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# USER MANUAL

## Dashr | SILVER

### Quick troubleshooting guide

Visit online resources for instructions, FAQs, etc. -- [dashrsystems.com/resources](http://dashrsystems.com/resources)

Symptom	Actions
<b>T1:</b> Laser is not tripping on the module (Red/Green Light on module).	<b>T1.1</b> – Power the laser off and back on. This forces recalibration.
<b>T2:</b> Laser trip is not registering in the Dashr App.	<b>T2.1</b> – The lasers may have lost connection with each other. Close out of the app, open the drill and reconnect your equipment. Reinstall App if necessary.
<b>T3:</b> Laser is tripping for most but not all athletes.	<b>T3.1</b> – The athlete is likely running too close to the laser or too far from it. Have them run within 2.5-5ft of the laser.
<b>T4:</b> Laser is not connecting to the mobile device.	<b>T4.1</b> - Turn the laser off, then back on and retry. <b>T4.2</b> -Restart Bluetooth on the phone, restart the Dashr App, and re-connect the lasers. Reinstall App if necessary.
<b>T5:</b> Laser has disconnected.	<b>T5.1</b> – Your phone has lost connection with laser. Make sure your phone is not on the ground; remove phone's case (if present); make sure your body is not between the phone and laser; ensure the laser is connected to a charged battery.
<b>T6:</b> Getting the error "Check Stop Laser Alignment".	<b>T6.1</b> - This error occurs when a downfield laser is tripped for several seconds before the actual test begins - a check for the operator to make sure everything is aligned before timing.

### 1. Download our App

Dashr uses a mobile application to control the laser modules and display testing times. The free **Dashr** Wireless Timing App can be downloaded from both the Google Play Store and the Apple App Store.

*NOTE: Operation of the system requires that your phone has Bluetooth® turned on to connect to the laser modules. **Connection takes place in the App, not your phones' settings.***

### 2. Install/Open App

Make sure that your phone/tablet is properly charged before using the Dashr system. Open the Dashr App on your mobile device and log into your Dashr account. If you do not have an account, you can make one at [dashboard.dashrsystems.com](http://dashboard.dashrsystems.com). On the Dashboard you can create rosters, add athletes, create leaderboards, and connect with athletes to share their results with the **Dashr Player Profile app**.



Create Account



Player Profile Info

To do get athletes on your rosters, simply (*optional*):

1. Create an Advanced Roster on your Dashboard.
2. Have your athlete install the free Dashr Player Profile app on their phone.
3. Share the roster invite code with them.

### 3. Register your devices

All Dashr products (besides 2.0 and RFID modules) need to be registered with your phone or tablet. To do this, select "Device Registration" from the main page (or the + button at the top left) and power on your Dashr devices one at a time.

Each Silver laser comes with a rechargeable USB battery bank. The USB A to USB C cable included can be used to power the laser from the battery, but also charge the battery when not in use. **Now that you have one laser on, select it from the "Available Devices" list and assign it any number you want.**

There is a spot on your Dashr device where you can label your device with that number (marker included in case). **Repeat this for each device.** Note that this must only be done once per phone/tablet that uses the Dashr device(s).

FCC ID: R20170224, IC: 2015DJ2435  
Contains FCC ID: SH6MDBT40

Compliant with

(1) USA, FCC Part 15.209

(3) Japan: VCCI, V-3

(2) Canada, RSS-Gen, Issue 4

(4) AS/NZS CISPR 32:2015



Class 1 lasers are considered safe under normal use conditions and are no riskier than ordinary light. *Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment*

This device complies with Industry Canada's license-exempt RSSs. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

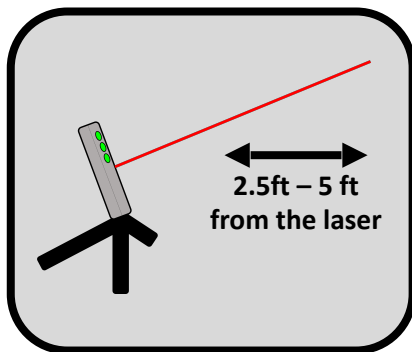
Cet appareil est conforme aux flux RSS exempts de licence d'Industrie Canada. Le fonctionnement est soumis aux deux conditions suivantes: (1) cet appareil ne doit pas causer d'interférence, et (2) cet appareil doit accepter toute interférence, y compris les interférences susceptibles de Provoquer un fonctionnement indésirable de l'appareil."

#### 4. Select a drill in the app

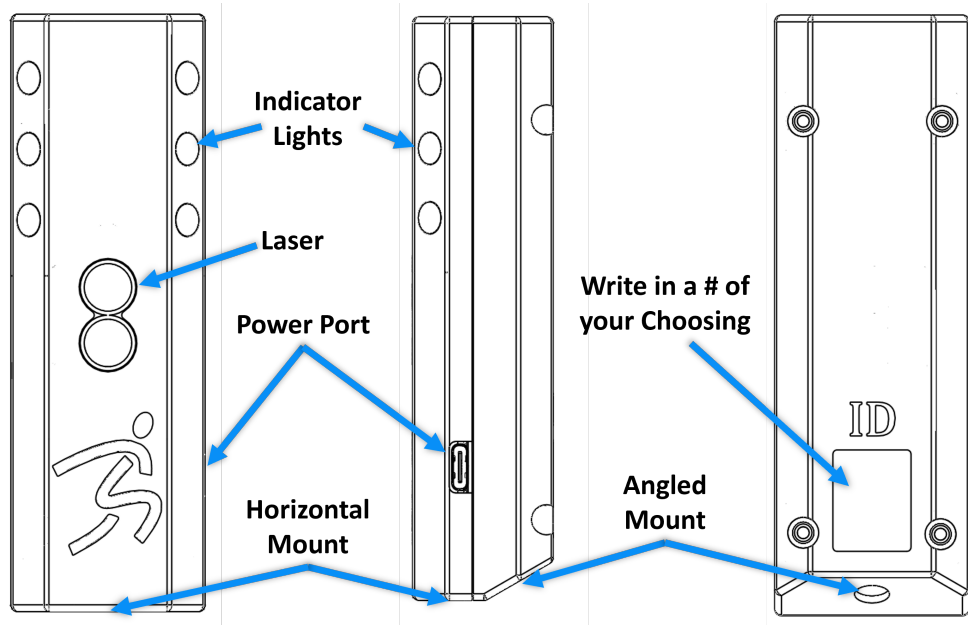
Once logged in, the main page of the app provides several options to select your desired drill. Once selected, each drill will present more information. You will select Silver, as you are using the Dashr|Silver series of lasers, to begin configuring devices for your drill. If you have any questions throughout the process, help and tips have been built into the app at each stage in addition to further support on the website. [www.dashrsystems.com/drills](http://www.dashrsystems.com/drills)

#### 5. Set-up your timing gates

Take out the required number of Silver laser(s), open the tripod(s), and place where desired. The lasers can be angled or horizontal depending on how you are positioning them. When angled up the laser will capture the torso of the athlete 2.5ft-5ft away. This is used for 2-point starts, splits, finish gates, agility drills, etc. When starting off hand movement in 3-point starts, unscrew the laser from the tripod and reattach it so that the laser is horizontal or parallel with the ground. Power on the laser(s) by plugging them into a USB battery.



**IT IS IMPORTANT THAT THE ATHLETE RUNS 2.5-5FT AWAY FROM THE LASER. TOO CLOSE AND YOU MAY CATCH THEIR LEGS INSTEAD OF TORSO, TOO FAR AND THEY ARE OUTSIDE THE RANGE OF THE LASER.**



#### 6. Connect the device(s)

While on the connection page for the drill with all devices (laser, jump, display, etc.) powered on and previously registered, press the grey ID button and select the desired laser ID from the drop-down list. Then press the "Connect" button. If it does not connect the first time, repeat.

The starting/first laser will flash blue when connecting. Once all desired lasers are connected, you will see options to connect a display or RFID module if you are using them. Above the "Start Testing" button you will see a Unit toggle which allows you to switch between yards and meters. Lane ID which allows you to tag the drill as a specific lane or condition, and Target Roster which pulls athletes from a specific roster as opposed to all your athletes. Press "Start Testing" when you are ready to continue.

#### 7. Perform trial run to verify setup

With the appropriate number or laser set-up to run your drill. Make sure the laser is to cross the direction the athletes are moving. The lights on the laser are **GREEN** then the gate is setup and there is nothing in the beam. When the gate is tripped (something blocking the laser) the lights will be **RED**.

The phone/tablet should be stationed within 5 yards the starting laser, no matter the drill. Not doing so may impact receiving results to the phone/tablet.

**DO NOT place the phone/tablet on the ground while operating the system. This can block the Bluetooth antenna and result in reduced performance.**

#### 9. Start testing!

Once in the drill, you can check-in athletes using the menu button at the top right of the screen. Athletes on the roster selected on the connection page will be available. Check-in the athlete, run them through, and their time will automatically save to your Dashboard! Check-in the next athlete and repeat.

More instructions and videos can be found on our website at [www.dashrsystems.com](http://www.dashrsystems.com).

Visit us online to learn more ways to make testing easier and more efficient.



## FCC Warning

This device complies with Part 15 of the FCC Rules. 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.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## RF Exposure Statement

To maintain compliance with FCC'S RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm between the radiator and your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.