

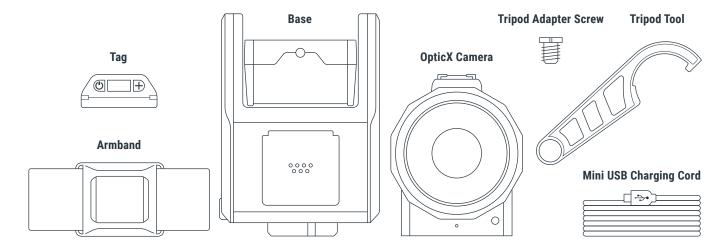
Optic65 and Optic25 Camera Bundles

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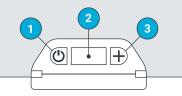
Your SOLOSHOT3

In the Box



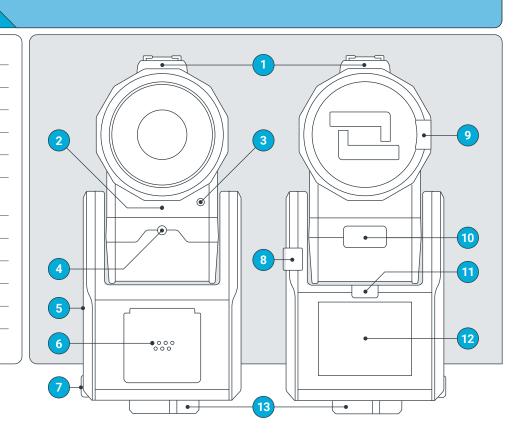
Tag

- 1 Power Button
- 2 OLED Screen
- **3** Function Button



Base & Camera

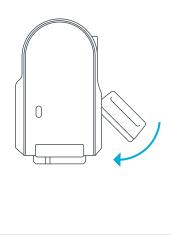
- 1 Hot Shoe
- 2 Mono Mic
- 3 3.5 mm Auxiliary Jack
- 4 Indicator LED
- 5 K-Lock Slot
- **6** Accessory Port/Tag Charger
- 7 Mini USB Charging Port+ USB Type A Port
- 8 HDMI Out
- 9 Micro SD Card Slot
- 10 Camera Release Button
- **11** Power Button
- 12 Touchscreen
- **13** 3/4" Tripod Mounting Head



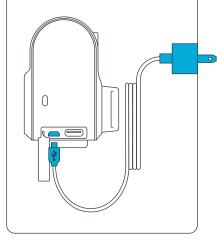
Charging your Base and Tag

Dock the Tag, with buttons facing up, into the Accessory Port on the front of the Base.

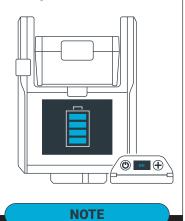
Attach the Tag to the Base by first inserting from the top, as depicted in the graphic below.



Insert USB cable into a USB outlet adapter (not included) rated at 1.5A to 2.1A (most tablet charger adapters) and plug it into the **Base**.



Fully charge the **Base** and **Tag** prior to use. This will take about 4 hours. Charging time varies based on USB wall adaptor rating.



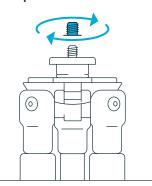
ONLY Base & Tag contain batteries and must be recharged.

Connecting the Base to your Tripod

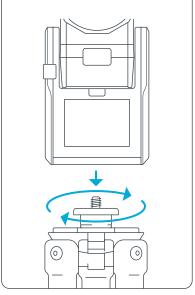
For the best results, we recommend mounting the Base on a Tripod with a 3/8" mounting screw.

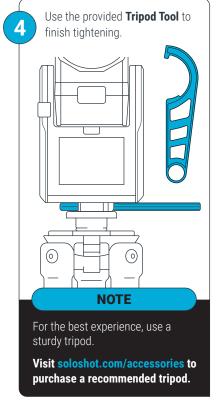
If you already have a pan/tilt head on your tripod, please remove it prior to connecting your Base.

If your tripod only has a ¼" screw, use the provided **Tripod Adapter Screw**.



Hand tighten the Base onto your tripod until you feel light resistance from the panning motor. Avoid excessive manual panning and tilting of the BASE motors by hand.





Preparing your SOLOSHOT3

Insert an approved MicroSD card into the side of the OpticX Camera. You will hear a click when fully inserted.

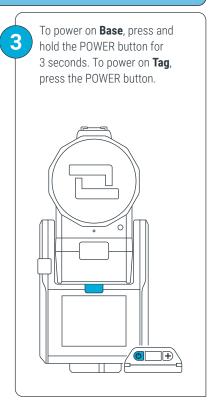
IMPORTANT

Your SD card will be completely erased. Make sure to save any content that you don't want erased!

Visit soloshot.com/sd-card for a

list of compatible SD Cards.

Dock the OpticX Camera to the Base by guiding it down onto the tilt drum from above, and then pushing it forward until it securely clicks into place.



Update and Registration

Continue on next page

Create a SOLOSHOT account on the web at: soloshot.com/ss3setup

Power on Base and follow on-screen instructions to update your device.

Hello.
It takes just a few minutes to set up your SOLOSHOT3.

LET'S GO!

IMPORTANT

Base must be charged or charging to update.

After registering your Tags, you are prompted to select the tracking preferences of the Tag.

TAG Registration Successful
Ottofilmore
TAG Name
TI_Ottofilmore
CONTINUE

IMPORTANT

Screen will be blank for up to
1 minute during certain steps of update process. Do not power down device during update.

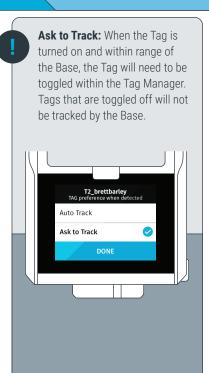
Update and Registration

Continued from last page

Auto Track: When the Tag is turned on and within range of the Base, the Base will automatically track this tag. This is the default.

T2_brettbarley
TAG preference when detected
Auto Track

DONE





Location Setup

To ensure the best filming results:

- **a.** Level your SOLOSHOT using the bubble level on the TRIPOD.
- **b.** Ensure that both the BASE and TAG always have a clear view of the sky.
- **c.** Do not bring the TAG and/or BASE inside once powered on.
- d. Do not setup under an overhang, dense tree canopy, or close to a building or cliffs.

Setting up the SOLOSHOT Tripod

Open and set up the **Tripod** by unlocking the **Leg Locks (b)** and extending the telescoping legs until the Tripod is at the desired height. Lock the Leg Locks. In windy or otherwise unstable conditions, be sure to widen the leg stance using the **Wide Leg Locks**.

Tripod Neck Extension:

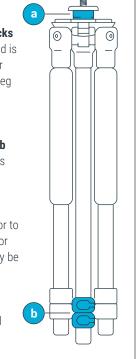
Extend the Tripod Neck by loosening the **Neck Thumb Screw (a)**. Tighten Neck Thumb Screw and Leg Locks when desired height is achieved.

Wide Leg Lock Option:

Use a wider stance if necessary to improve stability or to account for local topography. For example, in windy or unstable conditions, or in areas where the Tripod may be bumped or jostled, you should use a wider stance.

Windy Conditions:

Add a weight to the hook on the bottom of the Tripod neck and/or widen the leg stance, as outlined above.



Safety and Security

Make sure the location you choose for your SOLOSHOT3 is safe and secure.

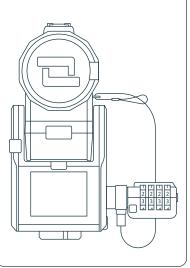
Be smart and creative when selecting your setup location when leaving your Base and Camera unattended.

IMPORTANT

Do not use SOLOSHOT near high voltage power lines, radar/radio jamming equipment, or telecommunications towers. To ensure proper functionality of your SOLOSHOT, stay at least 500m (0.3mi) away from these areas.

Use the k-lock accessory to secure the Camera to the Base.

Available at soloshot.com/products/lock.



SOLOSHOT INC IS NOT RESPONSIBLE FOR THEFT OR DAMAGE TO YOUR SOLOSHOT3 AND ITS ACCESSORIES.

Home Screen

Tags: Select Tags that you would like to track.

Track: Start/stop tracking, toggle record on/off, trigger single photos or bursts, adjust tracking and camera settings, quickly manage your Tag(s), and live stream.

Time Lapse: Capture a series of photos at preselected intervals.



Settings: Manage Wi-Fi, format the SD card, adjust screen brightness and more.

Update: Install the most recent software updates on the Base, Tag and/or Camera. When updates are available, the user will be notified upon entering the Update App.

Gallery: Playback your video and photos on the touchscreen. [Coming soon]



Account: Manage your SOLOSHOT account on the Base.

Using the Track App

Begin Tracking









WATER: For performing activities on the water. Examples: surfing, kiteboarding and sailing.

FIELD: For performing activities on a LEVEL playing field.
Examples: soccer, track & field and equestrian.

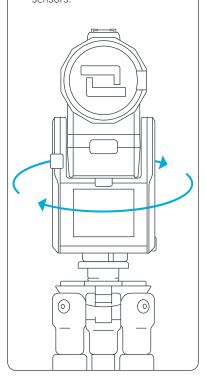
TERRAIN: For performing activities on UNEVEN surfaces.
Examples: skating, snowboarding and motocross.

FLIGHT: For performing aerial activities. Examples: RC planes, drones (UAVs) and paragliding.



Calibrating

The BASE will spin for about 1 minute as it calibrates the sensors.





Successful Calibration

Once calibration is successful, your Base will automatically begin tracking the selected Tag(s).

The Camera viewfinder appears on the screen.

The LED at the front of the BASE blinks green.

If every selected Tag indicates they do not wish to be tracked, then the Base will be idle.

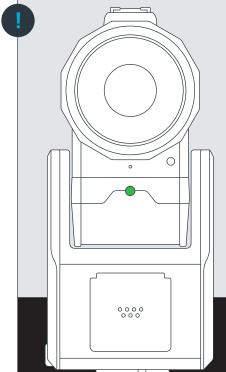


Problem Detected

Calibration may fail due to poor GPS signal or local magnetic interference. In this case, follow the on-screen instructions.

Please be sure to set up your Base in a location with a clear view of the sky and away from sources of magnetic interference.

See: LOCATION SETUP



Green Indicator LED States

LED is highly directional & changes brightness with distance. If you can see it, the Base is pointing at you and you are within range.

Slow Blinking

Base is actively tracking. No problems detected.

Medium blinking

Base has begun tracking, but computer vision is not yet engaged.

Rapid blinking

Problem detected. Return to the Base immediately and resolve the issue via on-screen instructions.

TIP

Before beginning your activity, we recommend that you walk back and forth in front of the CAMERA a few times in the area where you will be performing your activity if possible. This will allow the CAMERA's smart tracking system to center you in the screen.

Using the Viewfinder

1 Tag Manager

Displays how many Tags are being tracked. Tap to navigate to the Tag Manager.

2 Track

Start or stop tracking.

3 Record

Start or stop recording.

4 LIVE

Start or stop live streaming.

5 Status Bar

Displays Wi-Fi strength and battery level.

6 Pulldown Menu

Access the home screen, Wi-Fi, camera controls, and settings.

7 SD Card Indicator

Available SD Card Space and Record Time

Pulldown Window

8 SD Card Storage Space

Displays how much recording time or number of photos remaining.

9 Home

Exits the Track App, stops tracking/recording and takes you back to the Home Screen.

10 WiFi

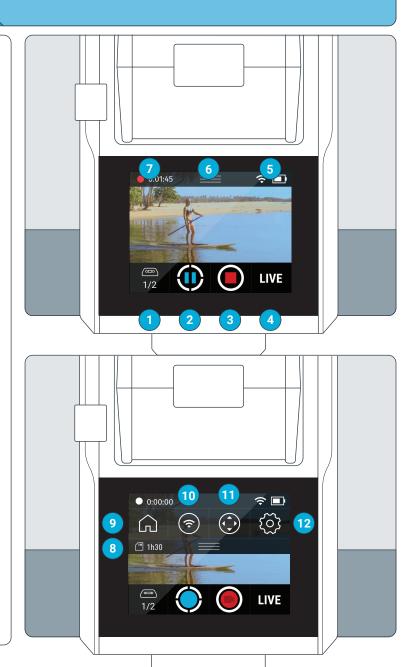
Opens WiFi settings.

11 Refine

Allows you to manually adjust the framing of the the subject in the viewfinder.

12 Settings

Opens the Settings window, allowing you to change Camera Mode and Tracking Settings.



Using the Tag Screen

1 Battery Level

Displays the remaining battery level.

2 Tracking Status

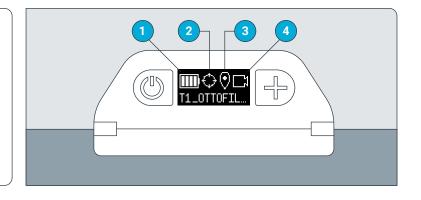
Displays whether the TAG would like to be tracked.

3 GPS Status

Displays the status of the TAG's GPS signal.

4 Record

Displays if TAG would like to be recorded.

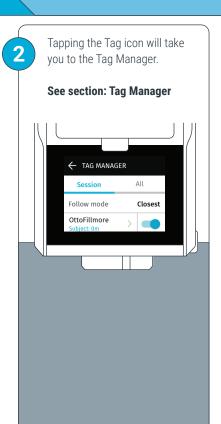


Track App (Tag Icon)

The Tag icon represents the Tag Manager.

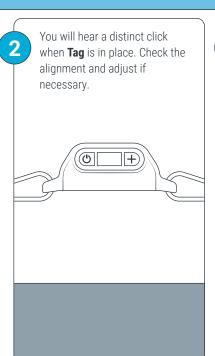
Below the icon are two numbers. The numerator shows how many Tags are currently being tracked in your session. The denominator shows how many Tags are available to track. These are Tags that are turned on, detected, and within range of the Base.

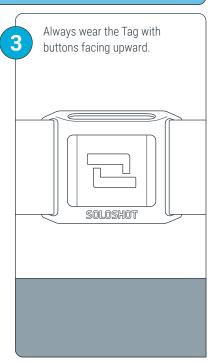




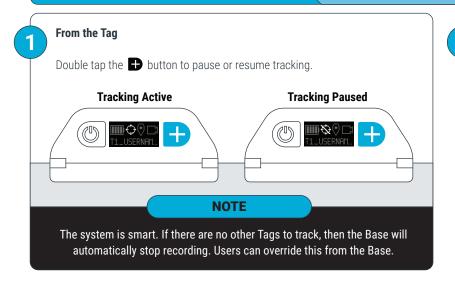
Wearing the Tag

Snap the **Tag** into the **Armband** clip with the button side aligned with the clip window.

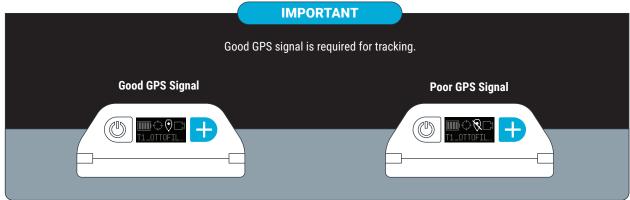




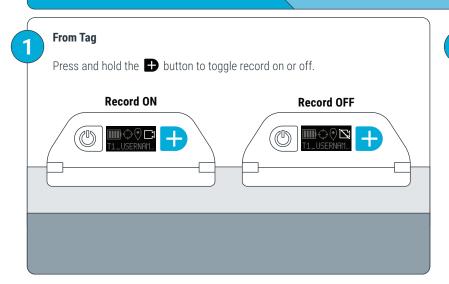
Pause and Resume Tracking







Start and Stop Recording





Start and Stop Live Streaming



Pre-requisites

Connected to Wi-Fi.

Internet Speed Requirements: Stream quality depends on the internet connection speed – a minimum of 1.5 Mbps upload speed is required.

Base is calibrated.

See section: CALIBRATING



This is the live streaming action sheet, which allows you to either begin streaming or change live stream settings.



Add a **Title and Description** to your stream. Both fields are required. This information will appear on your stream in the SOLOSHOTapp.

The Title is a required field.

When left blank, it will default to "Live with #SOLOSHOT3"



Select GO LIVE.

The Base will attempt to connect to the SOLOSHOT network.

Live Stream Started

while live stream is active, the track app interface shows the LIVE highlighted in red.

Live Stream Failed

blurb on why you may not be successfully live streaming.



To stop live streaming, tap the LIVE button, then END LIVE.



Warning:

All live streams are viewable to the public on the SOLOSHOT app.

Regardless of recording resolution, the live stream video is compressed at 720p60.

Your live streams appear on the SOLOSHOTapp and app.soloshot.com. Be sure to download the SOLOSHOTapp on the App Store or Google Play!

By streaming, you agree to all terms and conditions including privacy as described at **soloshot.com/terms**

Moving the Base

1

It is possible to reposition the Base at any time.

NOTE

Maintain location setup best practices.

See section: LOCATION SETUP

2

Simply pick up the BASE (and TRIPOD) and move it to a new location. $\,$

If tracking is on, picking up the Base will automatically pause tracking and recording. Once stable, the Base will re-calibrate and resume tracking and/or recording

If tracking is paused, the Base will re-calibrate once the user resumes tracking.

Tracking Distance



Minimum Distance

The Base is optimized to track Tags at least 10 feet away. When tracking Tags inside a 10 feet radius, the Base may temporarily lose the subject.



Maximum Distance

Up to 2,000 feet away. If Tags fall out of range, the Base will become idle, or track the next available tag in multi mode

Advanced Track Settings



Many tracking settings are available to suit your filming preferences.

Tracking settings can be adjusted prior to calibration or any time during tracking/filming.

The default settings are:

Camera Mode: Video

Resolution: 1080p60 fps

Framing: Bottom Center

Field-of-View: Medium

Trajectory: 3-seconds





Track Mode

WATER

For performing activities on the water. Examples: surfing, kiteboarding and sailing.

FIFI D

For performing activities on a LEVEL playing field. Examples: soccer, track & field and equestrian.

TERRAIN

For performing activities on UNEVEN surfaces. Examples: skating, snowboarding and motocross.

FLIGHT

For performing aerial activities. Examples: RC planes, drones (UAVs) and paragliding.

Field of View

The Field of View (FOV) determines how much of the shot is visible on Camera. The tighter the FOV, the camera will zoom in. The subject will appear larger in the frame relative to the visible background. The wider the FOV, the Camera will be zoomed out. The subject will appear smaller in the frame relative to the visible background.

Field-of-View Parameters:

Tight: 10 meters
Medium: 20 meters
Wide: 40 meters
Extra Wide: 80 meters

Framing

Framing determines where the subject will appear within the shot. Choosing a framing setting is entirely based on personal preference.

Example 1: framing the subject at Bottom Center will focus the camera on subject and the background of the subject. There will be little foreground in front of the subject.

Example 2: Center framing will put an equal emphasis on foreground and background, while keeping the subject at the center of the action.

Framing Parameters:

Top LeftTop CenterTop RightMiddle LeftMiddle CenterMiddle RightBottom LeftBottom CenterBottom Right

Trajectory

If the Base temporarily loses the Tag's signal, the trajectory will determine how long the Base will continue to move in the same direction and speed at the time the signal was lost.

The default is set to 3 seconds. Range is 1-10 seconds.

Example: Great for surfing when becoming completely covered up in a barrel. This mode keeps the Camera tracking on the last known trajectory to ensure that you're still in frame when reemerging.

The Camera will pause temporarily pause tracking if it's unable to reacquire the Tag's signal within the specified trajectory time setting. In other words, if you plan on being inside a barrel for more than 3 seconds, then set trajectory to 4 seconds or more.

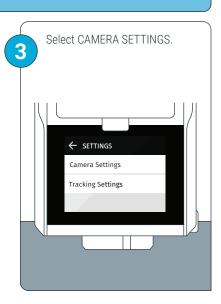
Once the Camera reacquires the Tag's signal, it will automatically resume tracking.

Camera Settings

Access Camera Settings



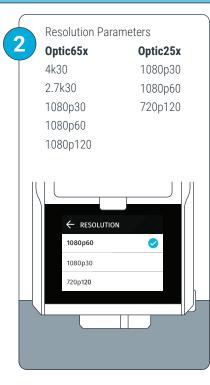




Video Mode

By default, the Camera is set to Video Mode with a resolution of 1080p60.

Within Camera Settings, tap RESOLUTION to change the record resolution.



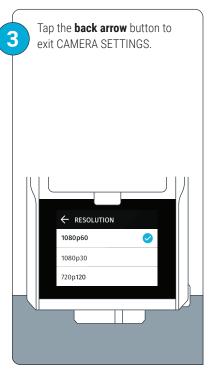


Photo Mode

Within Camera Settings, tap
Camera Mode to switch to
PHOTO MODE.

Tap the back arrow button to exit
CAMERA SETTINGS.

From this menu, adjust the PHOTO MODE

SINGLE or BURST

TIMER: The delay time between when you tell the CAMERA to take a photo(s) to when the shutter fires.

Camera Mode
Photo Mode
Single
Timer
2 sec

When selecting PHOTO BURST, a new option is available.

RATE: This setting allows you to choose the number of consecutive photos to take over a period of time.

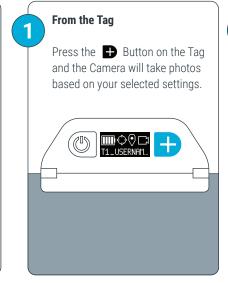
CAMERA SETTINGS
CAMERA MODE
Photo Mode
Burst
Rate
30 photos/10s
Timer
2 sec

Taking Photos

In Photo Mode

Base does not need to be calibrated.

Pre-requisites



Tap the SHUTTER/RECORD button.

Follow Mode Settings

 \overrightarrow{i}

Pre-requisites:

At least 2 TAGS and/or BASES.

Purchase additional products at **soloshot.com/shop**.



Closest

The Base will track the closest

Tag.

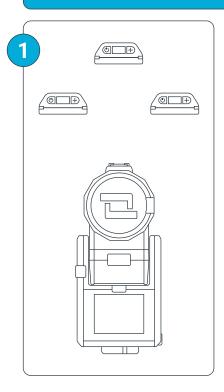
Fastest

The Base will track the fastest moving TAG.

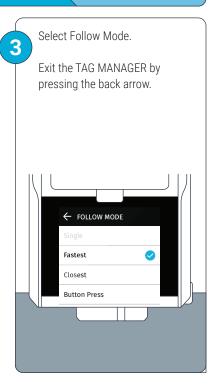
Button Press

Tapping the button on the Tag will trigger all Bases on the Button Press setting to begin tracking that Tag. The Base will continue to track this Tag until another Tag performs the button press.

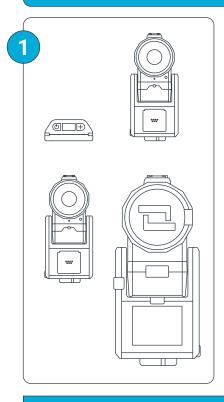
Filming Scenarios: Multiple Tags from a single Base





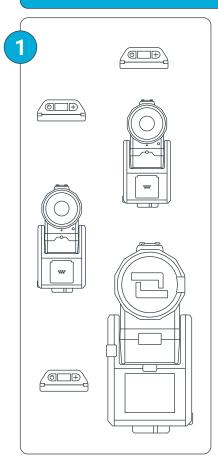


Filming Scenarios: Single Tag from multiple Base





Filming Scenarios: Multiple Tags from multiple Bases



with a single Tag. (See section: BASIC TRACKING) On all Bases being used: Enter the TAG MANAGER. Toggle tracking on for the Tags that you would like to track. The Tags that you'd like to track in the session must be saved to the Base. ← TAG MANAGER Follow mode Closest T4_landandwaterc... T1_landandwaterc... T2_landandwaterc...
Distance: 66m T3_landandwaterc... T5_landandwaterc... T6_landandwaterc... Not Detected

T17_landandwater...

Setup and calibrate your Base



Motion Time-Lapse

Setting MTL Parameters

Motion Time Lapse is the ability to capture a series of photos at while moving at predetermined intervals.

> Tap the settings panel to configure how many photos you'd like to take over a period of time.



The INTERVAL represents how many seconds will elapse in between each photo.

Interval Parameters

3s, 5s, 10s, 30s, 60s

Tips:

Use a shorter interval [1-3 seconds] when capturing faster moving objects.

Use a longer interval [5 seconds or more] when capturing slower moving objects

The NUMBER OF FRAMES represents how many photos will be taken in the session. **Number of Frames Parameters** 10, 100, 300, 450, 900, 1800 ← NUMBER OF FRAMES 300 450 900

NOTE

The Elapsed Time is the total time it takes to perform the motion time lapse. It is calculated by multiplying the interval by number of frames, and is displayed in total minutes.

Setting Start and End Points

Use the arrows to find a START point and adjust the field of view [degree of ZOOM].

Tap SET.



Use the arrows to select the END 2 point.

Tap SET.



Tap the icon to begin. 3

> At this time, the Camera will re-position to the starting point and begin.



NOTE

The MTL can be cancelled at any time by tapping on the Stop Button. When stopping an MTL, you have the option of saving the incomplete MTL into the SD card, or discarding all the photos taken during the session.

Tag Manager

1

Select one or more Tags that you would like to track.

The TAG MANAGER is accessible both through the TRACK APP and from the home screen.

Tap TAGS from the home screen to enter the TAG MANAGER.

Pre-requisites

In order for a Tag to be detected by a Base, it must be:

- Powered on
- Have been docked to the Base in the past
- Be within the 2,000-ft distance
- · Have a GPS signal

SESSION: This list comprises of Tags that the Base is currently tracking, meets the pre-requisites to be tracked, or has been tracked in the current session.

The list starts out empty until a Tag meets the pre-requisites. Tags remain in the list until the Base has been turned off, but will remain in the ALL list.



ALL: This list shows a history of every Tag that has ever been docked onto the Base, even if they do not meet the pre-requisites.

This allows you to view and manage your history of Tag, including the ability to forget Tags.



Update App



SOLOSHOT3 and its components continually improve over time through software updates.

Updates contain performance improvements, new features, and bug fixes just like software updates on your smartphone or computer.



In the home screen, select the UPDATE APP.

The system will automatically check for available update.



If an update is available, you can view the changelog and/or begin the update by tapping "Update." Follow the on-screen instructions to update the Base, Tag, and

Camera.

If no updates are available, then tap DONE to return to the home screen.





2

Wi-F

Wi-Finetwork is required to perform software updates and to live stream.

Supported Networks:

2.4 GHz

Non-supported Networks:

5.0 GHz

Captive portals

SD Card

View capacity and format your SD card. Remaining storage is calculated based on the currently selected recording resolution in the Track App. [Recommended: Format your SD card the first time before use through Settings > SD Card > Format]

Use only approved SD Cards available through authorized sellers. For a complete list of approved SD Cards visit soloshot.com/sd-card

Display

Adjust the screen brightness and sleep timer.

Battery

View the charging status and current battery level.

Date & Time

Set the date & time, and time zone. [Recommended: set automatically]

Account

Within the Account app, view the name and details associated with your BASES(s). Creating an account is part of the process when using a new BASE for the first time. Go to soloshot.com/ss3setup to create an account.

Base Name: Your first BASE registered with your account will be listed as B1_username.

- If you register a second BASE, it will be listed at B2_username, and so on.
- You can register an unlimited number of BASES to your account.

Base Details: View detailed information and to unregister your BASE from the current account.

- Unregistering your BASE is helpful when logging into a new or different account
- For security reasons, your account password must be entered to successfully unregister.

About

View software, legal, and regulatory information.

Heln

Visit support.soloshot.com

Factory Reset

Resets your device back to out-of-box defaults.

Developer Options

Not for general use.

HDMI Out



Output and Video Playback for TVs and Monitors

WARNING

To avoid damage, remove all cables prior to and during calibration as the Base spins.

The Base outputs uncompressed video from the Optic65 and Optic25 Cameras at 720p60.

HDMI out is available anytime Camera Preview is available on the Base.

Micro HDMI cable is required.

The color space of the HDMI output is RGB.

Maintenance



The Base contains many electrical and mechanical parts and must be cared for to prolong life.

As a general rule of thumb, here are do's and don'ts.



DO NOT submerge the Base and Camera underwater. They are not water resistant.

DO NOT stick any foreign objects between the tilt and main structure of the Base.

DO NOT manually pull the lens out of the camera. Attempting to do so will damage the motors.

DO NOT manually force the Base to tilt or pan.

DO NOT attempt to open the Base to troubleshoot. This will void your warranty.

DO NOT keep cables plugged in during device calibration.



DO clean the Base by lightly wiping with a damp cloth.

DO remove the Base from the tripod after each use.

DO consistently update to the latest software to optimize the Base.

DO rinse your Tag and armband in fresh water after contact with saltwater

DO clean the lens with a microfiber cleaning cloth.