Kestrel® Ballistics

Instructions
Kestrel HUD Heads Up Display
for 5700 Ballistics Meters

www.kestrelballistics.com

CONTENTS

CONGRATULATIONS ON THE PURCHASE OF YOUR KESTREL HUD

⚠️ **LEAVE SCREEN PROTECTOR ON**

Point the camera in your phone at the QR code to watch installation and getting started video.

▶ WATCH NOW

For additional help, support videos and a full manual visit **www.kestrelballistics.com/help or contact us at (610) 447-1555**

BATTERY LIFE

STAGE TIMER

BLUETOOTH INDICATOR

SETTINGS/EXIT BUTTON:
Enter/Exit Settings

OFF
(Hold 1 second)

MODE BUTTON:
Change between screens
(Hold 2 seconds)

BACKLIGHT ON/OFF:
(Double Tap)

NAVIGATION BUTTONS:
Left (Up), Right (Down) and
Select Buttons

NOTE: The function of the three buttons on the optional **HUD remote** mirrors the three center navigation buttons on the HUD.

1

Remove HUD from clip and insert battery:

To remove the HUD from the clip, push back on the clip tab and pull the HUD forwards. Press the button to open battery door.
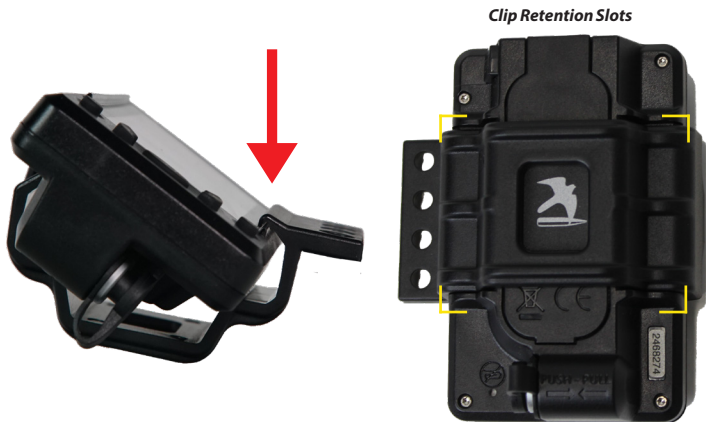
Battery Door Release

Push clip tab back

Pull HUD forward
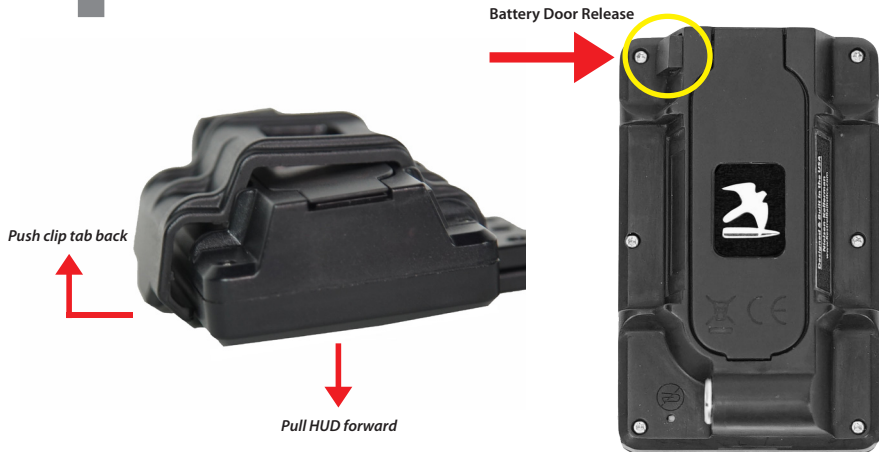
2

Insert HUD in clip:

Nest the notch on the front of HUD with the groove on the clip arm & line up the clip with the clip retention slots on the rear of the HUD, then press HUD into clip.

NOTE: If using the remote, always detach the cable before inserting or removing the HUD from the clip.

Clip Retention Slots

3

Attach Clip to Mount:

Use the included 3/32 hex key to attach the HUD clip to the mount. The clip can be mounted higher or lower depending on the holes chosen.

WARNING! Do not apply Loctite® threadlocker or any type of solvent, including cleaning fluids and insect repellent, to any part of the plastic clip portion of the HUD mount. These will cause the plastic to become brittle and fail.

Left-handed shooters

NOTE: The HUD mount can be set up for left-handed shooters by removing the center screw and re-attaching the mount arm in the opposite configuration.

(Threadlocker and 1/8" hex key required.)

4

Mount HUD on Gun:

Find a Picatinny rail spot on your rifle and hand tighten the mount securely.

NOTE: For permanent installation, use threadlocker on the thumb screw threads.

OPTIONAL REMOTE ACCESSORY

Based on your preference, you can choose to mount the HUD remote towards the front of the gun for use with your trigger finger or at the rear of the gun for use with your support hand. *(If front mounting, ensure there is no interference with your bolt.)*

1. Connect the HUD to your rifle and insert the remote connector to the cable port on the rear of the HUD. Make sure to line up the white dot on the remote cable with the red dot on the HUD cable port.
2. Confirm the location you want to place the HUD remote on your rifle. With the included alcohol wipe, clean both the rear of the HUD remote and the location on your rifle where you'd like to attach the remote.
3. Remove the adhesive backing from one side of the hook and loop fastener and apply it to the back of the remote. Remove the other side of the adhesive backing and apply it to your rifle. To confirm good adhesion, let sit for at least an hour.
4. Use the included cable fastener to secure any additional cable to your rifle. (Wrapping additional cable around your scope can help to secure additional cable as well.)

5

Turn HUD and Kestrel ON

Press and hold the power button on the HUD.
Press and hold the power button on the Kestrel.

6

Connect HUD to your Kestrel

» Enter the Kestrel's Settings Menu by pressing the Settings Button.
» Scroll down to Bluetooth line, ensure Bluetooth is toggled 'On'
  and press the center button.
» Toggle Conct to Device using the left or right buttons.
  (Steps continued on next page.)

6a

» Scroll down to HUD Connect and press Select.
» In the Name field, scroll left or right untill New is shown and press select, then select your HUD from the list of available devices within range.

NOTE: Check to the serial number either from the 'About' menu in the HUD Settings, or from the serial number sticker on the the back of your HUD to confirm it matches the HUD you choose to connect.

NOTE: If your HUD does not appear, check the Bluetooth strength setting in your HUD's Settings menu is set to Max and make sure you are within Bluetooth range.

6b

» Selecting your HUD will bring up the HUD Management screen. Once the connection is established the Rename field will change from being underlined to being highlighted in black, indicating the connection is fully active.

» Exit the Bluetooth menu by pressing the Settings Button until you return to the Solutions Screen.

» Your Kestrel and HUD are now connected! Solutions from your Kestrel will show up automatically on your HUD.

NOTE: When your Kestrel is connected to the HUD, you will not be able to simultaneously connect to the LiNK Ballistics app. In order to reconnect to the LiNK Ballistics app, go back to the Conct screen and toggle to Conct PC/Mobile. You will then be able to connect with the app.

Single Target Screen - Regular Font

Function	Buttons	*(On HUD or Remote if available)*
	HUD	**Remote**
Start/Stop Stage Timer	⏎	⬬
Change Target Range	◄ *or* ►	❨ *or* ❩
Change Wind Direction	1. ▣ 2. ◄ *or* ► 3. ▣	N/A

» Enter the Settings Menu and go to Single Target setup to change the values displayed on the two user settable fields, Single Target Row 1 and Single Target Row 2.

» Enter the Settings Menu to change the Stage Timer setting.

» Press and hold the square button for 2 seconds to move to the next screen available.

Single Target Screen - Large Font

Function	Buttons	*(On HUD or Remote if available)*
Change Target Range	**HUD** ◀ *or* ▶	**Remote** ◀ *or* ▶
Change Wind Direction	1. ⬛ 2. ◀ *or* ▶ 3. ⬛	N/A

NOTE: Stage Timer not available on Single Target Large Font Screen.

Target Card Screen - Regular Font

Target Card and DOPE Card screens available only when paired with the Kestrel 5700 Elite model.
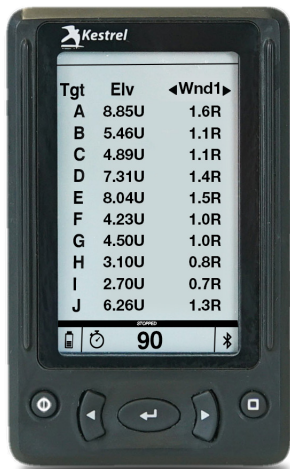
Function	Buttons	*(On HUD or Remote if available)*
Start/Stop Stage Timer	HUD ⏎	Remote ⬤
Change Third Column	◀ *or* ▶	❨ *or* ❩

» Enter the Settings Menu to change the Stage Timer Limit value.

Target Card Screen - Large Font

Target Card and DOPE Card screens available only when paired with the Kestrel 5700 Elite model.

Function	Buttons	*(On HUD or Remote if available)*
Start/Stop Stage Timer	HUD ↵	Remote ⬤
Change Targets	◀ *or* ▶	❨ *or* ❩

» Enter the Settings Menu to change the Stage Timer setting.

DOPE Card Screen
Single Target/DOPE Card Screen

Function	Buttons	*(On HUD or Remote if available)*
Scroll Target Ranges	**HUD** ◀ *or* ▶	**Remote** ⬤ *or* ⬤
Change Third Column	1. ↵ 2. ◀ *or* ▶ 3. ↵	⬤ ⬤ *or* ⬤ ⬤

» Enter DOPE Card in the Settings Menu to update DOPE card data from a paired Kestrel. Set up the Range Card in your Kestrel first as the HUD DOPE Card will mirror the Gun profile, Environmentals, Wind etc in the Kestrel. If your direction of fire is expected to change, set DoF and Ideg to 0 and wind direction to 3:00 to make a generic DOPE card and minimize direction related error.

» The Single Target/DOPE Card combo screen functions the same as the DOPE Card screen. The only difference is the Single Target value is displayed above and is ideal for use with connected rangefinders along with DOPE Card solutions.

Settings Menu Navigation

SETTINGS

Bluetooth...
Stage Timer...
Screens...
Single Tgt Setup...
DOPE Card...
Resolution   10ths
System...
About...

Function	Buttons	*(On HUD or Remote if available)*
	HUD	**Remote**
Scroll Up/Down	◀ *or* ▶	◀ *or* ▶
Enter Sub Menu / Start Command	↵	●
Make setting editable or start command	1. ↵	●
Change setting	2. ◀ *or* ▶	◀ *or* ▶
Accept setting	3. ↵ *or* ⏻	●
Exit Settings Menu	⏻	N/A

Bluetooth:

- » Bluetooth On/Off, Min-Max - Turn Bluetooth Off to lock HUD values and disable the radio. Choosing a value other than Max will limit Bluetooth power and range accordingly.
- » Unlock (Appears if HUD is locked by a Kestrel)

Stage Timer (Press center button to enter sub menu):

- » Timer Limit - Sets the starting amount of time on the stage timer.
- » Timer Start - Sets if the timer starts with the button press or on a 3 second delay.
- » Timer Warning - Sets when the timer color inverts to warn time is about to end.

Screens (Allows user to turn off unwanted screens):

- » Single Target Regular Font On/Off
- » Single Target Large Font On/Off
- » Target Card Regular Font On/Off
- » Target Card Large Font On/Off
- » DOPE Card On/Off

Single Target Settable Rows:

- » Single Target Row 1 - User settable line on Single Target screen.
- » Single Target Row 2 - User settable line on Single Target screen.

DOPE Card:

- » Range Increment - Sets the DOPE Card range increment.
- » Update - Refreshes the DOPE Card data with new values from the Kestrel.

Resolution:

- » Solution increments can be set to the 10th or 100th decimal.

System:

- » Auto Shutdown - The time without button presses before automatic shutdown.

NOTE: When HUD is connected to the Kestrel meter, auto shutdown is disabled. You must manually turn the HUD off.

- » Backlight - Choose between white, red or no backlight.
- » Battery Chemistry - Choose the battery type for an accurate battery level gauge.
- » Factory Reset - Returns HUD to factory settings.

About (Lists firmware and hardware versions, Serial number, etc.):

- » Version - Current firmware/hardware numbers.
- » Legal - Certification/Copyright info.

NOTE: The Kestrel HUD is able to connect to the Kestrel LiNK Ballistics app for firmware updates ONLY.

Connect Your HUD to the LiNK Ballistics App

» **Turn on your HUD and ensure Bluetooth is turned on.**

» **Open the Kestrel Link Ballistics app on your phone.**

» **Select 'Connect Device' in the app and select your HUD unit.**

» **When app and your HUD are successfully connected, the app will confirm existing firmware version in your HUD.**

» **If there is a new update, a notification will appear in the app indicating that a new update is available. Select 'Update.'**

» **Your App and HUD will both display a "Firmware Update" message on their screens.**

» **The HUD will restart and the update will be complete.**

SPECIFICATIONS

- » **Sealing - IP67 Waterproof**
- » **Shock Resistance - Mil-STD-810g shock tested (Transit Shock, method 516.6 Procedure IV)**
- » **Warrantied for use on rifles up to .338" in caliber**
- » **For use with 5700 Ballistics units**
- » **Runs on 1 AA battery (Lithium recommended)**
- » **80+ hours of battery life, reduced by backlight use**
- » **Choice of red or white backlight**
- » **Auto Shutdown – User-selectable – Off, 15-60 min with no key presses**
- » **Designed and built in the USA from US and imported components. Complies with Regional Value Content and Tariff Code Transportation requirements for NAFTA preference Criterion B**
- » **CE certified, RoHS, FCC, IC tested and WEEE compliant**
- » **Display and battery operational temperature limits: 14F – 131F/-10C – 55C**
- » **Storage temperature: -22F – 140F / -30C – 60C**
- » **Size & Weight – 2.25"x3.5"x1.125" (HUD Only) 185 grams (HUD & Mount)**

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AND BUILT IN THE USA