartridge releases. Note that it might take two hands to depress the tabs.
- 4 Re-install the clear cartridge cover on the cartridge.

Removal of an expended cartridge does not require as much force because the wires are no longer behind the tabs.

The cartridges for the Bolt CEW are specifically designed so there is no "up" or "down" position – enabling you to quickly reload one in a stressful situation without worrying about putting it in upside down.

#### **Practicing with the Bolt CEW**

TASER recommends practicing with your Bolt CEW to become familiar with its functions and how it deploys.

Be aware of your surroundings when deciding where to place your training target. Ensure that the target has a firm backing (for example, cardboard or a foam board) that will allow the probes to stick and not bounce off and strike an unintended person or object. Do not use a wooden backing. Do not place the target anywhere a probe that misses or penetrates the target could cause damage or injury.

Do not discharge Bolt cartridges without using a target. Probes that do not strike a target may recoil back at you. We recommend using TASER conductive targets available on buy.taser.com and a thick, penetrable backing.

Training cartridges with blue blast doors and non-conductive wire are available for purchase through TASER International, but standard cartridges can be used with the conductive targets so that the sparking effect may be seen.

#### Safety first! Always treat your Bolt CEW as if it were loaded.

- Never put your hands or other body parts in front of the CEW, especially when changing the cartridges.
- Do not inadvertently point any cartridges at yourself or at anyone when loading.
- Cartridge covers must be removed prior to attempting to load.
  - 1 Point your Bolt CEW in a safe direction; load the blue Bolt simulation cartridge as described in the *Load the Bolt Cartridges* section in this manual while keeping your fingers away from the blast doors.
  - 2 Point your Bolt CEW towards the training target and slide the safety cover back to activate the LASER and arm the CEW.
  - 3 Aim your Bolt CEW at the training target; keep in mind that the LASER is within 2 to 3 inches (5 to 7.6 cm) of the point of impact for the top probe. Aim at the target's center of mass to improve the accuracy of the bottom probe, avoid canting or tilting the CEW.
  - 4 Remember that the bottom probe comes out at an 8-degree downward angle. The bottom probe will drop 1 foot (0.3 m) below the top probe for every 7 feet (2.1 m) that it travels away from the CEW. Stand about 10 feet (3 m) from your target. This will result in a probe spread of about 18 inches (0.46 m). Place the LASER high enough on the target so the bottom probe will hit the target.
  - 5 Press the trigger button once to discharge the blue Bolt simulation cartridge and activate the 30-second cycle. Remember that you can discontinue the discharge at any time by closing the safety cover.
  - 6 After the TASER discharge cycle ends, and the safety cover is closed, unload the expended blue Bolt simulation cartridge as described in the Unloading Cartridge section of this manual.

## **Aiming and Probe Placement**





For most deployments, hold the CEW level. Do not tilt the CEW unless it is necessary to align the CEW with the attacker.

Normally, aim the LASER at one of the large muscle groups (center of mass) such as the torso or thigh areas, etc.

#### Avoid head, face, throat, or groin exposure unless your safety or the situation dictates otherwise.

The top probe impacts the target near the LASER beam; however, the probe impact distance from the LASER beam can vary depending on numerous factors, including, but not limited to the distance, movement of the user or attacker, and environmental factors.

Be sure not to fire at a subject who is over 15 feet or 4.6 meters away (measure 15 feet or 4.6 meters to see how far this is – it will probably be further than you think). If you do deploy at someone more than 15 feet or 4.6 meters away, the probes will not have sufficient wire to reach them and may recoil back at you.

## **Using the Bolt CEW**

The Bolt CEW is a serious, state-of-the-art defensive weapon and should be treated accordingly. Although the CEW is designed to be as nonviolent as possible in stopping a combatant, its use can result in injuries, including but not limited to, a probe embedded in an eye or secondary injuries related to falling.

For a full list of warnings, see www.TASER.com.

The CEW is to be used only for lawful purposes, including lawful self-defense or in the defense of others. Check your state and local laws for applicable regulations. Depending on local and state laws, the Bolt CEW may be kept in the house for home protection, or carried in a car, purse, or backpack for personal protection when away from home. Be sure to research each state's applicable laws prior to possessing or transporting the CEW (including the transporting of the CEW across state lines and into other states where laws may vary). For a list of known laws related to CEWs, go to www.TASER.com.

A CEW is not a substitute for other preventive self-protection actions such as ensuring doors are locked, and parking in well-lighted areas.

## **Deployment Instructions for Self-Defense**

DO NOT use simulation (blue) cartridges for self-defense. A simulation cartridge will have no NMI effect on an attacker.

- 1 Remove the Bolt CEW from its holster and ensure that the Bolt cartridge is installed.
- 2 If a person approaches in a suspicious or threatening manner, move the safety cover to the open (ARMED) position.
- 3 Aim the LASER beam at the attacker's body.
- 4 Shout verbal commands to "get away," if feasible. It is possible that the person will flee based on the noise and LASER.
- If you determine that you need to deploy the Bolt CEW in self-defense, ensure that you are within 15 feet (4.6 meters) of the attacker.
- 6 Press the trigger button.
- 7 The TASER Safe Escape: Immediately put the Bolt down and escape to safety. The TASER Bolt is unlike most weapons in that it is built for you to escape to safety. After connecting with the target, the Bolt will continue to administer electricity for 30 seconds (and if used properly NMI will continue for 30 seconds) regardless of whether you are still holding the weapon. Therefore, put the Bolt on the ground and run to safety, call police, grab your children, or do whatever you need to do to ensure your safety with the 30 seconds the TASER Bolt has given you.
- 8 As soon as it is safe to do so, call 911 and report the specific location of the threat.
- 9 See below for the TASER Safe Escape Policy on how to get your TASER CEW replaced for free when used in Self-Defense and left at the scene.

#### "Silence is Golden"

The TASER CEW's electrical current is relatively quiet when both probes make direct contact with a human or animal and an electrical circuit is completed and maintained. In contrast, an open circuit or some practice conductive targets produce a loud sound when used because the energy is arcing in the air across the Bolt CEW's fixed electrodes.

If the electrical current is loud during field deployment, and the subject is not reacting as expected, the current may be shorting out and may not be effective. Deploy a second cartridge or consider other options in that situation.

#### Potential Causes of Reduced or No Effectiveness

Loose or Thick Clothing. If the probes lodge in clothing and are too far away from the attacker, CEW effectiveness is reduced and can be eliminated.

- Miss or Single Probe Hit. The electrical current must pass between the two probes in a completed and maintained circuit. If one probe misses, a second cartridge should be deployed if practical. Also, using the Bolt CEW in the drive-stun mode as described below may also complete the circuit between the single probe and the CEW electrode. You may also consider upgrading to the TASER X2 Professional Series (available on buy.taser. com), a two-shot device which fires a second cartridge immediately with a second trigger pull.
- Low Nerve or Muscle Mass. If the probes impact in an area where there is very little muscle mass (e.g., the side of the rib cage), the effectiveness can be significantly diminished.
- Limited Probe Spread. Small probe spreads (including drive-stun) result in little or no effect from NMI. They will however still function as a pain-control device.
- Wires Break. If a wire breaks (e.g., during a struggle), the current will not flow to the probes. Drive-stun may still be available.

#### What if I Miss?

The LASER sight is an extremely valuable aid for proper aiming. However, there is always the chance for a missed shot, especially in a dynamic, stressful situation, and you must be prepared to take alternative actions to protect yourself in case of a missed shot or reduced effectiveness. In the event that you shoot and miss, you can also use your Bolt CEW as a direct contact stun (drive-stun) device, which is designed for pain compliance.

#### **TASER Safe Escape Policy**

Do not hesitate to place the Bolt CEW on the ground and leave it at the scene of the attempted assault. At TASER, we value your life more than a piece of plastic and metal. If you successfully deploy your TASER Bolt to defend yourself, leave it at the scene and take advantage of the 30 seconds to escape.

TASER International will replace the TASER Bolt, C2, X26C, M26C, Pulse, X2, or X26P CEW free of charge, with the same product or a like product, at TASER International's option, if the Purchaser provides, within one year following the event, the following information to TASER International, 17800 North 85th Street, Scottsdale, Arizona 85255 Attn: Customer Service:

- · a copy of the official police report documenting the incident and the loss of the product;
- proof of purchase of the product (receipt, purchase order, or invoice);
- check or a credit authorization for the shipping and handling fees; and
- purchaser's name, physical address (no PO Boxes allowed), and phone number of where to send the replaced item.

Purchaser is responsible for any expedited shipping or handling costs for the replacement CEW. A replacement product assumes the remaining warranty of the original product or 90 days from the date of replacement, whichever provides longer coverage to the Purchaser.

TASER Safe Escape is not available or applicable: (a) on any international (Non-United States) sales or uses of TASER Citizen Products; or (b) to any Purchaser who uses the CEW for a commercial purpose.

#### **Contact Stun (Drive-Stun) Backup**

Contact Stun (also known as drive-stun) is the use of the TASER Bolt as a stun gun, rather than by firing darts. You can contact stun either with an already fired cartridge or without a cartridge installed. Probe deployment is usually considered more desirable if incapacitation is the desired objective, even at close range, because the drive stun is only a pain-compliance use.

When using the drive-stun, push the trigger button and push (drive) the front of the CEW firmly against the body of the attacker. Simply "touching" the Bolt CEW against the person is not sufficient. The subject is likely to recoil and try to get away from the stun electrodes. If the drive-stun is not effective, evaluate the location of the drive-stun and consider an additional cycle to a different pressure point.

# **Chapter 5: Maintenance and Care**

## **General Concepts**

The Bolt CEW is a sensitive piece of electronic equipment, and should be handled with care. Avoid dropping a Bolt CEW. Do not use a Bolt CEW that has a cracked handle.

- · Check the LPM battery pack regularly.
- · Perform a function test regularly.

Check the expiration of the Bolt cartridges (the five-year expiration is listed on the base of the cartridge). Do not use an expired Bolt cartridge.

- Secure the Bolt CEW in a protective holster when not in use.
- · Avoid exposing the Bolt CEW to excessive moisture or water.
- See the troubleshooting guide at www.TASER.com for additional instructions.

#### **Function Test**

A function test should be conducted every 30-60 days. The reasons for the function test include:

- · To verify the Bolt CEW is working.
- To verify that the LPM battery is in good condition.

To perform a function test:

- 1 Ensure that the safety cover is in the closed (SAFE) position.
- 2 Safely unload the Bolt cartridge. See the *Unloading Cartridges* section in this manual for more information.
- 3 Point the CEW in a safe direction (such as the floor) and ensure that your fingers and no part of your body are in front of the CEW.
- 4 Move the safety cover to the open (ARMED) position.
- 5 Press the trigger button and confirm sparking across the electrodes at a rapid rate. You do not need to function test the CEW for the full 30 seconds.
- 6 Move the safety cover to the closed (SAFE) position.

# **Changing the LPM Battery Pack**

To install or change the LPM battery pack:

- 1 Move the safety cover to the closed (SAFE) position.
- 2 Safely remove the Bolt cartridge.
- 3 To remove the LPM battery pack, depress the side buttons on both sides of the battery and remove the LPM battery pack from the handle of the CEW.
- 4 Install the new LPM battery pack. Ensure that the LPM battery pack is fully inserted into the Bolt CEW. Failure to do so could result in a damaged CEW or a loss of power during a deployment.

# **Chapter 6: Additional Items**

## **TASER Online Troubleshooting Guide**

A troubleshooting guide is available by visiting www.TASER.com. If you need product support on accessories or have any other questions, please contact consumer customer service at:

team@taser.com

+1.800.978.2737

To return a TASER product for service, first follow the procedures at http://communities.taser.com.

If the TASER CEW has been exposed to bodily fluids or other biohazards, contact TASER's service department at +1.800.978.2737 or +1.480.905.2000 for specific instructions BEFORE returning the weapon.

## Legality

The BATFE has classified our TASER CEWs as non-firearms because they use compressed gas, rather than explosives to launch the projectiles. Because TASER CEWs are not firearms, they may be carried without a permit in certain jurisdictions (check state and local laws for permit requirements in your area). Currently the TASER CEW is restricted from possession by citizen users in the following states: Hawaii, Massachusetts, New Jersey, New York, Rhode Island, Washington DC, and certain cities and counties. Check our website at www.TASER.com for a list of known state and local laws concerning TASER CEWs. Because state and local laws may change frequently, be sure to research the applicable laws in your area prior to using, possessing or transporting the CEW.

# **Warranty**

Please see the product warranty which came with your CEW. TASER's current product warranties are also available on www.TASER.com.

## **Warnings**

See the current product warnings that came with your CEW, for more information about your TASER product. TASER's current product warnings are also available on www.TASER.com.



Product functions and specifications may change without notice and the actual product may vary from the illustrations in this manual.

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