

# LW501 Rangefinder Instructions

LW501 Laser Rangefinder is designed and developed for maximum convenience. Look at the screen, aim target with aiming point, press Measure/OK button to start measuring. No need to look into objective lens of traditional range finder anymore, no need to take off eyeglasses if you have. To ensure the best performance, please read below instructions carefully before usage.



## 1. Description

The Laser Rangefinder optics system has 4X of magnification. You can also enlarge the view from 1X to 4X by Zoom Out/ Zoom In. It is suggested to Zoom out to 2X digitally, which is 8X in total when ranging. Range accuracy is +/- 0.3m. The maximum distance to golf flag is 400m by scanning the Rangefinder and then the closest distance to golf flag will be locked and displayed instead of to further targets behind golf flag. Range maximum distance is 1000m to high reflective objects. Objects color, size, surface & measuring environment difference can cause different distance feedback for same distance.

## 2. Specifications:

Optics magnification	4X
Digital magnification	1-4X
Resolution	1080P-Full HD
LCD display	320*240
Memory Card	Micro SD
Battery	Lithium 16500 rechargeable
Modes	1. ranging, 2. recording with ranging, 3. play back
Reticle setting	4 choices available
Ranging function	1. standard ranging 2. golf flag ranging 3. vertical height measure 4. golf slope 5. speed mode
Setting	Auto Power Off, Screen Protection, Language, Measure Unit(Meter/Yard) etc.

## 3. Battery installment & charging

### Battery installment:

The package is included with one 16500 Lithium battery. Flip up the battery door and turn it counter clockwise to open it. Insert battery in according to polarity indicator inside the battery compartment & also on battery. Then put battery door back and tight it clockwise.(图片)

### Charging:

The Rangefinder is packed with a USB charging cable and Smart Charger. There are TWO ways to charge battery, charging the Rangefinder with battery directly via USB cable to Wall Charger, or charging battery via Smart Charger with USB cable to Wall Charger. The Wall Charger current has to be larger than 1A, or it will take longer time to charge full. (图片)

When connecting the Rangefinder to Wall Charger, the LCD Screen will light up and have Work Mode and Charge Mode for your choice. Please use the Down Arrow and OK button to choose Charge Mode. Then the indicator light around USB port will be on. When fully charged(about 4 hours via 1A wall charger), the light will go off.

Please note: When charging, the Rangefinder will be powered off. Please don't turn the Rangefinder on again. Otherwise, you need to choose Charge Mode again.

When charging via Smart Charger, the LCD window will indicate battery charging status. When fully charged(about 2 hours via 1A wall charger), the window backlight will go off and the 4 bars in the

battery icon will display.



#### 4. Power ON/Off

To turn the Rangefinder on, press and hold power button until the LaserWorks appear on the LCD screen. To turn it off, also press and hold power button until the LaserWorks appear and disappear.

If the Rangefinder doesn't turn on as expected, please check if battery has power and whether it is installed correctly.

#### 5. SD card installment

The micro SD card comes along with the package. When the Rangefinder is powered off, open the SD card & USB port cover and insert the card in with chip facing up. There is only one way to insert SD card. Do not force the SD card in, otherwise it will cause damage to the Rangefinder and the card. Please note when the rangefinder is on, don't insert card. It will cause software damage to the Rangefinder as well.



Tripod Hole

USB & Memory Card Slot

Battery Door

#### 6. Parameter setting

When the Rangefinder is on, press SET button to go to Recording mode, then press MENU again to enter Setup & Video setting. Use to Down/Up arrow button to scroll Setup/Video items, Left/Right arrow button to choose Setup or Video. Use OK button to confirm choice.

Setup	
Date/Time	
Auto Power Off	Off / 3 / 5 / 10 mins
Screen Protection	Off / 3 / 5 / 10 mins
Language	English/French/Spanish/Portuguese/German/Italian Simplified Chinese/Chinese/Russian/Japanese
Frenquency	50 Hz / 60 Hz
Measure unit	Meter/ Yard

Fog Measure	Off / On
Format	(All data will be deleted) Cancel/ OK
Deault Setting	(Return menu setting to defaults) Cancel/ OK
Version	V1.0

Video	
Resolution	1080P/ 720P
HDR	Off/ On
Exposure	
Video Stamp	Off/ On

When at Video setting, press MENU button again to exist Setting.

## 7. Function

LW501 has functions of ranging, recording with ranging and video playback.

Please use the SET button to enter into the functions needed. Factory default setting is ranging functions.

### 7.1 Ranging

For 1<sup>st</sup> time power on, ranging function will be in Standard Ranging mode. For future usage, when powered on, the system will remain last time usage function and setting.

Ranging modes: Standard ranging, Golf flag lock, Vertical height measure, Golf slope compensation & Speed modes. Short press Right Arrow button to choose ranging modes.

#### 7.1.1 ranging mode

Use the center aiming point to aim at targets, then press OK button and release to start measure and get distance feedback. Rangefinder keeps measuring when aiming point is flashing. Move Rangefinder across to different targets, relevant distance value will be readout on the screen. Press OK button again to stop measuring.



#### 7.1.2 Golf flag lock

Use the center aiming point to aim at targets, then short press OK button to start measure and get distance feedback. Rangefinder keeps measuring when aiming point is flashing. Move Rangefinder around golf flag, then relevant distance value will be readout on the screen and vibrate to indicate

distance to flag is locked. When move rangefinder closer, shorter distance will be displayed via front target priority technology. Press OK button again to stop measuring.



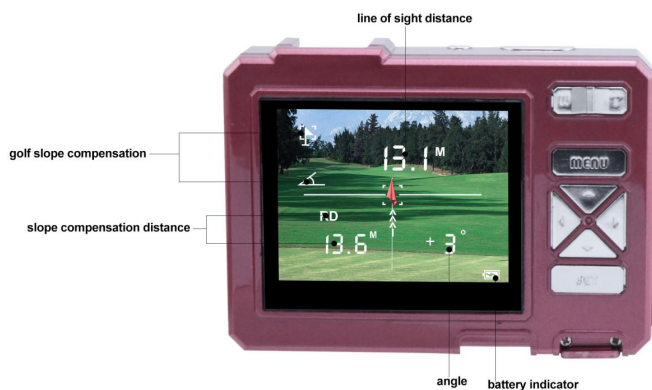
### 7.1.3 Vertical height measurement

Use the center aiming point to aim at the bottom/top of target, short press OK button to start then move the aiming point along to the top/bottom of target. The vertical height of target will be displayed. Short press OK button again to stop measuring.



### 7.1.4 Golf slope compensation

Use the center aiming point to aim target and short press OK button to start measuring. Use the center aiming point to aim at targets, then short press OK button to start measure and get distance feedback. Rangefinder keeps measuring when aiming point is flashing. Move Rangefinder around golf flag, then relevant distance value will be readout on the screen and vibrate to indicate distance to flag is locked. When move rangefinder closer, shorter distance will be displayed via front target priority technology. Press OK button again to stop measuring.



### 7.1.5 Speed

Only when target is moving horizontally with rangefinder laser, then speed measurement data is correct. Use center aiming point to aim at target, short press OK button to start measurement and move rangefinder aiming point along with target. Then the speed will be displayed and ranging stopped.



### 7.2 Recording with ranging

When in Recording mode, please use the right arrow to chose ranging modes of Standard ranging, Golf flag lock, Vertical height measure, Golf slope compensation, Golf slope compensation & Speed modes.

Please short press OK button to start recording. Please use the center aiming point to aim at target, the distance data will be displayed as in ranging functions.

Please short press OK button again to stop recording.

Ranging data watermark only reserve line of sight distance and data in video.



### 7.3 Video playback

Please use UP/DOWN button to choose video and then short press OK button to play. Short press OK button again to stop play.

