

ThermTec

HUNT LRF Series

Thermal Clip-On On Hunt LRF Manuel d'utilisation



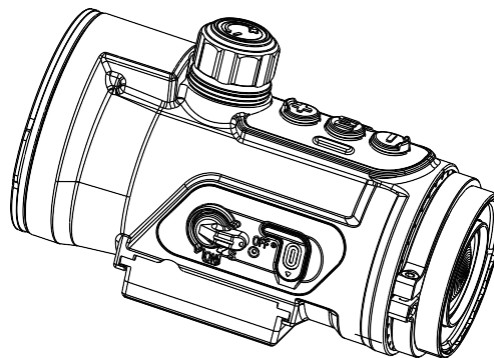
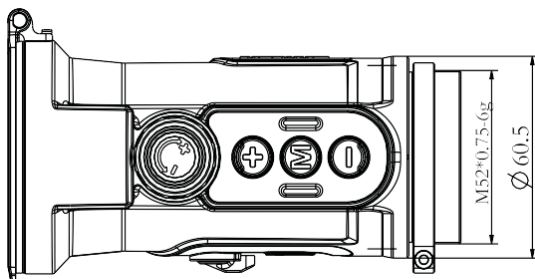
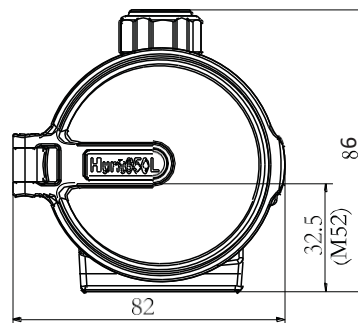
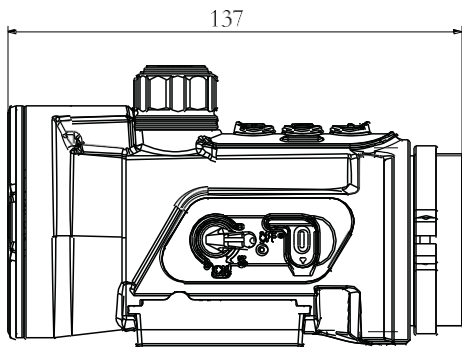
Download on the
App Store

GET IT ON
Google Play



V1.0





Information légale

COPYRIGHT © 2025 ThermTec Technology Co., Ltd. ALL RIGHTS RESERVED.



À propos de ce manuel

Le présent manuel comprend des instructions pour l'utilisation et la gestion du produit. Les photos, graphiques, images et toutes les autres informations qu'il contient sont fournies uniquement à titre explicatif et descriptif. Les informations contenues dans ce manuel peuvent être modifiées sans préavis en raison de mises à jour du firmware ou pour d'autres raisons.

Veuillez consulter la dernière version de ce manuel sur le site Web de ThermTec (<https://www.thermeyetec.com>). Veuillez utiliser ce manuel avec l'aide et sous la direction de professionnels formés au support de ce produit.

Marques commerciales

Les marques et autres logos de ThermTec sont la propriété de ThermTec dans différentes juridictions. Les autres marques et logos mentionnés sont la propriété de leurs détenteurs respectifs.

Clause de non-responsabilité

Dans la limite maximale autorisée par la loi applicable, ce manuel et le produit décrit, incluant son matériel, son logiciel et son firmware, sont fournis « tels quels » et « avec tous défauts et erreurs ». ThermTec ne donne aucune garantie, explicite ou implicite, y compris, sans s'y limiter, les garanties de qualité marchande, de qualité satisfaisante ou d'adéquation à un usage particulier.

L'utilisation du produit par vos soins se fait **à vos propres risques**. En aucun cas ThermTec ne pourra être tenue responsable de dommages spéciaux, consécutifs, accessoires ou indirects, y compris, entre autres, les pertes de bénéfices, les interruptions d'activité, la perte ou la corruption de données, la défaillance de systèmes ou la perte de documents, que ce soit en raison d'un manquement au contrat, d'un délit (y compris la négligence), d'une responsabilité du fait du produit, ou autre, liés à l'utilisation du produit, même si ThermTec a été informée de la possibilité de tels dommages ou pertes.

Vous reconnaissez que la nature d'Internet comporte des risques de sécurité inhérents, et ThermTec n'assumera aucune responsabilité en cas de fonctionnement anormal, fuite de données personnelles ou autres dommages résultant d'une cyberattaque, d'une attaque de pirates, d'une infection virale ou de tout autre risque lié à la sécurité Internet ; cependant, ThermTec fournira une assistance technique en temps voulu si nécessaire.

Vous acceptez d'utiliser ce produit en conformité avec toutes les lois applicables, et vous êtes seul responsable de veiller à ce que votre utilisation soit conforme à la législation en vigueur. Vous êtes notamment responsable d'utiliser ce produit d'une manière qui n'enfreint pas les droits de tiers, y compris, sans s'y limiter, les droits à l'image, les droits de propriété intellectuelle, ou les droits à la protection des données et autres droits relatifs à la vie privée.

Vous ne devez pas utiliser ce produit à des fins interdites, notamment pour le développement ou la production d'armes de destruction massive, le développement ou la production d'armes chimiques ou biologiques, toute activité liée à des dispositifs nucléaires explosifs ou à un cycle du combustible nucléaire non sécurisé, ou encore pour soutenir des violations des droits humains.

En cas de conflit entre ce manuel et la loi applicable, **la loi prévaudra.**

The logo for ThermTec features a stylized 'T' composed of three vertical orange bars of varying heights, followed by the word 'ThermTec' in a bold, black, sans-serif font.

The logo for HUNT LRF consists of the word 'HUNT' in a bold, black, sans-serif font, followed by a vertical line, and then the letters 'LRF' in a bold, black, sans-serif font enclosed within a rounded rectangular border.

Content

Legal Information	03	6.4 Standby Mode	17
About this Manual	03	5. Lens Focus Adjustment	17
Trademarks	03	6. Pseudo Color Switch	18
Disclaimer	03	7. Day and Night Mode	18
SAFETY INFORMATION	06	6.8 UI Zooming	18
Environmental influences	06	6.9 E-zooming in PIP	19
Risk of swallowing	06	6.10 LRF Function	19
Intended use	07	6.11 OLED Brightness Adjustment	20
Function test	07	6.12 OSD Function	20
REGULATORY INFORMATION	08	6.13 Power Supply	20
1. DESCRIPTION	09	7. MAIN MENU	21
2. FEATURES	09	Main Menu function descriptions	21
3. SPECIFICATIONS	10	8. ZEROING	32
4. PACKING LIST	12	9. BALLISTIC CALCULATION	35
5. COMPONENTS AND CONTROLS	13	10. CAPTURING AND RECORDING	37
5.1 Appearance of Hunt	14	11. MEMORY ACCESS	38
5.2 Description of Controls	15	12. HOTSPOT FUNCTION	38
5.3 Menu/Status Bar Icons	15	Set the Hotspot password	39
6. OPERATION GUIDE	15	13. REMOTE CONTROL	40
WARNINGS	17	14. DOWNLOAD“ThermTec Outdoor”APP	42
1. Installation	17	15. TECHNICAL INSPECTION	42
2. Power On/Off	17	16. MAINTENANCE	42
6.3 Image Correction	17	17. FIRMWARE UPGRADE	43

INFORMATIONS DE SÉCURITÉ

Influences environnementales

Attention : Ne jamais pointer l'appareil vers des sources de chaleur intense (ex. : le soleil, des lasers). Les lentilles peuvent concentrer la lumière et générer une chaleur intense, causant des dommages irréversibles aux composants internes.

Risque d'ingestion

Avertissement : Garder hors de portée des jeunes enfants. De petites pièces peuvent se détacher en cas de mauvaise manipulation et présenter un risque d'étouffement ou être avalées.

Consignes de sécurité d'utilisation

Gardez l'appareil éloigné des flammes nues et de la chaleur excessive.

La capacité de la batterie diminuera temporairement dans les environnements à basse température. Il s'agit d'un comportement normal dû à des limitations techniques, et non d'un dysfonctionnement.

Stockez l'appareil dans un endroit sec et bien ventilé. Pour un stockage prolongé, retirez les batteries.

N'utilisez pas et ne stockez pas l'appareil dans des environnements en dehors de la plage de température de **-20°C à +50°C**.

Utilisez uniquement un câble USB Type-C et un adaptateur secteur compatibles pour connecter l'appareil.

Si l'appareil est endommagé ou si la batterie est défectueuse, veuillez contacter notre service après-vente pour une réparation.

N'essayez pas de le réparer vous-même.

Élimination des équipements électriques et électroniques (EEE) — ménages privés

Le symbole WEEE signifie que ce produit ne doit pas être éliminé avec les déchets ménagers. Veuillez le déposer dans un point de collecte désigné pour un recyclage gratuit. Dans certaines régions, vous pouvez le retourner à votre revendeur lors de l'achat d'un nouvel appareil.

Une élimination appropriée protège l'environnement et la santé publique. Contactez votre autorité locale pour connaître le point de recyclage le plus proche. Une élimination incorrecte peut entraîner des sanctions conformément à la loi.

Pour les clients professionnels dans l'Union européenne

Pour toute information concernant l'élimination de ce produit, veuillez contacter votre revendeur ou fournisseur.

Élimination en dehors de l'Union européenne

Ce symbole est valable uniquement au sein de l'Union européenne. Pour connaître les méthodes d'élimination appropriées dans votre pays, veuillez contacter votre autorité locale de gestion des déchets ou votre point de vente.

Utilisation prévue

Cet appareil d'imagerie thermique est conçu pour : l'observation et la recherche de la faune, la reconnaissance à distance pour la chasse et la gestion du gibier, ainsi que pour un usage civil extérieur général (ex. : sécurité, recherche et sauvetage, loisirs).

Il n'est pas destiné à être utilisé par des enfants.

N'utilisez l'appareil que conformément aux indications de ce manuel.

Le fabricant et le revendeur ne sauraient être tenus responsables des dommages ou blessures résultant d'une utilisation non intentionnelle, inappropriée ou négligente de l'appareil.

Test de fonctionnement

Avant utilisation, assurez-vous que votre appareil ne présente aucun dommage visible.

Vérifiez que l'appareil affiche une image nette et sans perturbation.

Assurez-vous que les réglages de la caméra thermique sont corrects. Consultez les indications de la section

Fonctionnement.

INFORMATIONS RÉGLEMENTAIRES



Ce produit et — le cas échéant — les accessoires fournis sont également marqués du sigle « **CE** » et sont donc conformes aux normes européennes harmonisées applicables, énumérées dans la Directive **2014/53/UE (RED)**, la Directive **2014/30/UE (CEM)**, la Directive **2014/35/UE (LVD)** et la Directive **2011/65/UE (RoHS)**.



Ce produit et — le cas échéant — les accessoires fournis sont également marqués du sigle « **UKCA** » et sont donc conformes aux directives suivantes :

Radio Equipment Regulations 2017,
Electromagnetic Compatibility Regulations 2016,
Electrical Equipment (Safety) Regulations 2016,
Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012.



Ce produit et — le cas échéant — les accessoires fournis sont également marqués du sigle « **RoHS** », et répondent donc aux exigences de la Directive **2011/65/UE** relative à la limitation de l'utilisation de certaines substances dangereuses dans les équipements électriques et électroniques (« **RoHS recast** » ou « **RoHS 2** »).



Directive 2012/19/UE (directive DEEE)

Les produits portant ce symbole ne peuvent pas être éliminés avec les déchets municipaux non triés dans l'Union européenne.

Pour un recyclage approprié, retournez ce produit à votre fournisseur local lors de l'achat d'un nouvel équipement équivalent, ou déposez-le dans un point de collecte désigné.

Pour plus d'informations, consultez : www.recyclethis.info.



Directive 2006/66/CE et son amendement 2013/56/UE (directive Batteries)

Ce produit contient une batterie qui ne peut pas être éliminée avec les déchets municipaux non triés dans l'Union européenne.

Consultez la documentation du produit pour obtenir des informations spécifiques concernant la batterie.

La batterie porte ce symbole, qui peut inclure des lettres indiquant la présence de cadmium (Cd), plomb (Pb) ou mercure (Hg).

Pour un recyclage approprié, retournez la batterie à votre fournisseur ou dans un point de collecte désigné.

Pour plus d'informations, consultez : www.recyclethis.info.

1.DESCRPTION

La haute sensibilité thermique de la série **HUNT LRF Thermal Clip-On** garantit une reconnaissance exceptionnelle des détails, même dans les conditions météorologiques les plus défavorables et dans les scénarios où le contraste thermique entre la cible et l'arrière-plan est faible.

De plus, l'utilisation de la série Hunt en clip-on thermique offre plusieurs avantages par rapport à la chasse de nuit avec des optiques traditionnelles ou même des dispositifs de vision nocturne.

Fixer la série Hunt sur une lunette de jour procure le même niveau de confort que le tir avec votre lunette habituelle, y compris le réticule existant et le dégagement oculaire.

La série Hunt en clip-on thermique vous permet même de continuer à utiliser les **grossissements variables** de votre lunette de jour.

2.FEATURES



Hunt 650L

- Quick mounting and removal of attachment;
- 12μm thermal imaging detector, NETDs≤15mK;
- [1920*1080@4.5μm](#) resolution with 0.39-inch OLED display;
- 1.1cm per click @100m, highly zeroing precision.
- Magnesium alloy housing; Light weight and
- compact design; Wireless remote control;
- APP connection via Wi-Fi is supported; 6
- pseudo colors and 8 reference reticle choices;
-
- Audio and recoil-activated video is supported;
- Combination of shutter correction and AI calibration technology;
- Up to 5h continuous working for replaceable and rechargeable battery; IP67
- rated protection;

3.SPECIFICATIONS

Model	Hunt650L	
Microbolometer		
Type	Uncooled	
Resolution	650x512	
Pixel pitch	12µm	
NETD	≤15mK	
Spectral range	8-14µm	
Frame rate	50Hz	
Detection range	2600m	
Optics		
Objective lens	35mm/F1.0	50mm/F1.0
Per Click Field of view	1.1cm@100m	
m@100m	8.8°x7.0°	
Magnification of the day scope	15.4x12.3	
Magnification	1-16X	
	x1, x2, x3, x4	
Display		
Type	AMOLED	
Resolution, pixel	1920x1080@4.5um	
Display size	0.39 inch	
Function		
Max. recoil power on rifled weapon	6000J	

Image calibration	Via Shutter
Power Level	On/Off/Standby
LRF	1000m
Ballistic calculation	Yes
USB interface	Video Type-C
Recorder Photo / video	
playback	Yes
Inbuilt memory	64GB
Interface Type	
C	Data transfer, battery charging
Wi-Fi	Yes
Bluetooth	Battery Yes, Remote control
Replaceable battery	
	5h @25°C
On-device Charging	Yes
Environment Body	
material	Magnesium Alloy
Connection thread	M52x0.75
Operating temperature	-20- +50°C
IP rating	IP67
Weight, g	463g
Dimension, mm	137(L)x82(W)x86(H)

4.PACKING LIST



Hunt LRF clip-on (x1)



Battery (x2)



Charger (x1)



Remote control (x1)



Bag (x1)



User manual (x1)



USB cable (x1)



Cotton swabs (x1)



Lens cloth (x1)

5. COMPONENTS AND CONTROLS




1. Appearance of Hunt




NO.	Comments
1	Eye-piece
2	M52*0.75 connection thread
3	Eye-piece bayonet-type ring
4	E-Zoom / Laser rangefinder / OLED brightness adjustment / Down button
5	Capture/Record/Menu button
6	Pseudo color switch / UI zooming
7	Lens focus knob
8	Lens cover
9	Laser rangefinder module
10	Objective lens
11	Three-position switch
12	Type-C port






5.2 Description of Controls




Clip-on Mode

Before entering the main menu			
Icon	Short press	Press and hold-on	Double click
	Switch pseudo colors	UI zooming	Image calibration
	Capture	Record	Main menu
	E-Zoom	Laser rangefinder function on/off	OLED brightness adjustment












After entering the main menu			
Icon	Short press	Press and hold-on	Double click
	Up	N/A	N/A
	Confirm	Exit	N/A
	Down	N/A	N/A











Monocular Mode

Before entering the main menu			
Icon	Short press	Press and hold-on	Double click
	Switch pseudo colors	Digital Zoom	Image calibration
	Capture	Record	Main menu
	N/A	Laser rangefinder function on/off	OLED brightness adjustment

After entering the main menu			
Icon	Short press	Press and hold-on	Double click
	Up	N/A	N/A
	Confirm	Exit	N/A
	Down	N/A	N/A

5.3 Menu/Status Bar Icons

	Image set
	Battery power
	Zero profile
	Zeroing
	Hotspot/Bluetooth
	File
	Blind Pixel
	OLED
	Recoil-Activated Video (RAV)
	Palette
	Eyepiece Set

	Time and Date
	Language
	Correction
	System Setting
	Hotspot Indicator
	Laser Rangefinder
	Remote Control
	Image Capturing/Video Recording
	MIC
	System

6.OPERATION GUIDE

WARNINGS

The HUNT LRF series has been designed for long-term use. To ensure sustainable performance, please adhere to the following: Before use,

- make sure you have mounted and adjusted the device according to the Operation Guide.
- Store with the lens cap on in the carrying case.
- Switch off the device after use.

Unauthorized disassembly or repair will void the warranty!

This device is designed to operate across a wide range of temperatures. However, if moved from a cold to a warm environment, allow it to acclimatize for 2-3 hours before powering on to prevent condensation from forming on the optical lenses. For long-term reliability, we recommend periodic professional maintenance.

6.1 Installation

The HUNT LRF attachment is designed for use during both day and night, even in inclement weather such as fog, smog, or rain. To mount it onto your day scope, please follow the instructions below:

Please make sure that the day scope is zeroed before installation.

- Determine the objective lens diameter of your day scope..
- Select an adapter with the M52x0.75 internal thread and a corresponding insert that matches the outer diameter of your day scope's objective lens.

Insert the ring into the adapter until it is fully seated.

Firmly

- thread the assembled adapter onto the objective lens of your day scope. Ensure the
- adapter is securely attached and does not move or wobble.
-



Day Scope

Adapter

- Check for clearance. If any is detected, proceed as follows:
 - Loosen the locking screw with the hex-nut wrench (which depends on the adapter you used).
 - Tighten the screw with hex-nut wrench with a clamping force necessary to ensure that the adapter fits tightly the objective lens.
 - Fully tighten the locking screw.
- Mount the
- Hunt onto the adapter and lock it by turning the eyepiece bayonet ring counter-clockwise.
- After installation, if the Hunt's display reticle is not centered with your day scope's crosshair, please perform the following
 - boresighting procedure:

2. Power On/Off

Flip the three-position to the "ON" position to turn on the device, and flip it back to "OFF" to turn it off.

3. Image Correction

Simply double-click the "+"  for image correction. Please refer to the detailed guide in the "Correction" section of the main menu.

4. Standby Mode

Once powered on, flip the Three-position to "S" to put the device into standby mode. Flip to "On" the system will wake up again.



6.5 Lens Focus Adjustment

Open the lens cover and rotate the focus knob to obtain a clear image of your target.

6.6 Pseudo Color Switch

Short press **+** to change the pseudo colors. There are totally six pseudo colors (white hot, black hot, red hot, green, golden, violet) for user choice.



White



Black



Golden



Red



Green



Violet

6.7 Day and Night Modes

Enter the main manu and select the OLED/Mode option, then will be able to switch two brightness mode.

6.8 UI Zooming

Long press the **+** button to zoom in/out the UI icons, ensuring optimal display in perfect alignment with the magnification level of your optical lens.



6.9 E-zooming in PIP

The base magnification is 1x, short press **⏏** button **⏏** once to activate the E-zooming and the zoomed view simultaneously displayed in a PIP window. Each click of **⏏** button can switch the digital zoom between x1, x2, x3, x4.

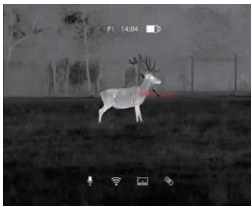
Note:

1: This function must be used after ZEROING to ensure aiming accuracy through magnification. 2: Please set up the correspond reference line according to different zeroing profile after zeroing. 3: Please refer to the ZEROING section for detailed guidance for zeroing.



6.10 LRF Function

Long press the **⏏** button to activate the LRF function. The distance to the target will be displayed as well as the pitch angle. Once enable the Ballistic Calculation function, the LRF will not be able to perform automatic continuous ranging, and only supports manual ranging through long-press the **⏏** activation.



The cursor will blink for six seconds and then disappear.

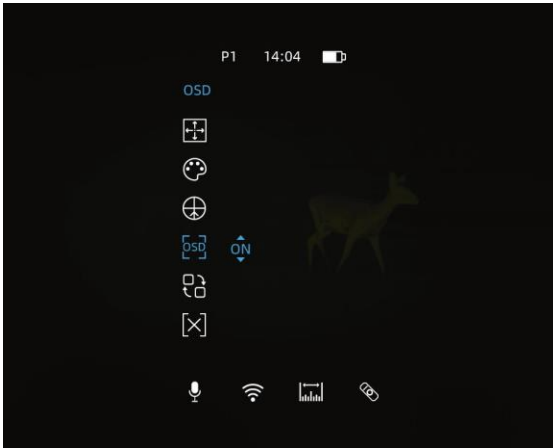


6.11 OLED Brightness Adjustment

Double-click the  button to adjust the OLED brightness. There are 5 brightness levels available.

6.12 OSD Function

Enter the main menu and select the OSD option to turn on or turn off. Video recording includes the menu on the screen after turning on the OSD function.



6.13 Power Supply


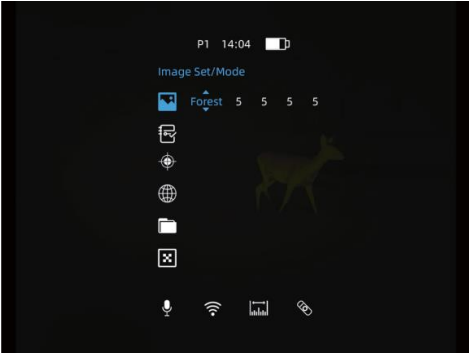
HUNT LRF can be charged either directly or by removing the battery and using the provided charger.



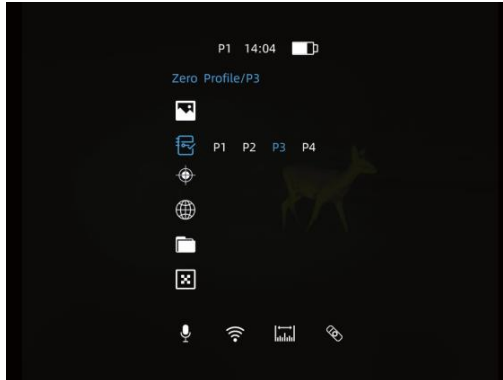
7.MAIN MENU

- On the home screen, double-click the "M" button to access the main menu. In the main
- menu, short press the "+" or "-" button to switch the menu options. Short press the "M"
- button to adjust the settings of the currently selected option. Press and hold the "M"
- button for 3 seconds to return to the home screen.
- Short press the "M" button to save.

Main Menu function descriptions

<p>Image Set</p> 	 <p>Turn Image set on/off</p> <ul style="list-style-type: none">● Double click the "M" button to enter the main menu.● Select the Image Set option with the "+ / -" button. Short press the "M" button to enter Image Set.● The icon will be turned into blue when Image set is selected.● Set the parameters including Sharpness, Contrast, Brightness and Denoise as needed. These parameters are ranged from 1-10.
--	--

Zero Profile



Select the Zero Profile

- Double click the "M" button to enter the main menu.
- Select the **Zero Profile** option with the "+ / -" button. Short press "M" button to enter **Zero Profile**.
- The icon will be turned into blue when **Zero Profile** is selected.
- There are four profile options: P1/P2/P3/P4. It will show at the top of the screen when a certain **Zero Profile** is selected.
- Make sure you set up the correspond reference line under each zero profile, cause each profile matches its own Ref. Line settings.
- Short press the "M" button to confirm the selection of one profile.

Zeroing

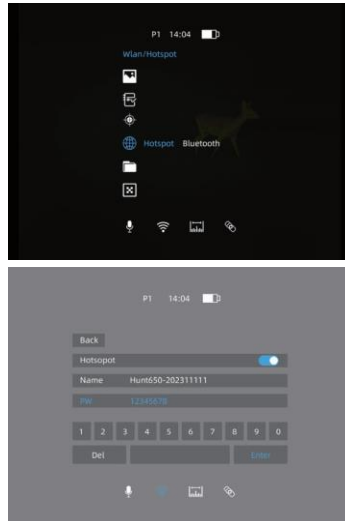


Zeroing

Double

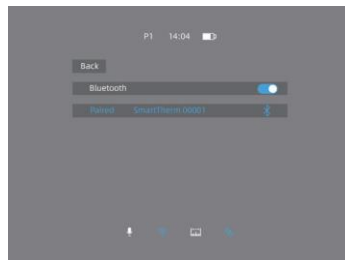
- click the "M" button to access the main menu. Select the **Zeroing** option with the "+ / -" button. Short press "M" button to access **Zeroing**.
- The icon will be turned into blue when **Zero profile** is selected.
- Please refer to the **ZEROING** section for detailed guidance for zeroing.

Hotspot / Bluetooth



Turn Hotspot function on/off

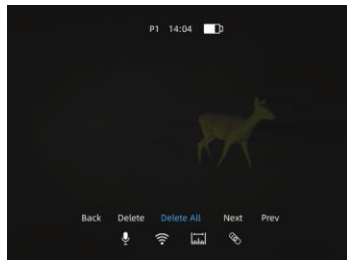
- Double click the "M" button to access the main menu.
- Select the **Hotspot** option with the "+ / -" button. Short press "M" button to access Hotspot Settings.
- The icon will be turned into blue when **Hotspot** is selected.
- When **Hotspot** is on, it can be connected with "ThermTec Outdoor" APP. The default password is 12345678.



Turn the Bluetooth on/off

- Connecting the remote with Bluetooth is also available here.
- After connecting, the device could be controlled via the remote.

File



Check the Captured Images

Double click

- the "M" button to enter the main menu. Select the **File**
- option with the + / - button. Short press
- "M" button to enter **File**.

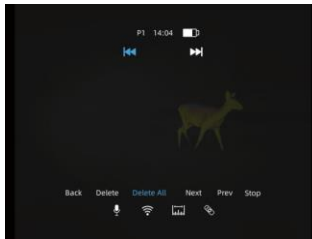
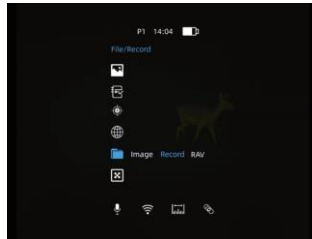
The

- icon will be turned into blue when **File** is selected.

- Click **M** to enter image files.

- After selecting a certain image, click **M** to access further operation of the image. You may delete it, check next one or delete all the images.

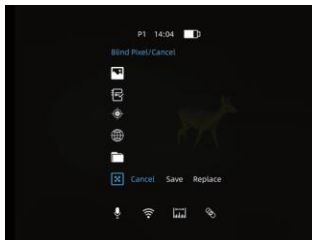
File



Check the Recorded Videos/RAV Videos


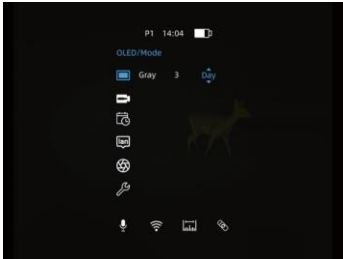



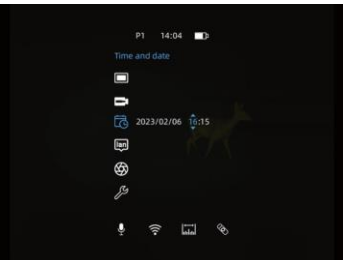
- Double click the "M" button to enter the main menu.
- Select the File option with the + / - button. Short press "M" button to enter File. The
- icon will be turned into blue when File is selected. Select
- **Record/RAV** and click **M** to enter **Video/RAV** Files. Choose a certain
- video and press **M** to check the video. Further operation could be
- accessed here. You may delete it, check next one, pause it or delete all the videos.




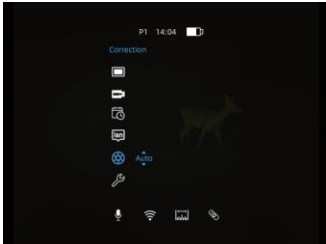

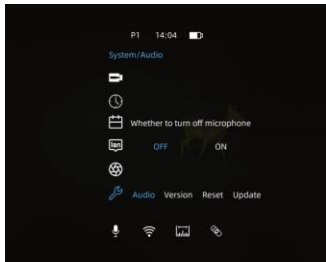
Blind Pixel



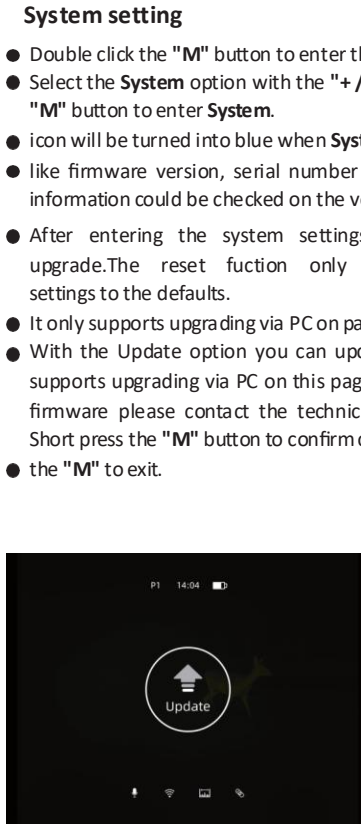
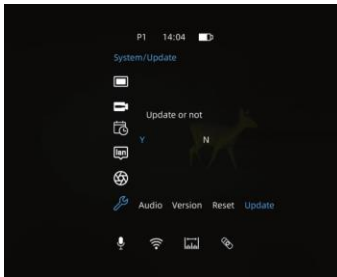
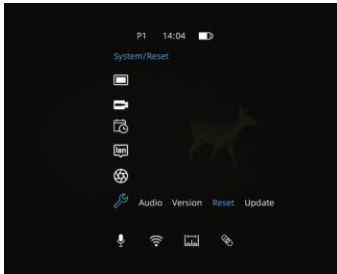
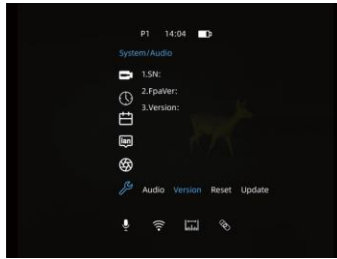
Turn Blind Pixel function on/off

- Double click the "M" button to enter the main menu.
- Select the **Blind Pixel** option with the "+ / -" button. Short press "M" button to enter **Blind Pixel**. The
- icon will be turned into blue when Blind Pixel is selected. Select the blind
- pixel and confirm the selection of Cancel, Save or Replace.
- Please follow the steps below to remove the blind pixels.
 - Close the lens cover. Keep
 - ▶ clicking the Replace.
 - ▶ Once there is any blind pixel removed, click save. Repeat the
 - ▶ a bove process until remove all the blind pixels.
 - ▶

<p style="text-align: center;">OLED</p> 	 <p style="text-align: center;">Set OLED</p> <ul style="list-style-type: none"> ● Double click the "M" button to enter the main menu. ● Select the OLED option with the "+ / -" button. ● Short press "M" button to enter OLED. The icon will be turned into blue when OLED is selected. Confirm OLED color and brightness level. ● There are 4 palettes optional: Grey, Blue, Purple and Red. ● 2 brightness mode makes it more friendly to use in day time and night time. ● Short press the "M" button to exit, or press and hold the "M" to exit.
<p style="text-align: center;">RAV</p> 	 <p style="text-align: center;">Turn RAV function on/off</p> <ul style="list-style-type: none"> ● Double click the "M" button to enter the main menu. Select the RAV option with the "+ / -" button. Short press "M" button to enter RAV. The icon will be turned into blue when RAV is selected. ● This value was drawn under general test, if there is a silencer, it's advised to further reduce the value, of course, the lower the value is, the easier the RAV will be triggered. The recommended value is 180.
<p style="text-align: center;">Date/Time</p> 	 <p style="text-align: center;">Set Date/Time</p> <ul style="list-style-type: none"> ● Double click the "M" button to enter the main menu. ● Select the Time option with the "+ / -" button. ● Short press "M" button to enter Time settings. The icon will be turned into blue when Time is selected. After entering the Date/time setting page, you can set a specific time. Short press the "M" button to exit, or press and hold the "M" to exit.

<p>Language</p> 		<h3>Set Language</h3> <ul style="list-style-type: none"> ● Double click the "M" button to enter the main menu. ● Select the Language option with the "+ / -" button. Short press "M" button to enter Language. ● The icon will be turned into blue when Language is selected. Short press the "M" button to exit, or press and hold the "M" to exit.
<p>Correction</p> 		<h3>Turn Correction on/off</h3> <ul style="list-style-type: none"> ● Double click the "M" button to enter the main menu. Select the Correction option with the "+ / -" button. Short press "M" button to enter Correction. ● The icon will be turned into blue when Correction is selected. Choose Auto or Manual to enter the mode of auto correction or manual correction respectively. ● In auto-correction mode, the image is automatically calibrated based on actual conditions. A 10-second countdown is triggered with each correction, and the screen freezes during the process. ● Short press the "M" button to exit, or press and hold the "M" to exit.
<p>System</p> 		<h3>Turn on/off the Audio</h3> <ul style="list-style-type: none"> ● Double click the "M" button to enter the main menu. ● Select the System option with the "+ / -" button. Short press "M" button to enter Correction. The icon will be turned into blue when Correction is selected. Choose OFF/OFF to turn off or turn on the audio.

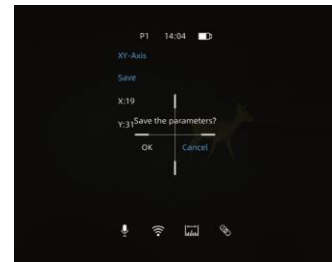
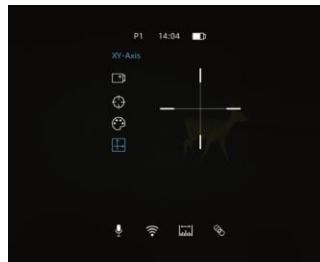
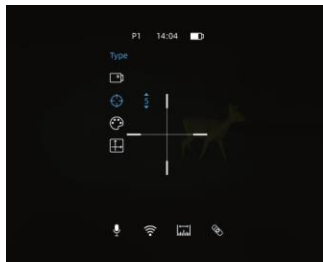
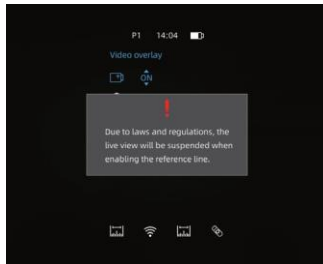
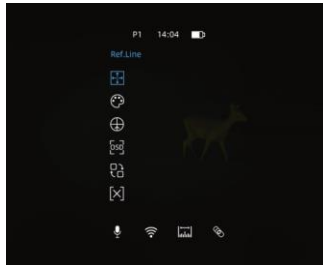
System



System setting


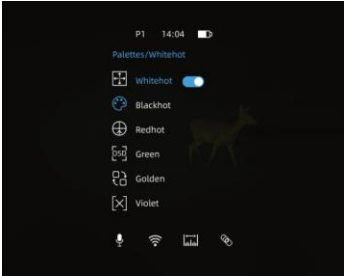

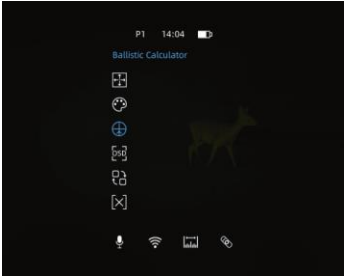

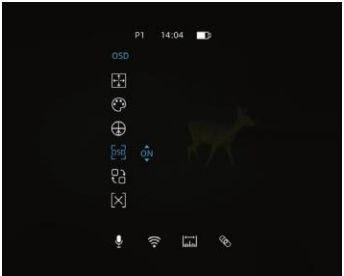
- Double click the "M" button to enter the main menu.
- Select the **System** option with the "+ / -" button. Short press "M" button to enter **System**. The icon will be turned into blue when **System** is selected. Information like firmware version, serial number and other relevant information could be checked on the version page.
- After entering the system settings, you can choose to reset or upgrade. The reset function only restores the currently system settings to the defaults.
- It only supports upgrading via PC on page.
- With the Update option you can update the system firmware. It only supports upgrading via PC on this page. Before you want to update the firmware please contact the technical support of ThermTec. Short press the "M" button to confirm current settings, press and hold the "M" to exit.

Ref.Line



Reference Line Setting

- Double click the "M" button to enter the main menu. Select the **Ref.Line** option with the "+ / -" button. Short press "M" button to enter **Ref.Line**.
- The icon will be turned into blue when **Ref.Line** is selected.
- The reference line can be set here so that we can see it in the video recordings.
- Commonly, we can set the reticle type, color and coordinates.
- Each zeroing profile matches its own reference line, thus please make sure set up correspond coordinates of every single reticle for each profile.

<p style="text-align: center;">Palettes</p> 	 <p>Palettes Setting Double</p> <ul style="list-style-type: none"> ● click the "M" button to enter the main menu. Select the Palettes ● option with the "+ / -" button. Short press "M" button to enter Palettes. The ● icon will be turned into blue when Palettes is selected. You can ● customize the most frequent used colors from the 6 colors.
<p style="text-align: center;">Ballistic Calculation</p> 	 <ul style="list-style-type: none"> ● Double click the "M" button to enter the main menu. ● Select the Ballistic Calculation option with the "+ / -" button. Short press "M" button to enter Ballistic Calculation. ● The cursor modes and the colors can be changed in Ballistic Calculation page. ● The icon will be turned into blue when Mode or Color is selected. Please ● refer to the Ballistic Calculation section for detailed guidance for setting up.
<p style="text-align: center;">OSD Switch</p> 	 <p>OSD Enable/Disable Double click</p> <ul style="list-style-type: none"> ● the "M" button to enter the main menu. Select the OSD ● option with the "+ / -" button and. ● Short press the "M" button to confirm current settings, press and hold the "M" to exit.

Eyepiece Type



Set Eyepiece Type

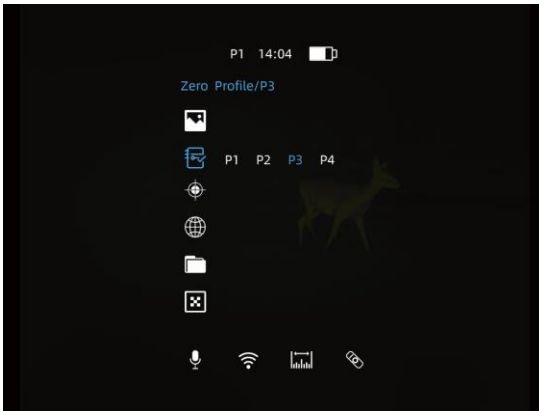
- Double click the "M" button to enter the main menu. Select the Eyepiece Type option with the "+ / -" button. Short press "M" button to enter **Eyepiece Type**.
- The icon will be turned into blue when **Eyepiece Type** is selected.
- With the eyepiece component, you can also change the Clip-on series into a Monocular.

8.ZEROING

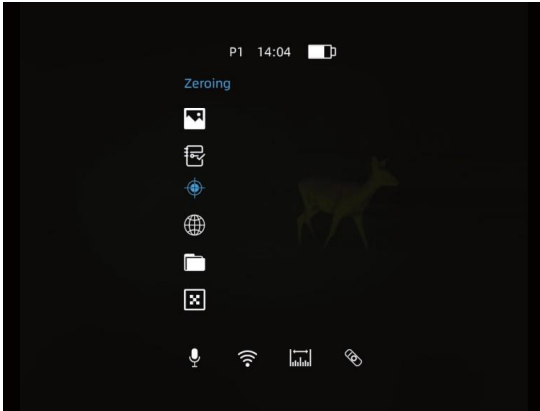
If the day scope's reticle is off-center in the infrared image after properly mounting the HUNT LRF , use the Image Zeroing function to align the infrared display with the optical view.

Preparation:

- Please finish the correction of the day scope before mounting the HUNT LRF . Install
- the Hunt LRF on the day scope referring to the Installation section.
- Aiming at the 100m target and shoot. On the
- home screen, double click "M" button to enter the main menu interface.



- Press the "+ / -" button to move the cursor up or down, and select the Zero Profile option and choose a zero profile with a short press of the "M" button.



- Select the Zeroing option and short press the "M" button to enter the zeroing interface.

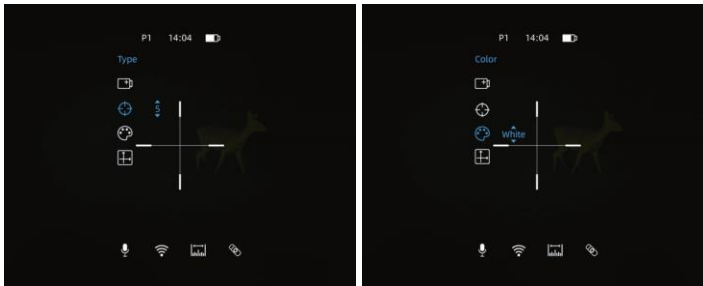


- At the zeroing interface, short press the "+ / -" button to move the position of infrared image until the target observed by the combined thermal imaging and day scope coincides with the target observed by the day scope alone, with a default zero distance of 100 meters.

Finally after finishing all the zero settings, short press the "M" button to confirm the set parameters and exit the page turning, or press and hold "M" button to exit the page and restore to the default settings.

Note:

The reference line will be automatically switched when you change the zero profile once you set up the configuration of correspond one for every single Zero profile.



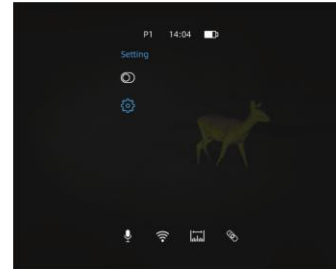
It should be especially noted that need to set up the coordinates according to the day scope after Zeroing.



9. BALLISTIC CALCULATION

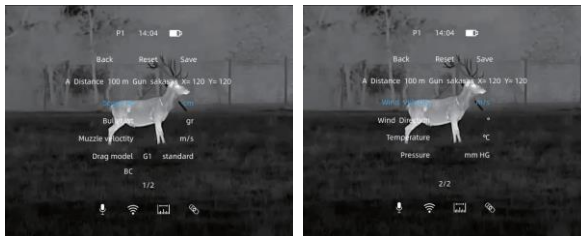
Attention:

- Ballistic Calculation adjustment needs to be performed after zeroing; otherwise, it has no practical significance.
- When Ballistic Calculation is turned on, the device will automatically switch to single ranging mode.



Setup, Operation, and Theory

- Double press the "M" button to enter the main menu.
- Move the cursor to Ballistic Calculation option with the "+ / -" button, and short press the "M" button to confirm. Enter the Settings in the same way under Ballistic Calculation option.
- There you can configure the parameters as needed, including Scope Ht, Wind Velocity, Bullet Wt, Muzzle Velocity, BC, Wind Direction, Temperature, and Pressure.

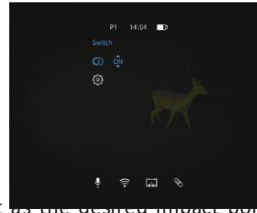


- When any parameter is selected for modification, the cursor would automatically move to the keyboard section on the right side of the screen.
- Move the cursor and click the Back icon to return to the previous interface.
- All parameter settings can be configured via the APP, and presets can be imported. Please note that the device must exit the parameter settings interface during import; otherwise, the imported preset parameters will not take effect.

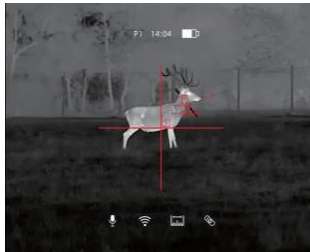
Notes:

Users

firstly need to move the cursor to “ON” to activate the Ballistic Calculation function. Then the parameter of distance, Pitch Angle, MIL as well as MOA will appear near the center of the screen.



If you are currently aiming at a target and treating the pre-aim point as the desired impact point, after enabling the ballistic calculation function, the entire image will shift according to the data obtained from the ballistic calculation. After the image is translated based on ballistic calculation, if you use the reticle of the day scope to aim at the desired point again, the impact point will then coincide with the pre-aim point. (Under ideal conditions with unchanged external factors).



Pre-aim point

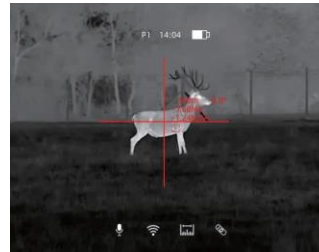


Image shifting after BC

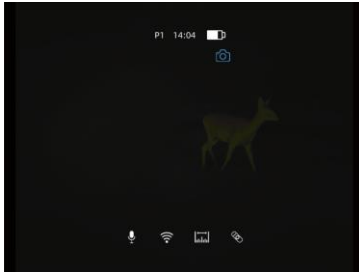
Notes:

- 1: The reticle displayed here is a virtual overlay for demonstration purposes. The actual reticle should be from the day scope.
- 2: The Ballistic Calculation can also be operated on the ThermTec Outdoor app. If you want to import any profiles of Ballistic Calculation, please be remembered that don't enter the settings of Ballistic Calculation. Otherwise the imported file will be invalid.
- 3: The cursor of laser rangefinder will blink for six seconds then disappear when detecting the distance.

10.CAPTURING AND RECORDING

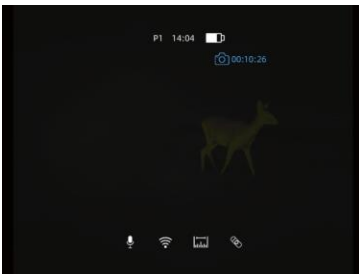
There is built-in 64GB storage space set for image capturing and video recording. The files of images and videos will be named by time, so it is recommended to set the time in the main menu or synchronize the time in the settings of “ThermTec Outdoor”APP before using the image capturing and video recording function.

Image Capturing



- Press the camera button“M”to take a photo and a capture icon appears on the screen.
- Images are saved in the built-in storage space.

Video Recording



- Press and hold down the camera button“M”to start a video recording.
- A recording timer displays on the top of the screen. The time format is HH:MM:SS (Hour:Minute:Second).

You may enter the menu and enable other functions during video recording. Press and hold down the camera button “M” to stop and save the recording. The videos are saved in the built-in storage space.

Caution:

- The number of the recorded files is limited by the capacity of the internal memory. Check the
- available space of the built-in storage card regularly and move the footage to other storage media to free up the memory card space.

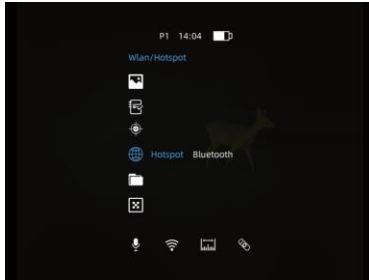
11.MEMORY ACCESS

When the device is turned on and connected to a computer, it is recognized by the computer as a flash memory card, which is used to access the device's memory and make copies of pictures and videos.

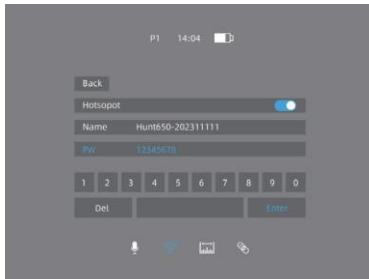
- Turn on the Hunt and connect it with the computer via Type-C cable. Images and
- videos are saved separately in the folders of “Capture” and “Record”. RAV videos are saved in
- the file named RAV. There are different images and
- videos named by time in the storage.
- Select desired files or folders to copy or delete.

12.HOTSPOT FUNCTION

A built-in hotspot module is integrated in the Hunt LRF, which enables the device to connect wirelessly to external devices such as smart phones.



- Double click "M" button to enter the main menu.



- Turn Hotspot function on /off with a short press of "M" button.

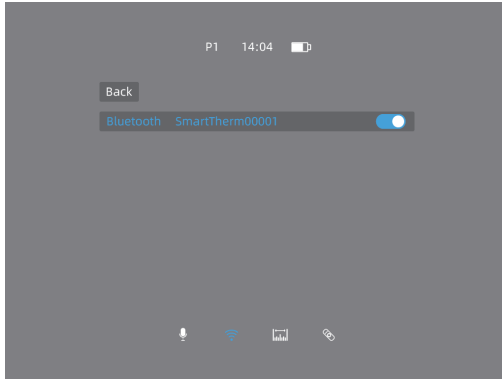
- Turn on "ThermTec Outdoor" APP, select Wi-Fi, and type in the password on the mobile device to finish the connection. The initial password is 12345678.
- When Wi-Fi is successfully connected, you can control the device via "ThermTec Outdoor" APP.

Set the Hotspot password

The Hunt series allows users to change the password of device hotspot in the Hotspot settings.

13.REMOTE CONTROL

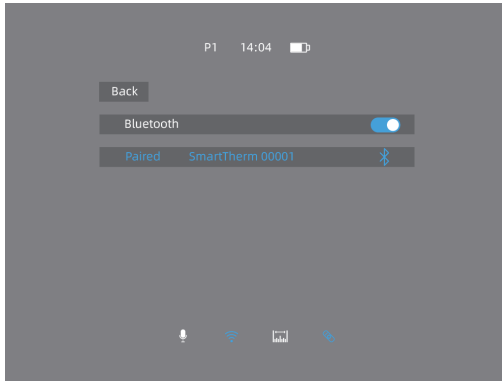
Hunt LRF series, which takes no attachment over device's surface, boasts of eminent ring-control design to better operate the device itself. It could connect the device via Bluetooth.



- Turn on the Bluetooth of your device.



- Open the battery case of the remote and await it detecting around to check the Bluetooth of your device.



- After connection, you can control the Hunt LRF remotely.

- The remote control can be used continuously for more than 10 hours in one time and it could reach almost 48 hours with the charging case.
- If the battery runs out, it will flash between red and blue, you may charge it directly through the charging case now, or charge the battery case and put the remote control into it to charge them at the same time.
- Once the device connects with one remote control, it wouldn't display or connect with other remote controls. Please unlock the pairing by pressing the M button for 10s before connecting with another remote control.

14. TÉLÉCHARGER L'APPLICATION "ThermTec Outdoor"

Vous pouvez télécharger l'application "ThermTec Outdoor" en utilisant le QR code affiché sur la boîte d'emballage, le manuel d'utilisation ou ci-dessous.



15. TECHNICAL INSPECTION

Une inspection technique de l'appareil est recommandée avant utilisation.

Vérifiez l'apparence externe de l'appareil (il ne doit pas y avoir de fissures dans le boîtier).

Vérifiez l'état de la lentille et de l'oculaire (ils ne doivent présenter aucune fissure, tache de graisse, saleté ou autre dépôt).

Vérifiez l'image : aucun pixel mort, aucune ligne à l'écran. En cas de problème, contactez le revendeur pour un remplacement.

Attention : les dommages causés par des raisons artificielles entraînant la brûlure du capteur ne seront pas couverts par la garantie.

16. ENTRETIEN

L'entretien doit être effectué **au moins deux fois par an** et inclure les actions suivantes :

Essuyer les surfaces externes des pièces métalliques et plastiques pour les débarrasser de la poussière et de la saleté à l'aide d'un chiffon en coton. Une graisse silicone peut être utilisée pour cela.

Vérifiez les surfaces en verre de l'oculaire et de la lentille. Si nécessaire, retirez la poussière et le sable des lentilles (de préférence en utilisant une méthode sans contact).

Le nettoyage des surfaces externes de l'optique doit être effectué avec des produits spécialement conçus à cet effet.

17.FIRMWARE UPGRADE

La série Hunt LRF de clip-on thermique est compatible avec l'application "**ThermTec Outdoor**", qui vous permet de transférer en temps réel les images et vidéos de l'appareil vers un smartphone ou une tablette via un point d'accès (Hotspot).

La version électronique de ce manuel d'utilisation ainsi que le dernier firmware peuvent être téléchargés sur le site de ThermTec : www.thermeyetec.com.

La mise à jour du firmware peut également être effectuée via l'application "**ThermTec Outdoor**".

Mise à jour via l'application (APP)

Ouvrez l'application **ThermTec Outdoor**.

Après la connexion, l'application indiquera si une mise à jour du firmware est disponible.

Avant de télécharger le firmware, veuillez activer les données mobiles.

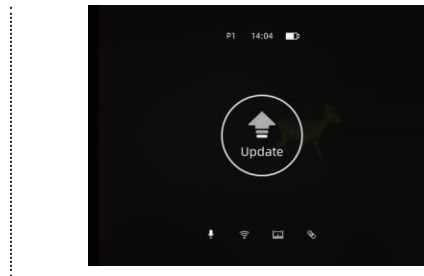
Après avoir téléchargé le firmware et préparé la mise à jour, désactivez les données mobiles pour garantir une mise à jour stable.

Une fois la mise à jour terminée, l'appareil redémarrera.

Mise à jour via PC

Téléchargez le fichier de mise à jour correspondant depuis le site officiel : www.thermeyetec.com.

Connectez ensuite l'appareil à un PC à l'aide d'un câble USB Type-C.



- Copiez le firmware de mise à jour correspondant dans le dossier nommé **storage** de l'appareil Hunt. Appuyez sur “**M**” pour sélectionner l'icône **Update**, puis le système affichera une notification “**Update**”.
- Accédez au menu **Version** pour vérifier la version du firmware.
- Une vidéo d'instruction détaillée est disponible sur la chaîne officielle.



ThermTec Technology Co., Ltd.

Email: info@thermteccom.com Web:

www.thermteccom.com

