



Quick Start Guide TEMPEST



**TEMPEST
335 LRF**

**TEMPEST
650 LRF**

**TEMPEST
660D LRF**

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TEMPEST Controls



Side View



Components and Controls

- 1 Power / Laser Button
- 2 Joystick
- 3 Battery Compartment
- 4 Laser Module
- 5 Target Focus Knob
- 6 Display Focus Ring (Diopter)
- 7 Magnetic Data Port
- 8 Rubber Eye Guard

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Battery Installation

Your Tempest is designed with an advanced electrical system that allows the batteries to be inserted without regard to battery polarity. So long as one battery is inserted in one direction and the other in the opposite direction, the device will operate properly. The scope is designed for use with two (2) rechargeable Protected Type 18650 lithium-ion batteries. The batteries you need and an appropriate battery charging cradle are included with your purchase. The batteries must be charged in the supplied cradle as there is no onboard charging feature on the Tempest.

To maintain waterproofness, the battery compartment lid has a very tight fit. Taking it on and off will require some practice, but it is something you will quickly master. Helpful Tip: Push down on the top of the battery compartment lid before pushing down the release lever. If no batteries are in the device, you will need to wiggle the lid upward. If batteries are inside, it will likely spring open. You do not need to push down on the release lever when reinstalling the lid.



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Power / Laser Button

The Power/Laser Control Button is located on the top of the Tempest housing between the joystick and eyepiece.

Power On: To power on the device, press and hold the button for approximately four seconds or until the WAVE logo appears.

Power Off: To avoid accidentally turning off your Tempest, the Power Button must be pressed and held for four seconds before the power down sequence begins. After four seconds, a countdown will appear on the display. The unit will turn off when the countdown is complete. If the Power Button is pressed before the countdown completes, the power down sequence will abort.

Standby Mode: The Tempest is equipped with a Standby Mode feature. To activate Standby Mode, give the Power/Laser button a double-Quick Press. A second double Quick Press will instantly restore the unit to full function.

Laser Activation: When the device is operating, a Quick Press of the laser button will activate the laser. When the laser is active, the measuring tape icon in the top status bar will turn red. How the laser operates depends upon which mode is currently active, as described below.

Normal Operating Mode: When the device is in its normal operating mode (Auto Ballistics Not Active), the laser will operate with a continuous scan. Caution: The laser will continue to operate until another Quick Press of the Power/Laser button is administered.

Auto Ballistics Mode: When the Auto Ballistics Mode is activated, the laser will conduct a single range calculation each time the Power/Laser Button receives a Quick Press.



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Display Focus

Getting everything on the display in focus for your vision is important to achieve the best optical performance from your scope. Every user will need to make this adjustment as the strength of everyone's vision is different. To achieve the best display focus, rotate the large ring on the eyepiece (diopter) until the information on the display (reticle, etc.) comes into sharp focus. The small ring is part of the housing and should not be adjusted. *The large ring is shown in red for illustration purposes.*



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Micro Smooth Focus

The Tempest is equipped with our extremely popular Micro Smooth focus system. It features a large, knurled knob that was designed to be easy to find and easy to operate, even in complete darkness. This design is particularly useful for cold weather hunters who wear gloves. To achieve the best possible target focus, simply twist the knob until the best view of the target is achieved.



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The Joystick

The Tempest utilizes a state-of-the-art joystick to control menu selections and many device features. The five-direction joystick makes using the device extremely compact and simple to use.

To access many of the device's features, you will use the joystick controller. The joystick moves forward, backwards, left, right, and may be pressed downward. If you've not used a joystick, it may take a little getting used to, but in time you will soon have it mastered. Use the information in the table to the right to get started.



Standard View

(main menu not active)

Menu View

(main menu active)

Quick Press:
Activate the NUC (Device Calibration)

Quick Press:
Make a selection or activate an option

Long Press:
Auto Ballistics On/Off

Double Quick Press:
Access the Main Menu

Forward / Backward Tilt:
Increase and Decrease Magnification

Forward / Backward Tilt:
Move Menu Cursor Up/Down
Increase or Decrease Values
Toggle Features On/Off

Right Tilt:
Quick Tilt - Change Color Palette
Long Tilt - Outline Mode On/Off

Right Tilt:
Quick Tilt - Move Menu Cursor Right

Left Tilt:
Quick Tilt - Take a Photo
Long Tilt - Start/End Video Recording

Left Tilt:
Quick Tilt - Move Menu Cursor Left
Quick Tilt - Backup In Menu, Exit Menu

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Magnetic Data Port

The Tempest is equipped with a magnetic data port that is located between the laser module and the battery housing. Connection to the port is quick and easy with the included magnetic connection cable. The data port connection is provided as an easy way for you to conduct media downloads or make firmware updates. Note: The port does not support an external power supply, nor will it charge the battery in the device.





Dual Lens Feature

TEMPEST 660D LRF Only

The Tempest 660D features a special dual-lens system that takes the performance of this scope to a completely different level. It offers the user the ability to quickly switch between a 60mm lens and a 20mm lens with a simple turn of the wrist. This switchable magnification feature dramatically changes the scope's performance characteristics, effectively giving you two scopes in one. When the 60mm lens is engaged, it features a high 3.4x optical base-level magnification ideal for those long shots with the Auto Ballistics feature. When the device is changed to the 20mm lens, the optical magnification becomes a true 1x and offers an incredible field-of-view, 1170' at 1000 yards, which is perfect for close-up work and running shots. *To switch between different lenses configurations, rotate the adjustment collar until it stops. There are no in between positions, so be sure to rotate completely. Collar shown in red for illustration purposes.*





TEMPEST Feature Set

Advanced Components and Construction

- UPG Lens (Ultra-Pure Germanium Lens)
- Aircraft Alloy Housing
- Micro Smooth Focus (Top Focus Design)
- Joystick Control
- Class 3 Military Grade Laser Range Finder
- High Grade Mount, Riser, and Interface
- IP67 Waterproofing

Simplified Zeroing Process

- Five Gun Profiles (Save Five Zeros)
- Gun Profile Nicknaming (Gun Name and Zero Distance)
- Freeze Function (One Shot Zero)
- Save and Stay (Zero Process on One Screen)

6th Generation Sensor

- 12-Micron Pixel Pitch
- 18mK NETD Rating
- True 50 Hz Refresh Rate
- 4X Digital Zoom
- Four Customizable Sensor Settings
- Exceptionally Long Detection Ranges



Advanced Image Features

- Picture-In-Picture Mode
- Image Outline Mode
- Six Color Palettes
- Hot Tracking
- Four OLED Display Hue Color Options
- Two Digital Zoom Options (Smooth or Rapid)
- Manual and Automatic NUC

Advanced Reticle Settings

- Eight Reticle Options
- No Reticle Option (Clean View)
- Five Reticle Color Options
- Four Illuminated Dot Reticle Options
- Three Reticle Dot Color Options
- Reticle Polarity Reversal
- Location (Recenter Reticle After Sight-in)
- Mode Selection (Front Focal or Second Focal)

Advanced Media Capabilities

- Photo, Video, and Audio Recording
- Onboard Media Memory – 64 Gig
- Onboard Video File Management
- RAV (Recoil Activated Recording)
- On-board Photo / Video Viewing



Data Transfer Capabilities

Powerful On-board WIFI
Feature Rich “WAVE IR” Phone App
Wired Data Transfer Via Magnetic Cable

Advance Power Supply and Electronics

No Disposable Batteries (Completely Rechargeable)
Uses Commonly Found 18650P Batteries
Battery Insertion is Non-Polarity Specific
Automatic Shutdown (30, 60, and 90 Minute Options)

10 Supporting App (WAVE IR)

WAVE thermal imaging devices are supported by an App that is available free of charge on Google Play and the Apple App Store.

Enjoy live video streaming via WIFI.
Operate the device and manage your media files directly from your phone.





WARNING

Never Point Device at the Sun or Other Extremely Hot Surfaces



Thermal sensors are designed to detect exceptionally small sources of heat and detect very small differences in temperature. Direct exposure to the sun or other extremely hot objects will damage (burn) the sensor resulting in irreparable damage and costly repairs.



WAVE 

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