



Trainshot electronic unit & targets manual

This contains safety, handling, disposal, recycling, and regulatory information for Trainshot. Read all safety information and operating instructions before using Trainshot to avoid injury or harm. PLEASE READ THIS MANUAL CAREFULLY TO THE END BEFORE YOU START USING TRAINSHOT.

TrainShot s.r.o. company does not take any responsibility for any damage, injury or death caused by usage of Trainshot. It's user's responsibility for usage of Trainshot.

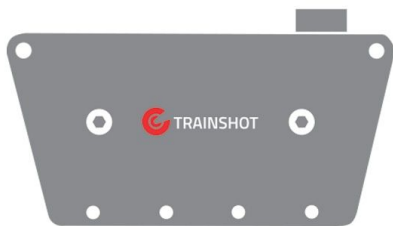
If you let Trainshot to someone else, advise him with proper usage of Trainshot.

Do not shoot to electronic unit. We do not offer any warranty for damage caused by shots to electronic unit. Parts of bullets shot to Electronic unit can cause injury or damage to your environment. Electronic unit with target must be placed on dedicated shooting places.

GENERAL INFORMATION

Trainshot is a smart electronic scoring system with the ability to detect which zone of the target was shot. This result is sent in real time to your smartphone or tablet. System is capable to watch up to 5 zones of the target. Trainshot can measure time of shooter reaction. Trainshot system is sport accessories for hobby or real guns.

PACKAGE CONTENTS



1x electronic unit



1x hex wrench

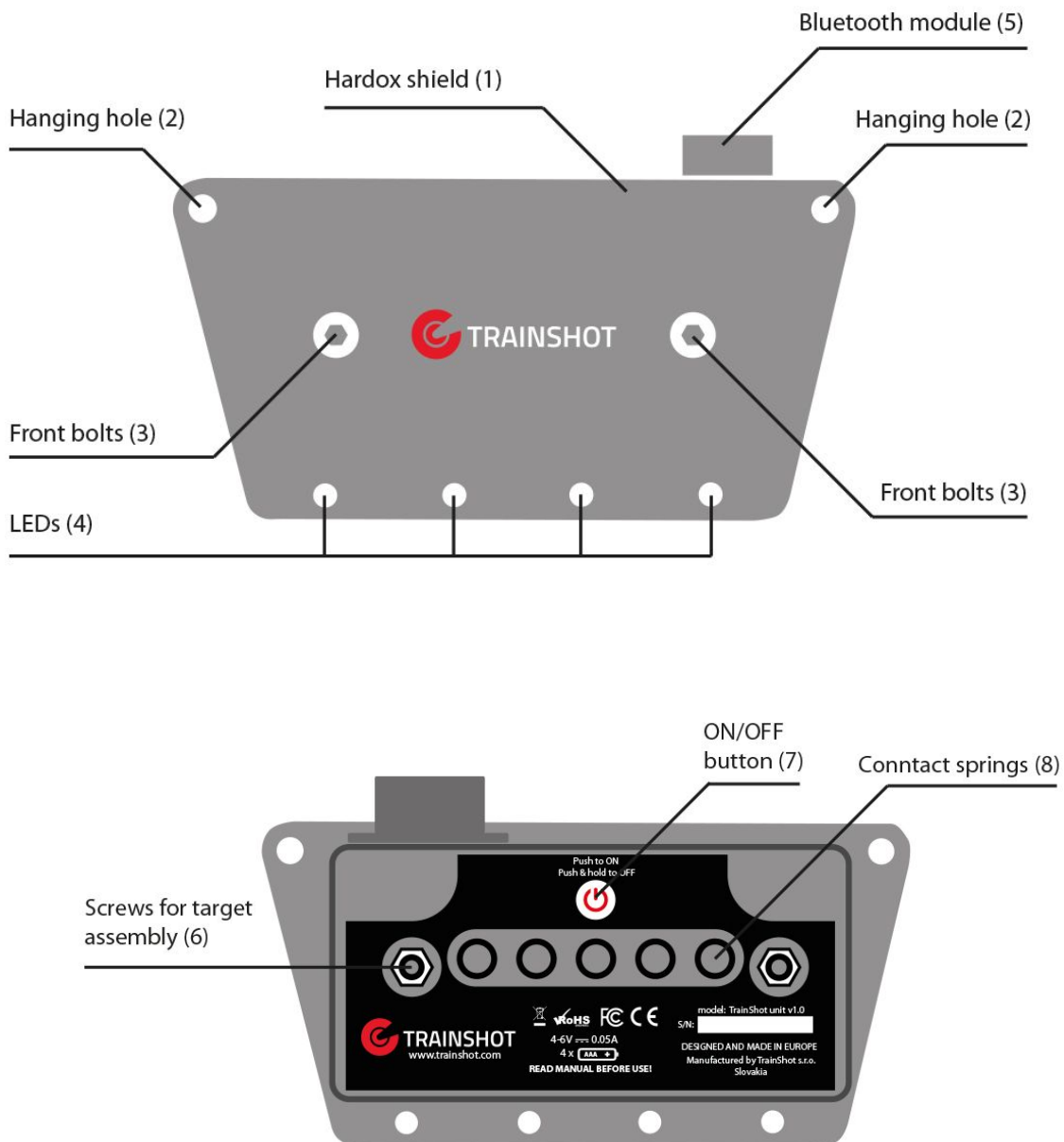


1x buckle



2x wing nuts

DEVICE DESCRIPTION



SAFETY PRECAUTIONS

- ALWAYS wear hearing protection and wrap-around shatter resistant eye protection.
- ALWAYS follow safety precautions for safe gun handling
- ALWAYS treat every weapon as if it were loaded.
- ALWAYS keep the weapon on safe until you intend to fire.
- ALWAYS keep your finger straight and off the trigger until you're ready to fire
- ALWAYS inspect the target for damage, functionality, stability, etc., before using.
- ALWAYS stand at least 10 meters (10 yards) from the target when using all types of guns.
- ALWAYS check before shooting and what is behind the target.
- ALWAYS use genuine Trainshot targets.
- NEVER shoot to Trainshot electronic unit.

NEVER point the weapon at anything you do not intend to shoot
NEVER use electronic unit that is cratered, pitted, or damaged in any way.
NEVER exceed a 20-degree angle of engagement.

TURN ON AND OFF ELECTRONIC UNIT

To turn on device push button (7) on the back side of the electronic unit.

To turn off, push and hold the button on the back side of the electronic unit until all LEDs turn off.

CONNECT ELECTRONIC UNIT TO YOUR MOBILE DEVICE

1. Download application for your mobile device.



www.onelink.to/j6gnt4

iOS: <https://itunes.apple.com/us/app/trainshot/id1437655241?ls=1&mt=8>

Android: <https://play.google.com/store/apps/details?id=com.animatechnika.trainshot&hl=en>

2. Turn on the electronic unit

3. Open TrainShot app on your mobile device and make sure that bluetooth is on and all permissions are enabled. (If you are not able to find your TrainShot unit, turn on location services on your mobile device.)

4. Connect to device and follow on screen instructions.



ELECTRONIC UNIT FIRMWARE UPDATE BY BLUETOOTH & FIRMWARE REPAIR

Trainshot mobile application is regularly updated and with some updates we are improving also firmware in Trainshot electronic unit.

If update during installation fail, firmware in electronic unit is damaged, this is why you sometimes cant see LEDs light on and system can not work properly.

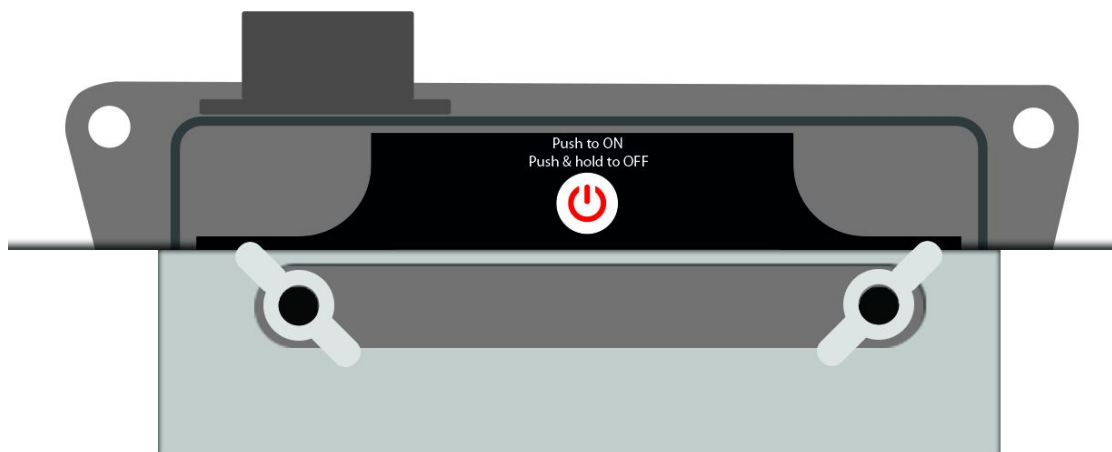
You can REPAIR firmware by following these steps:

1. PRESS & HOLD POWER BUTTON ON ELECTRONIC UNIT (DO NOT RELEASE BUTTON ON THE UNIT!!!)
2. IN APPLICATION: MENU -> CONNECT -> "DEVICE NAME" -> CONNECT (DO NOT RELEASE BUTTON ON THE UNIT!!!)
3. IN APPLICATION WAIT FOR "UPDATE FIRMWARE" screen (approx 5 seconds, or go to update in settings) and press button "UPDATE" (DO NOT RELEASE BUTTON ON THE UNIT!!!)
4. WHEN INSTALLATION PROCESS WILL BE ON 2% or more, you can RELEASE BUTTON.

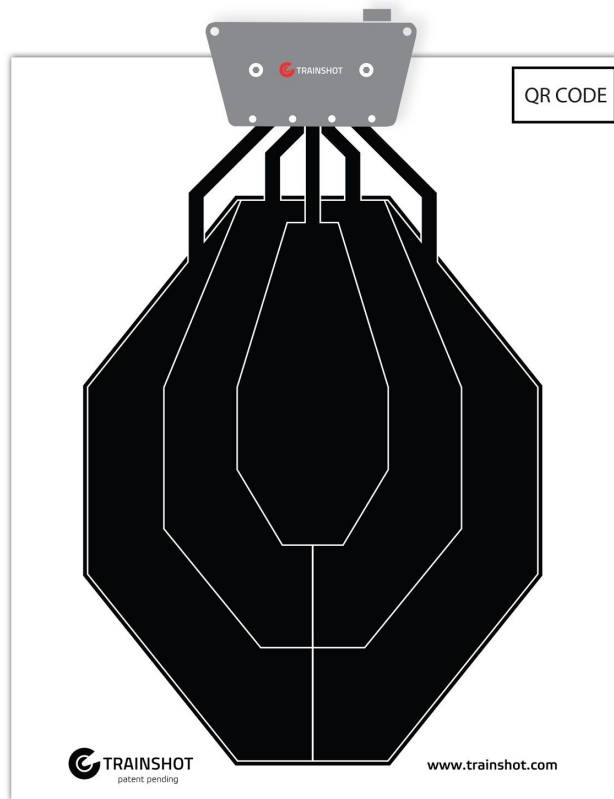
After 100% you can use your TrainShot system with new firmware.

CONNECT TARGET TO ELECTRONIC UNIT

1. Unscrew both wing nuts and remove steel buckle on the back side of electronic unit.
2. Attach target on electronic unit through both holes in the target. All springs have to touch each black line on the target.
3. Put the steel buckle back on the bolts and screw both wing nuts back to unit.



Backside of assembled target



Assembled Trainshot

PLACING TARGET ON THE SHOOTING RANGE

Electronic unit has to be hanged freely on the hanger through the dedicated hanging holes. Do not attach the electronic unit directly (with bolts, screws) on any non movable surfaces, like walls, trees, poles, etc. Do not place target in wet environment. This can cause malfunction of shot detection. App will inform you when the target is too wet to use.

HOW TO USE SHOOTING MODES

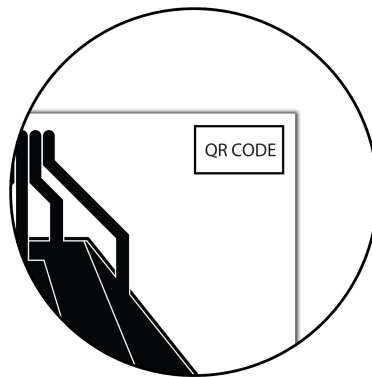
1. Turn on electronic unit.
2. Open Trainshot app.
3. Connect to target. (If you connected to electronic unit previously, it will reconnect automatically)
4. Choose one of the Training modes.
5. Scan QR code of the target which you are going to use. See About target.
6. For each Training modes rules open Trainshot application and tap on the Training modes.

ABOUT TRAINSHOT TARGET

Target is made of cardboard and special conductive layers which detects bullets flying through the target. To use and to assure proper function of the Trainshot paper targets follow these instructions.

TARGET SCANNING

Before the first use of Trainshot paper target you will be asked by app to scan the qr code located on the top right corner of the target. This action is necessary to assure that you will use only high quality original Trainshot paper targets. Each QR code can be used only once. Due this reason Trainshot paper targets has limited number of shots to 400 hundreds. You can see actual status of shots for currently used target in each Training mode under i button.



Location of QR code

BULLETS TO USE

Trainshot system can detect only metal bullets. Do not use bullets with coating, hollow point bullets, flat point bullets or bullets shorter than 4 mm (0.15 inch).

Recommended bullet types



- 9 mm Luger, 99,99% detection reliability
- 7.62 x 39 mm, 99,99% detection reliability
- .45 ACP bullet, 99,99% detection reliability
- .22LR, .223, 85% detection reliability (for small caliber targets contact us at info@trainshot.com)
- and other metal bullets

NOT recommended bullet types



- Plastic coating,
- teflon coating,
- bullets with painted coating,
- flat nose bullet,
- shorter bullets than 4 mm,
- plastic BB.

TARGET HUMIDITY

Is necessary to keep the target dry during shooting. Humidity can have negative impact to detecting shots. You can check the humidity of target in each Training mode under i button.

LAYERS HUMIDITY

From time to time could happen that, two conductive layers of the target will have permanent contact. You recognise that by permanently red colour on the electronic unit's LEDs. To remove short circuit wiggle in holes after bullets with some thin object like pen or finger in holes in defective area until LEDs go back to normal.

PRODUCT MAINTENANCE

Before every use:

1. Check if target is not wet or bended.
2. Check if batteries are not discharged.

After every use:

1. Do not leave empty batteries in electronic unit.
2. Check for any type of damage. If you spot some damage take out the batteries and replace damaged parts. See Replacement section.

After hit of electronic unit:

1. Check for damage on LEDs module (4).
2. Check if all nuts and bolts are fastened (3, 6).
3. Check for damage of bluetooth module (5).

If there is any type of damage on electronic unit. You can buy all spare parts on www.trainshot.com/shop.

BATTERY REPLACE

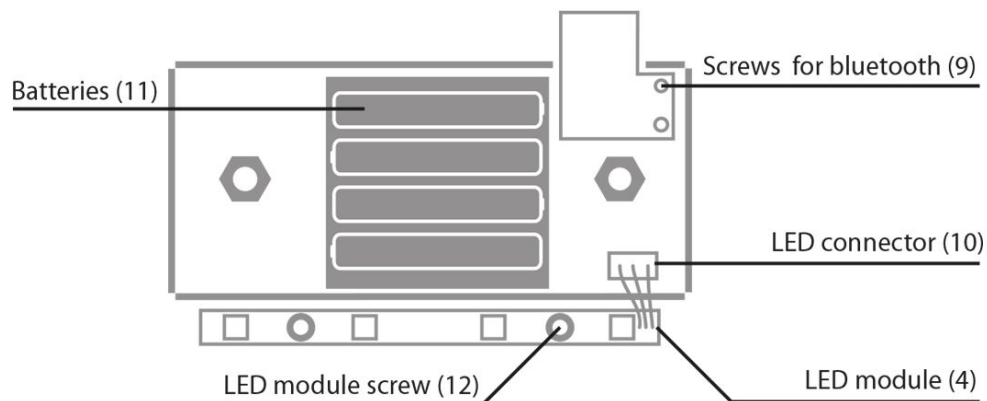
1. Unscrew two bolts (3) located on the front of electronic unit with included hex key.
2. Remove the front shield (1).
3. Replace all AAA batteries (11).
4. Put the front shield back and fasten the bolts tightly.

LED MODULE CHANGE

1. Unscrew two bolts (3) located on the front of electronic unit with included hex key.
2. Remove the front shield (1).
3. Unconnect the LED module connector (10) from electronic board.
4. Unscrew the LED module screws (12).
5. Replace the LED (4) module with original replacement part from <https://www.trainshot.com/product/spare-light-module/>

RADIO MODULE CHANGE

1. Unscrew two bolts (3) located on the front of electronic unit with included hex key.
2. Remove the front shield (1).
3. Unscrew the screws for bluetooth module (9).
4. Disconnect the bluetooth module and replace it with new from <https://www.trainshot.com/product/spare-antena-module/>
5. Turn on and off the electronic unit.



Inside the electronic unit

FAQ

Q: What is range of bluetooth radio module?

A: The range varies from 10 to 100 meters (32 - 320 yards) depending on environment and mobile device and it's orientation. If you need bigger range please contact us.

Q: App says that target is wet and LEDs are permanently yellow. What does it mean?

A: Target is very sensitive to humidity. The humidity can create short circuit between two conductive layers which detects bullet.

Q: App says that there is a short circuit on target and some of the LEDs are permanently red.

A: This mean that outer and inner conductive layers of target has permanent contact. To remove short circuit wiggle in holes after bullets with some thin object like pen or finger in holes in defective area.

Q: LEDs are dimmed and have wrong colours.

A: Batteries are empty. Replace batteries. See Battery replace section

REGISTERED TRADEMARKS

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WEEE

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service, or the shop where you purchased the product.

BLUETOOTH

Trainshot unit is connected to smartphone via bluetooth. The operating range of most devices is 30 meters (90 feet). The operating range of bluetooth depends on the device and way of holding the device. Please locate the bluetooth antenna on your device and try to cover it as less as possible during usage of Trainshot to ensure maximal possible range.

FCC

Contains: FCC ID: 2AB6YHM-1011

This device complies with Part 15 of the FCC Rules Sub-Part B and C and also with Canada ICES-003 and RSS-Gen. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B and C digital service, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Manufacturer

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