

# OverWatch™ Plugin for ATAK

## User Guide





# OverWatch™ MIL KIT





# OverWatch™ Overview



**OverWatch™** Provides persistent video surveillance at the tactical edge. Networked to stream video through a tethered connection or broadcast over an encrypted tactical radio network. OverWatch™ will present a live view of the battlespace from a fixed or concealed position.

**OverWatch™** reduces the risk of exposure and detection by allowing the user to leave the system behind and access the video stream remotely through Mobile Tactical & Command Post Systems. The system can create tactical video from any connected optic or video source.

**OverWatch™** is a low-voltage capability powered through a micro USB connection or tethered to standard military batteries for extended operations. The system provides automatic network routing and multicast support for rapid deployment and ease of use.

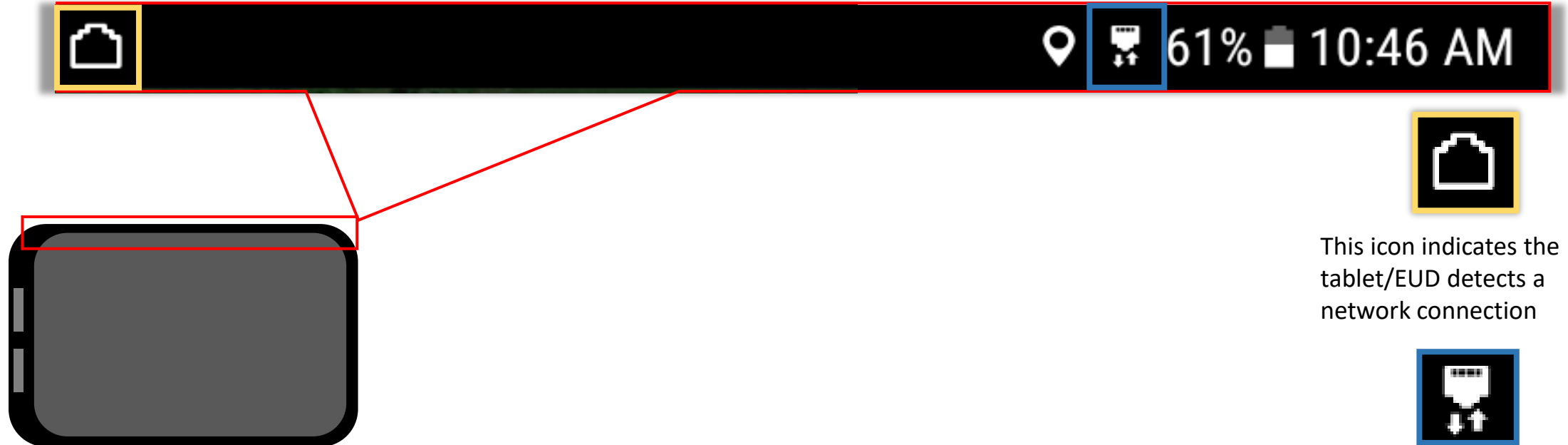


# Before We Begin...



This document assumes the following:

1. ATAK Must be installed on the End User Device before installing the OverWatch™ Plugin.
2. The Reader has followed the steps found in the OverWatch™ Setup Guide
3. The Reader has the system set up and the EUD is receiving an IP Address from the OverWatch™ System.



This icon indicates the tablet/EUD detects a network connection

This icon indicates the tablet/EUD is receiving an IP address from the OverWatch™ System

# OverWatch™ Plugin for ATAK Table of Contents



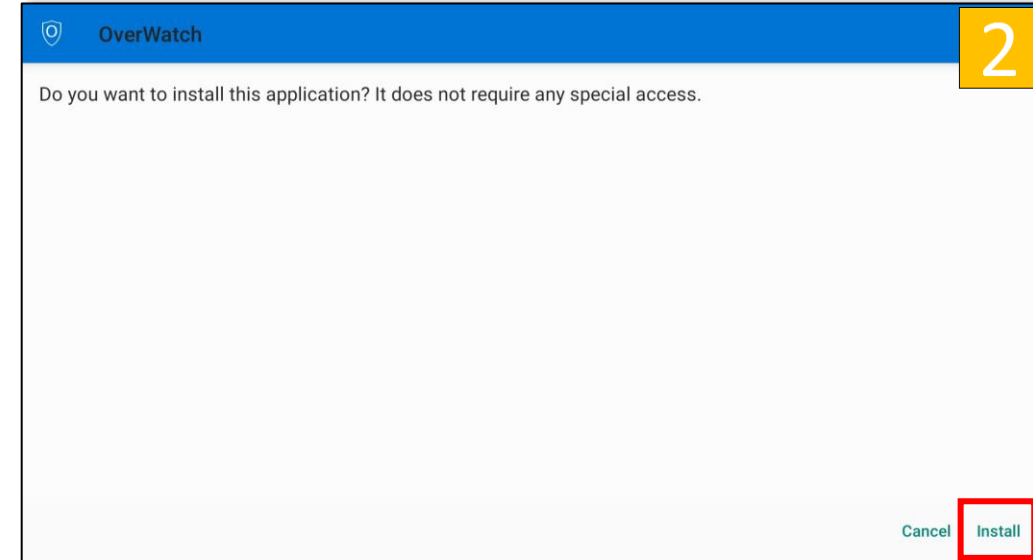
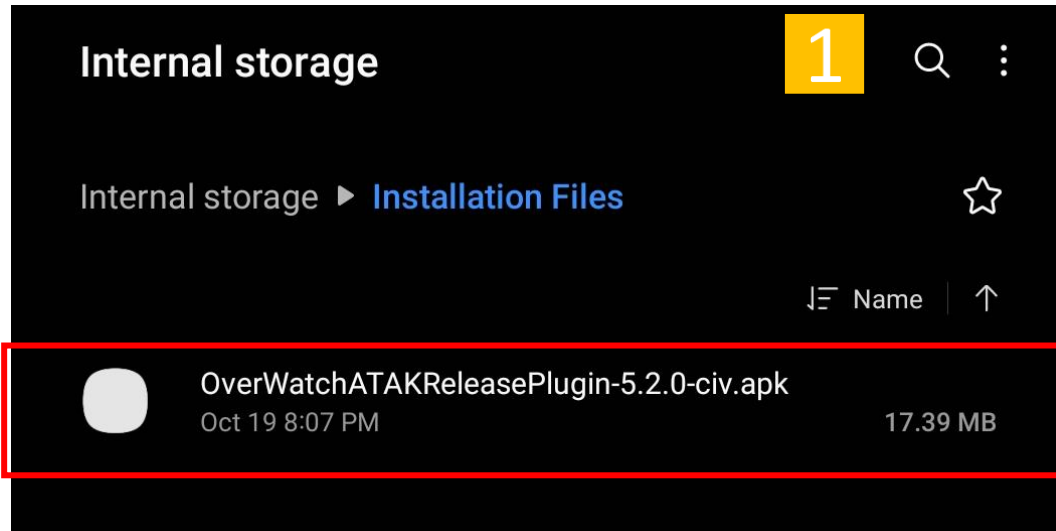
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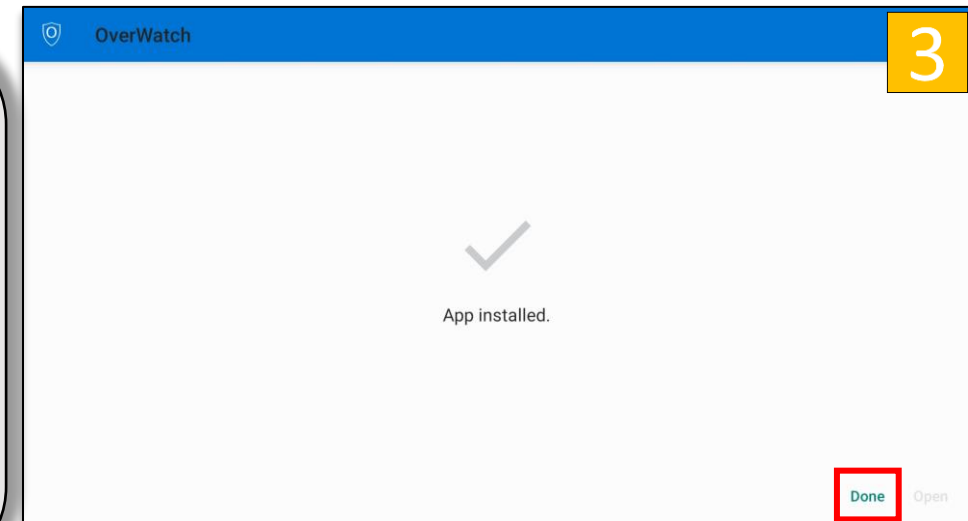
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# Install OverWatch™ Plugin for ATAK

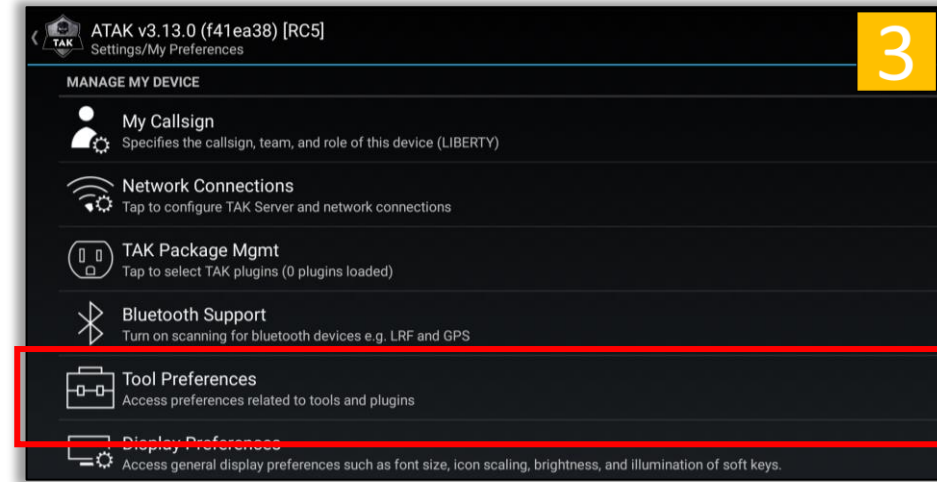
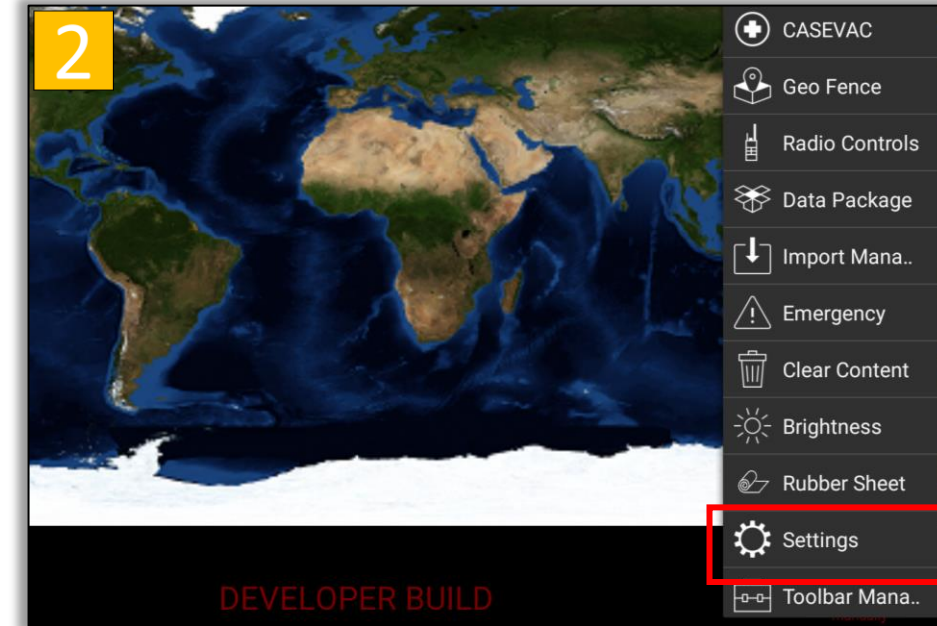
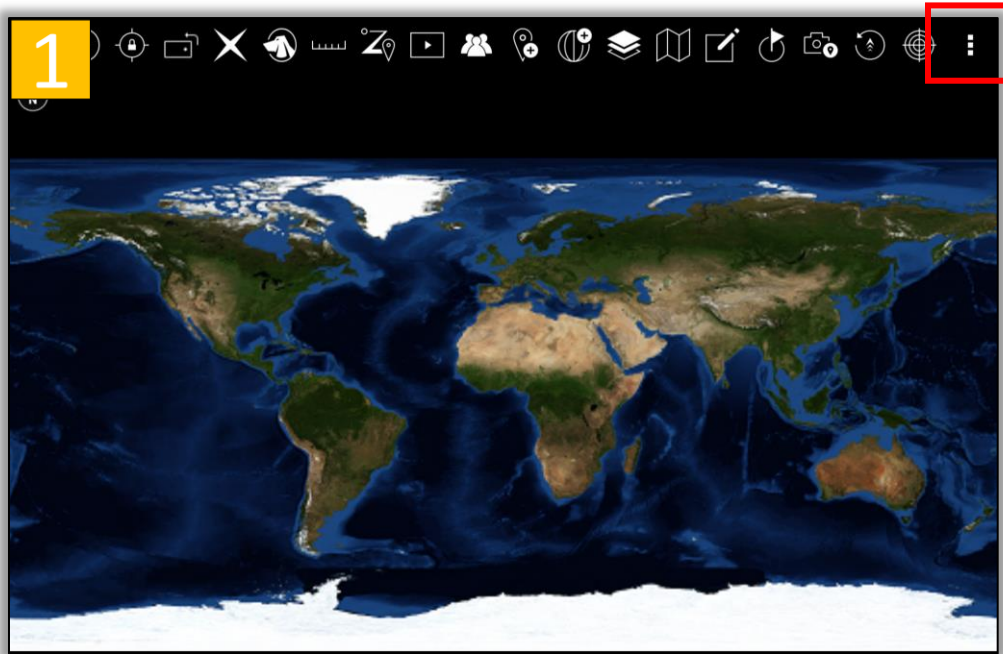


1. **Tap** the OverWatch™ Plugin APK file to begin installation.
2. Review the Permissions Statement then **tap Install**.
3. **Tap DONE** once the installation is complete.

**Note:** The actual APK name may change. You may have to adjust the security settings on your device to install this application.



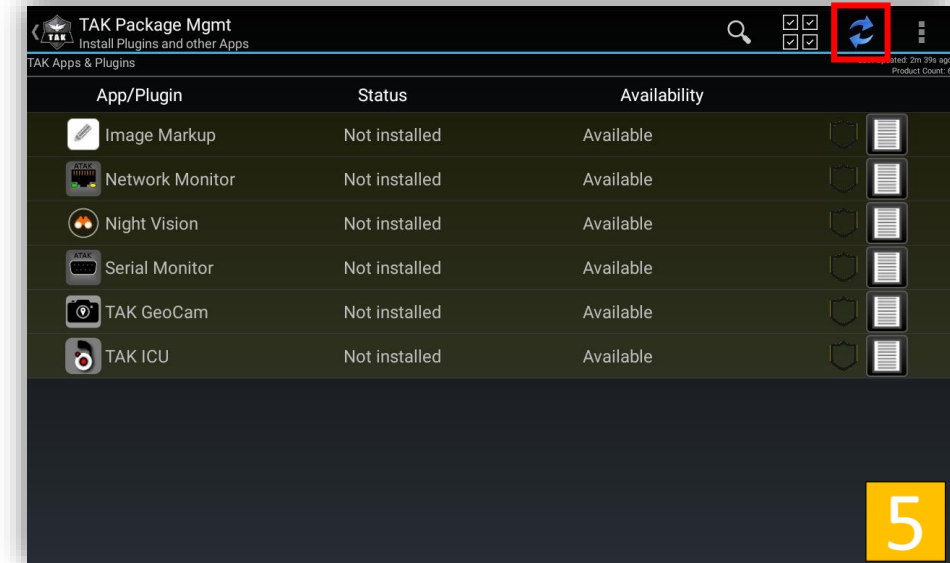
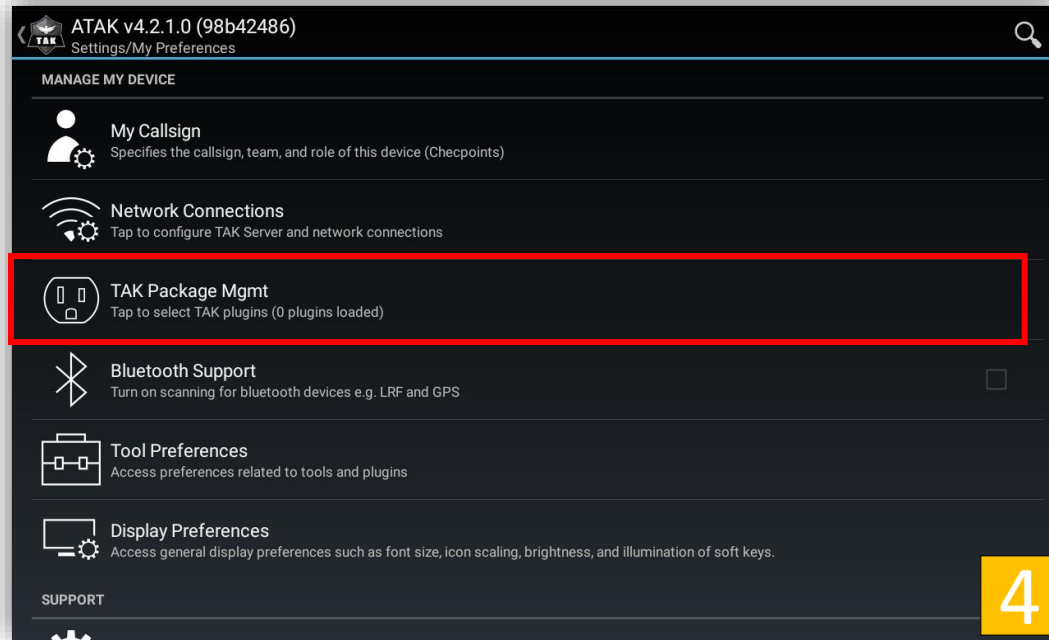
# Load OverWatch™ Plugin for ATAK



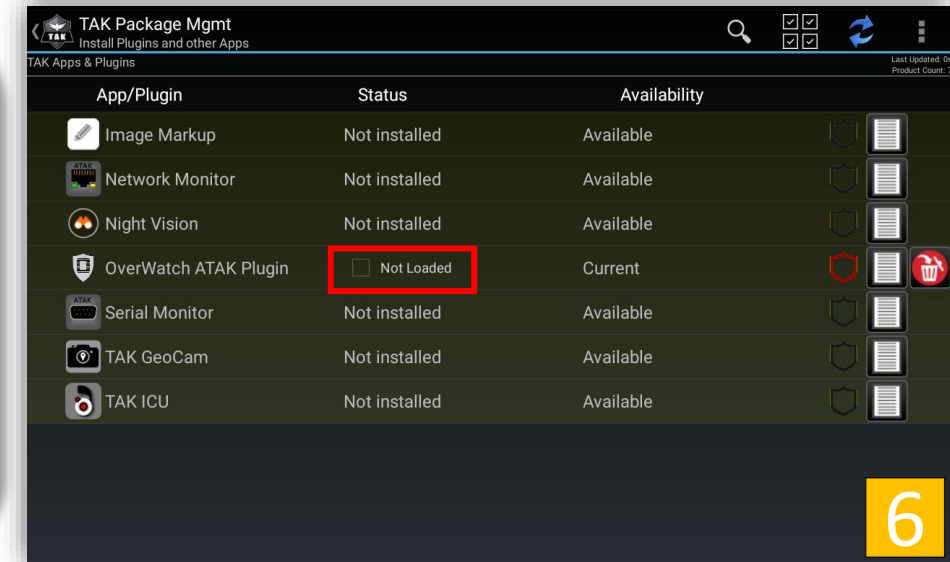
1. **Launch** ATAK then **tap** the Triple Dots button to open the overflow menu.
2. Scroll down to the bottom of the list then **tap** Settings.
3. **Tap** Tool Preferences under the “Manage My Device” section.



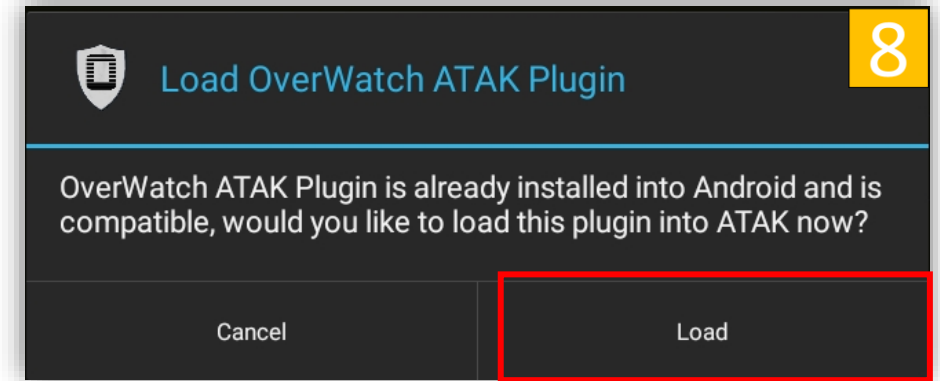
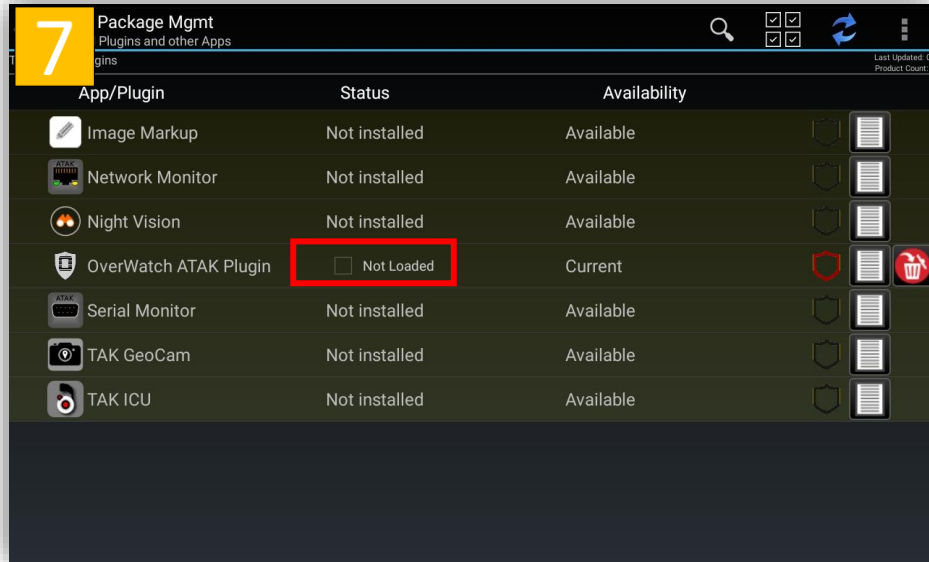
# Load OverWatch™ Plugin for ATAK (Cont...)



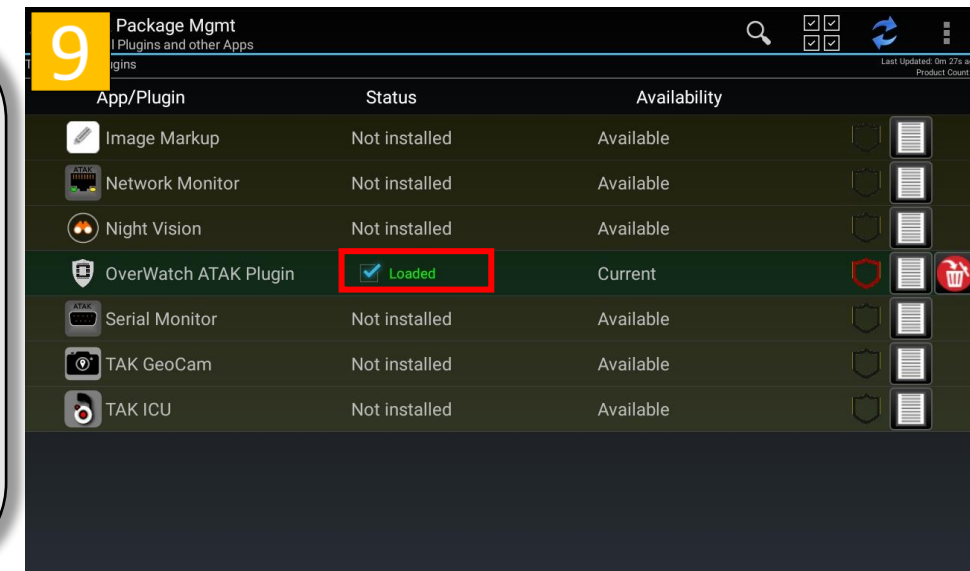
4. **Tap** TAK Package Mgmt.
5. If the OverWatch™ Plugin is not in the App/Plugin list **tap** the **Refresh** button then **tap** OK to Sync Packages.
6. **Tap** the Not Loaded checkbox.



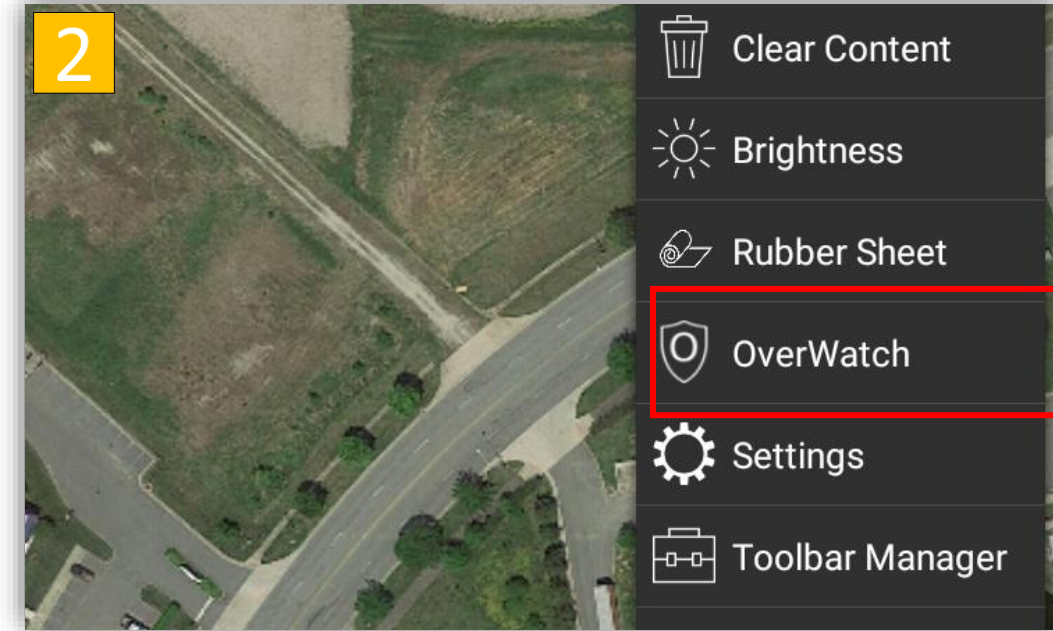
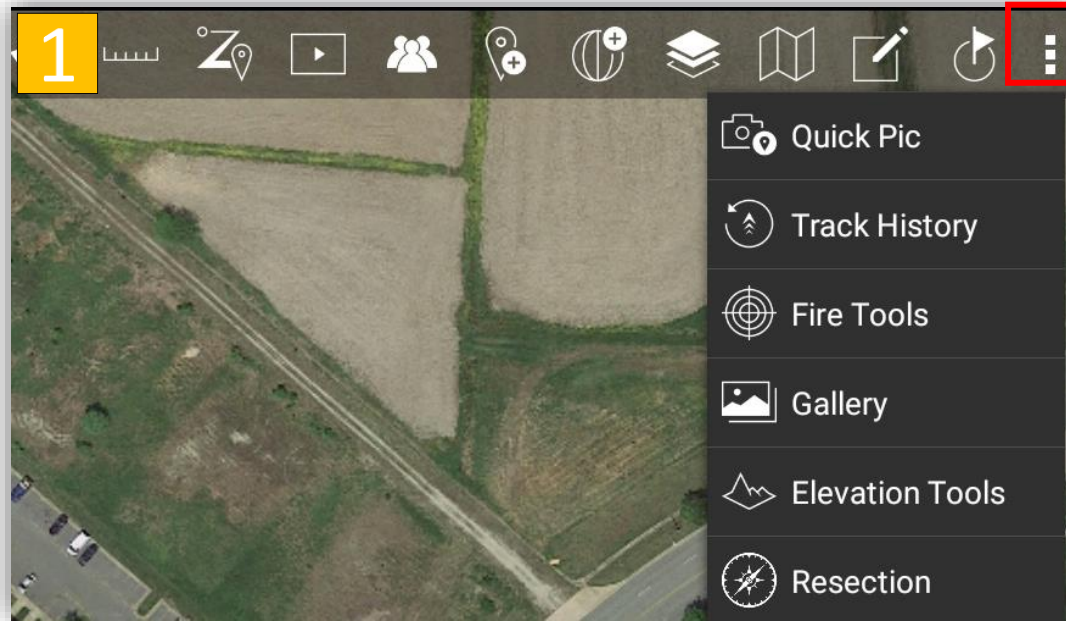
# Load OverWatch™ Plugin for ATAK (Cont...)



7. Review the OverWatch™ Plugin details then **tap** the square next to Not Loaded.
8. **Tap Load** to load the plugin.
9. **OverWatch™** is now loaded. Tap the back button on the EUD to return to the main ATAK Interface.



# Launch OverWatch™ Plugin



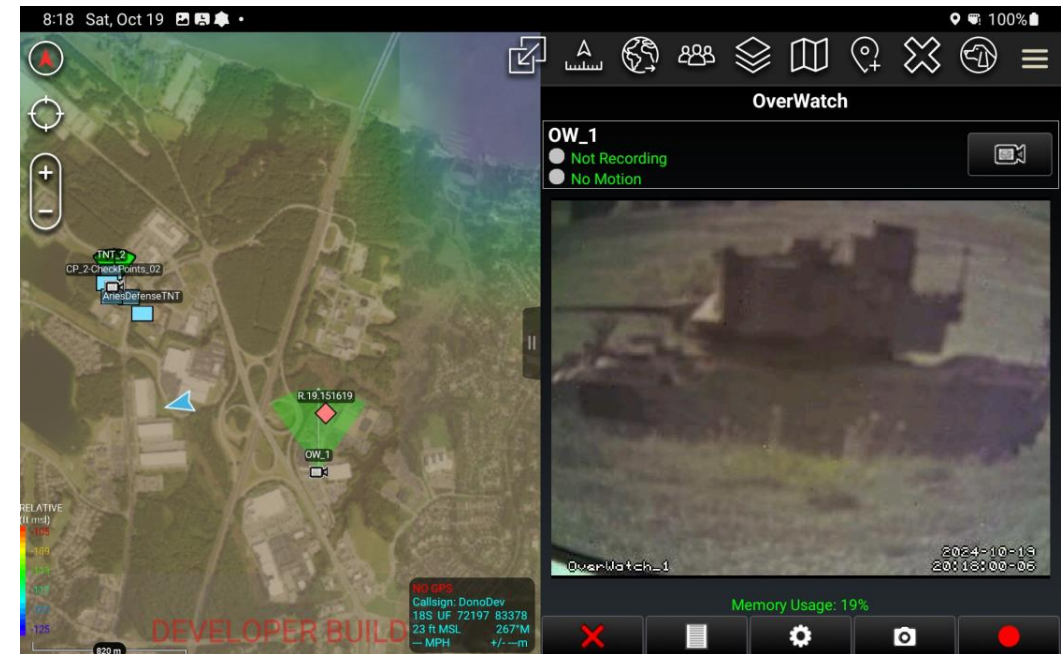
1. **Tap** the Triple Dots button.
2. Scroll down to the bottom of the list and **tap** OverWatch™.
3. The first time OverWatch™ is launched you will be provided a Sensor Selection window with the available video feeds.

3

# Initial Sensor Setup



1. Upon initial set up OverWatch will look for all OverWatch systems on the network.
2. *Select* your desired feed and it will start streaming.





# OverWatch™ Plugin for ATAK User Interface



**ow1**  
● Not Recording  
● Motion Detected

ow1= camera name

● Not Recording  
● Motion Detected = Camera Status

**Memory Usage: 13%**  
Current memory utilization on the end user device (EUD)

**OverWatch™ 01**  
Camera Label

**2019-01-20 15:14:44-13**  
Current Time Stamp

Take a Snapshot of the Current Camera View

Record the Current Camera View

**Close**  
Close the Plugin

**Files**  
View the Snapshots and Recordings

Toggle the OverWatch™ Camera/Field of View

# OverWatch™ Motion Detection



The Field of View on the map will turn from Green (Normal Status/No Motion) to Red (Alert Status / Motion Detected). Go to page 15 and 18 to place camera and field of view markers



**ow1**

- Recording
- Motion Detected

The Camera detects motion and begins to record if that feature has been turned on. Enabling this feature is discussed in the Preferences/Settings Section of the manual.



The OverWatch™ System will draw a box around the area where motion is detected. The box will follow the “object” until it is out of view from the camera or until the system no longer detects motion.

# OverWatch™ Camera Status Matrix



No Motion Detected	Motion Detected not recording	Motion Detected Auto recording
<b>ow1</b> ● Not Recording ● No Motion	<b>ow1</b> ● Not Recording ● Motion Detected	<b>ow1</b> ● Recording ● Motion Detected

**No Motion Detected** -- Motion has not been detected by the OverWatch™ system

**Motion Detected** -- Motion has been detected by the OverWatch™ System

**Recording** -- The OverWatch™ system is recording camera footage while there is motion detected



# OverWatch™ Plugin for ATAK : Select Source



# OverWatch™ Standalone: Select Source



Select Source



Active Feed

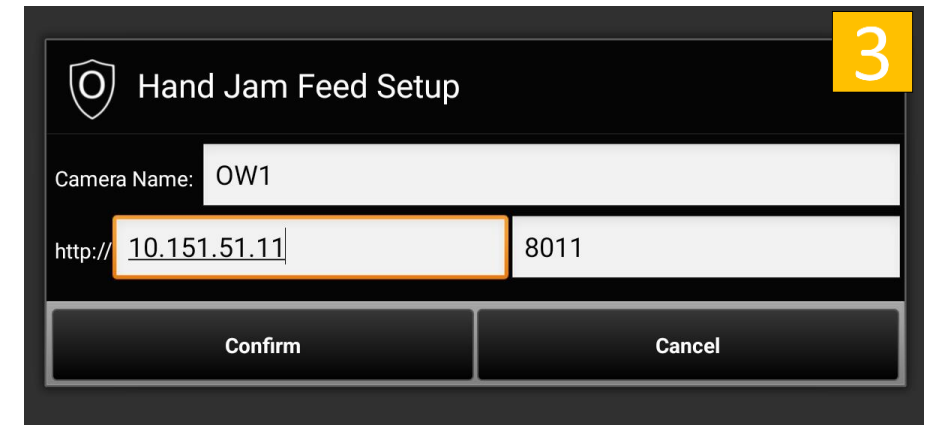
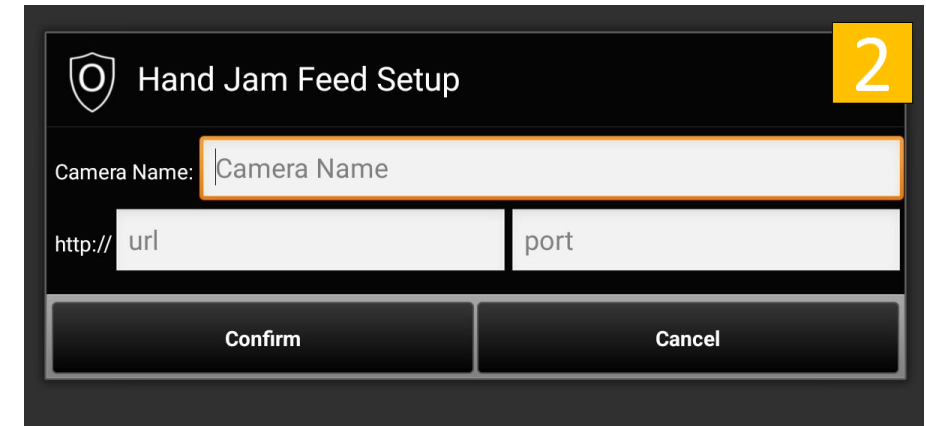
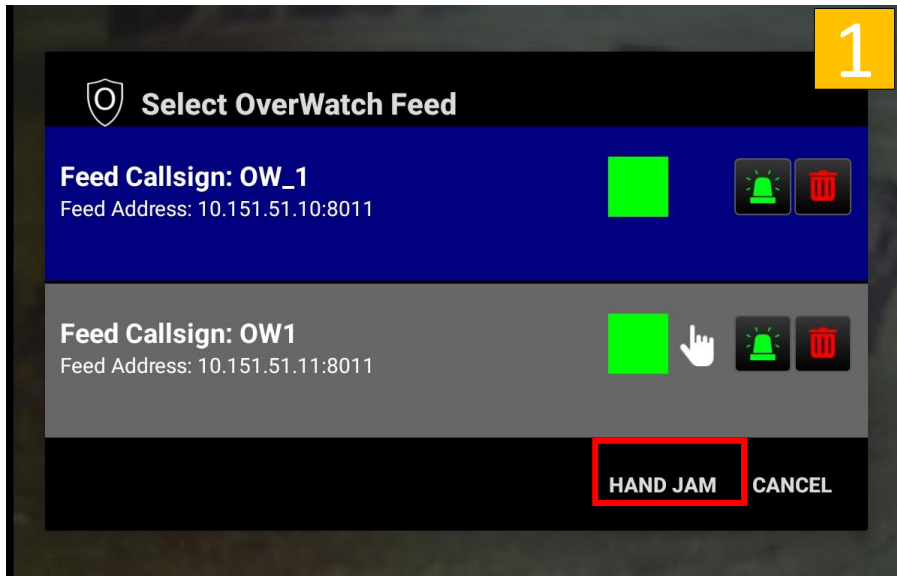
Subscribe Alerts

Delete Feed

Hand Jammed

Stale Feed (after 5 minutes of inactivity)

# OverWatch™ Standalone: Hand Jam Sensor Feed





1. **Select** Hand Jam
2. **Enter** Required Fields
  - Camera Names are user defined.
  - The Default Camera URL is: 10.151.51.10.
  - The Default Port is 8011.
3. **Tap** Confirm to continue.

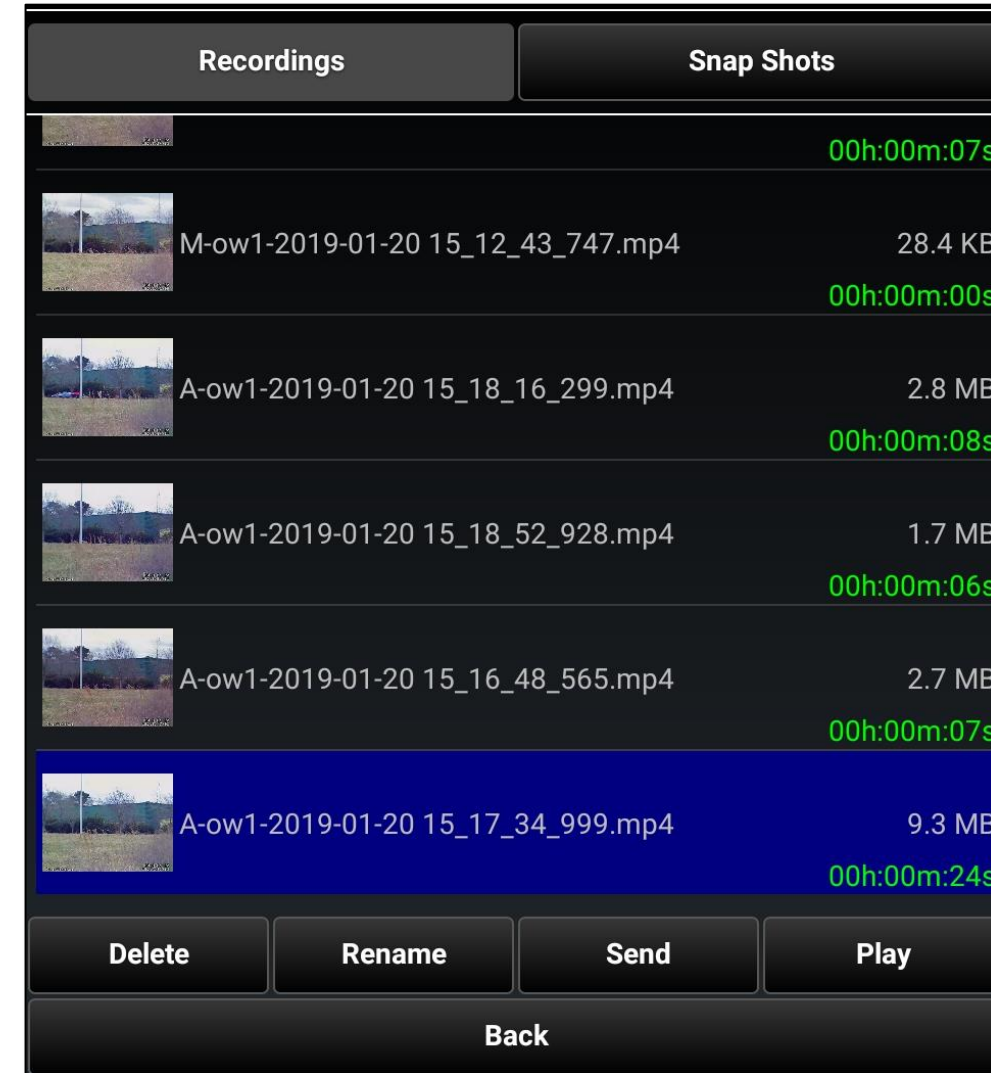
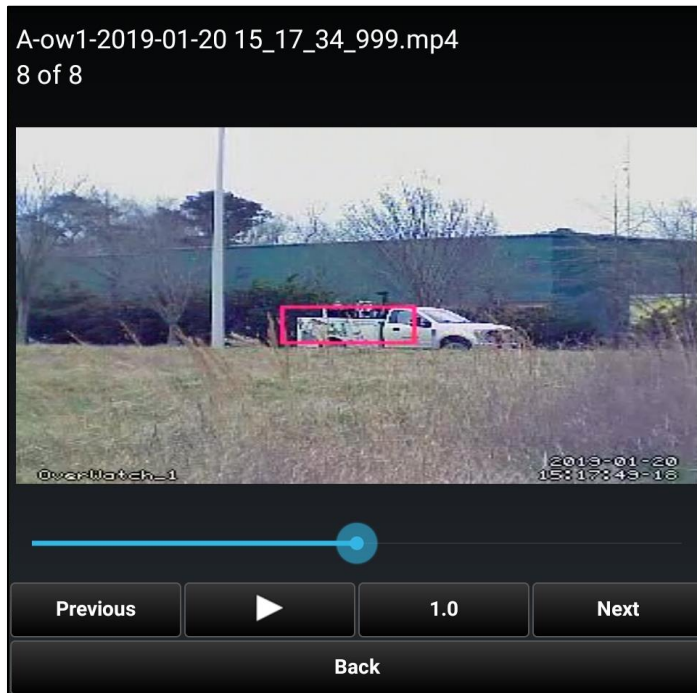


# OverWatch™ Plugin for ATAK: Files

# OverWatch™ Plugin for ATAK: Files Overview









The OverWatch™ Files allows users to view snapshots and recordings. These files are either manually created using the snapshot or record buttons   from the main interface or by toggling the OverWatch™ settings to automatically record when motion is detected. Files tagged with A\_ were automatically captured and files with M\_ were manually captured.





# OverWatch™ Plugin for ATAK: Files - Recordings



Recordings	Snap Shots
	00h:00m:07s
 M-ow1-2019-01-20 15_12_43_747.mp4	28.4 KB 00h:00m:00s
 A-ow1-2019-01-20 15_18_16_299.mp4	2.8 MB 00h:00m:08s
 A-ow1-2019-01-20 15_18_52_928.mp4	1.7 MB 00h:00m:06s
 A-ow1-2019-01-20 15_16_48_565.mp4	2.7 MB 00h:00m:07s
 A-ow1-2019-01-20 15_17_34_999.mp4	9.3 MB 00h:00m:24s


**Delete**   **Rename**   **Send**   **Play**


**Back**

Selected Media

**Recordings**   **Snap Shots**

Selected Video File

 A-ow1-2019-01-20 15\_16\_48\_565.mp4

 A-ow1-2019-01-20 15\_17\_34\_999.mp4

**Delete**   **Rename**

Delete Selected Video   Rename Selected Video

**Play**   **Back**

Play Selected Video   Go Back to Files

# OverWatch™ Plugin for ATAK: Files – Recordings (Cont...)



A-ow1-2019-01-20 15\_17\_34\_999.mp4  
8 of 8

OverWatch\_1 2019-01-20 15:17:49-18

### Video Recording File Syntax

A ow1 2019-01-20 15\_17\_34\_999 MP4

- 1
- 2
- 3
- 4

1. A - Automatic Recording / M – Manual Recording
2. Camera Name
3. Date Time Stamp
4. File Extension

8 of 8

Current file of total files

### Video Progress Bar

**Previous** **Next**







Go to Previous Video Go to Next Video

**Play / Stop Video** **Back**



Play / Stop Video Go Back to Files

# OverWatch™ Plugin for ATAK: Files - Snapshots



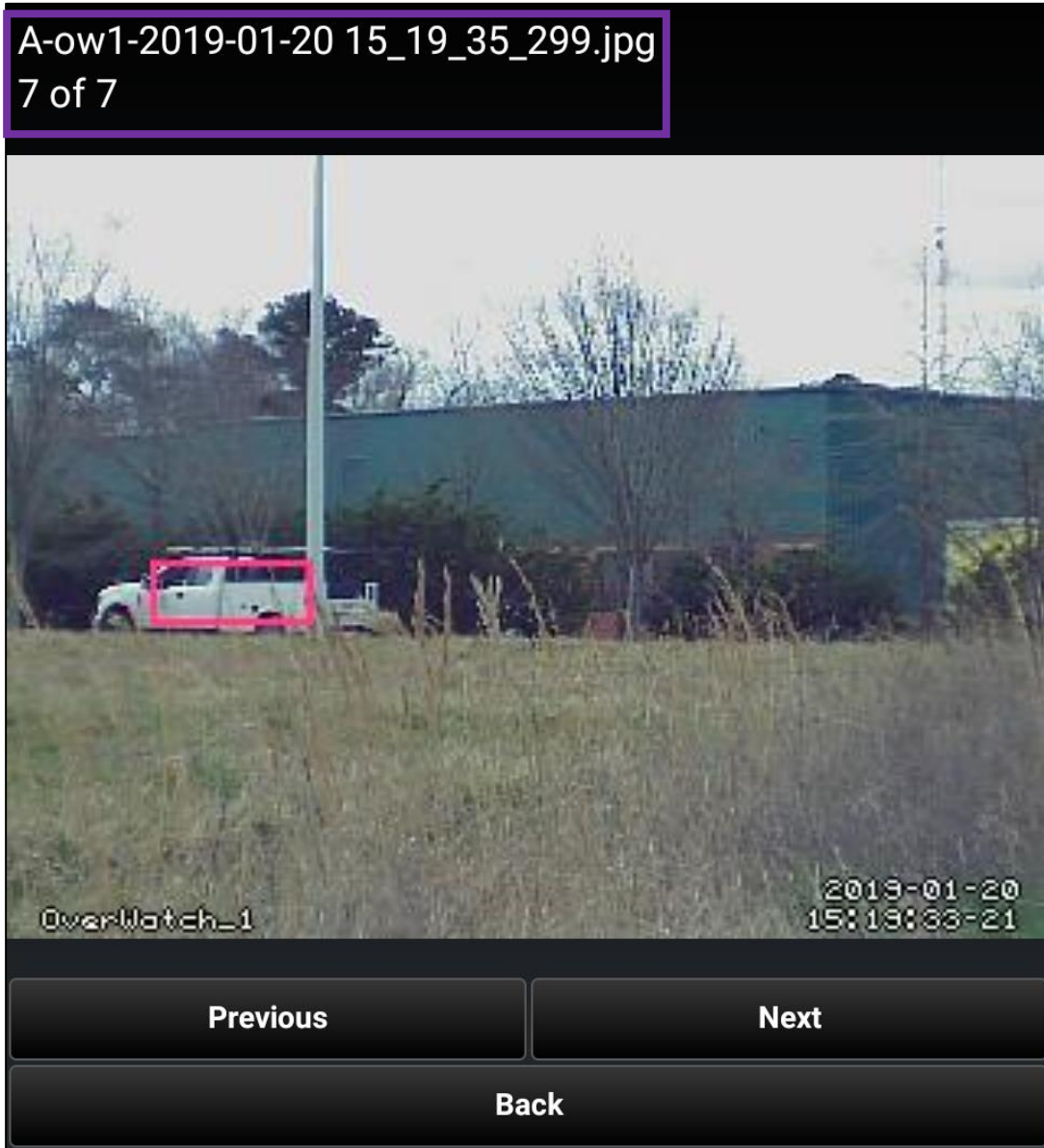
Recordings	Snap Shots		
 A-ow1-2019-01-20 15_20_29_431.jpg	15.3 KB		
 M-ow1-2019-01-20 15_20_40_598.jpg	16.7 KB		
 M-ow1-2019-01-20 15_20_43_562.jpg	15.9 KB		
 M-ow1-2019-01-20 15_20_34_325.jpg	15.5 KB		
 M-ow1-2019-01-20 15_12_41_254.jpg	17.6 KB		
			
<b>Delete</b>	<b>Rename</b>	<b>Send</b>	<b>View</b>
<b>Back</b>			

Selected Media

Recordings	Snap Shots
Selected File	
	M-ow1-2019-01-20 15_20_43_562.jpg
	M-ow1-2019-01-20 15_20_34_325.jpg

<b>Delete</b>	<b>Rename</b>
Delete Selected Video	Rename Selected Video
<b>Play</b>	<b>Back</b>
Play Selected Video	Go Back to Files

# OverWatch™ Plugin for ATAK: Files – Snapshots (Cont...)



Video Recording File Syntax

A ow1 2019-01-20 15\_19\_35\_299 JPG

- 1
- 2
- 3
- 4

1. A - Automatic Snapshot / M – Manual Snapshot
2. Camera Name
3. Date Time Stamp
4. File Extension

7 of 7

Current file of total files

Previous Next

Go to Previous Snapshot Go to Next Snapshot

Back

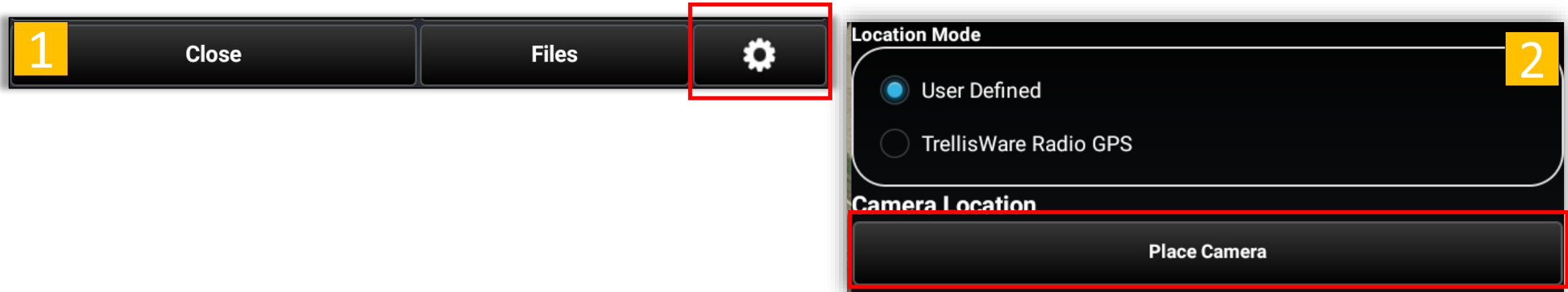
Go Back to Files





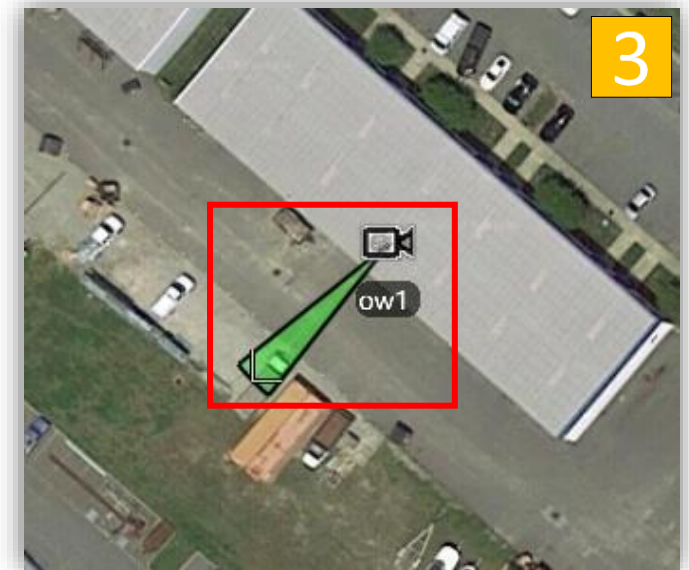
# OverWatch™ Plugin for ATAK: Place Camera

# OverWatch™ Plugin for ATAK: Place Camera

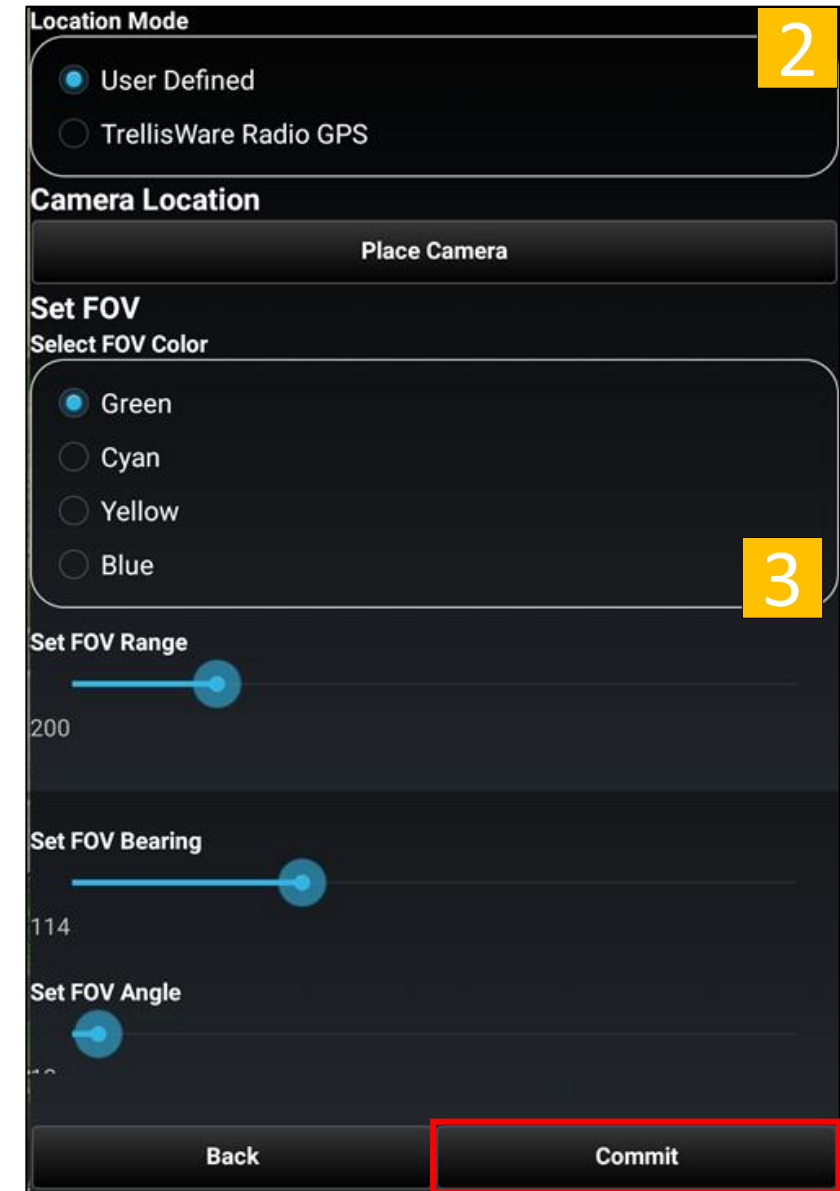
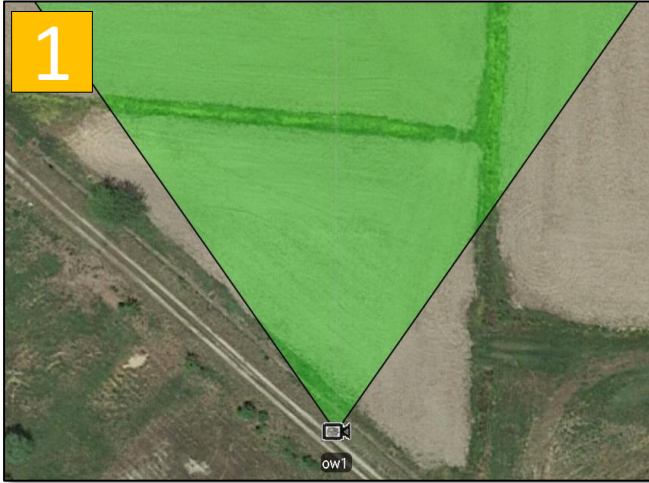


1. **Tap** the Toggle Camera/FOV Button. (Gear Icon)
2. **Tap** Place Camera.
3. **Tap** the location of Camera on the Map.

A Field of View (FOV) cone will automatically be placed at the camera location. Instructions on how to modify The FOV cone can be found on page ( ).

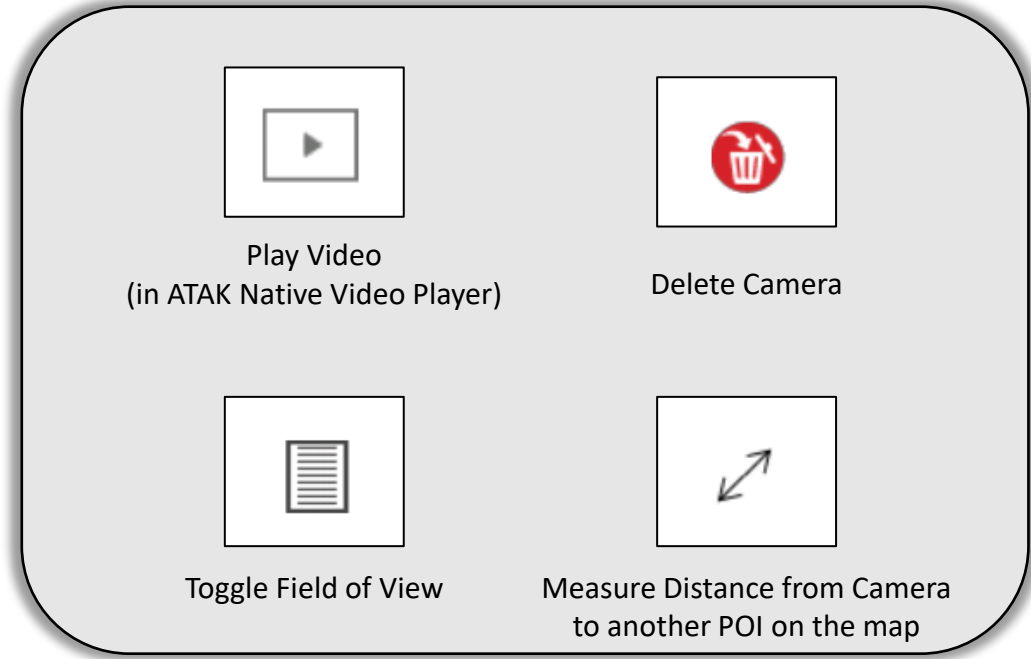
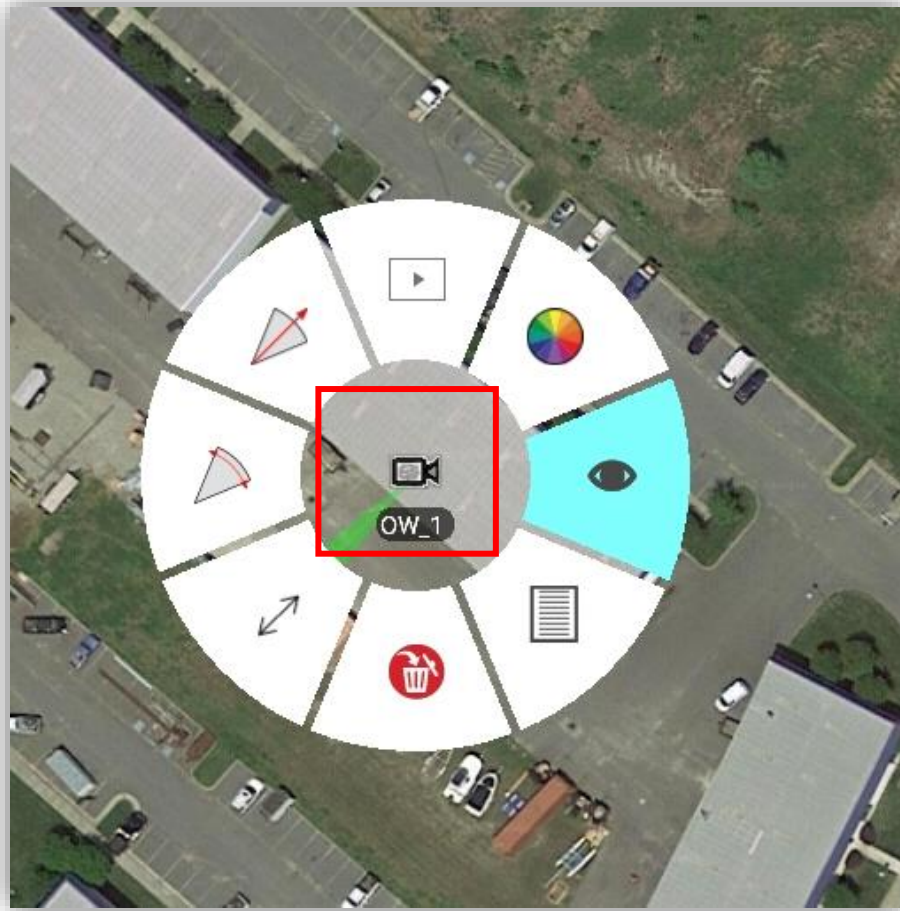


# OverWatch™ Plugin for ATAK: Place Camera cont.



1. After placing your camera location several settings will appear.
2. Adjust the Field of View parameters as needed.
  - Sensor Range, Bearing, and Field of View Angle can be set manually or with the slider bar.
  - The color of the Normal Status / No motion color can be changed as well as the FOV opacity.
  - After you are satisfied with your placement/settings **Tap** the Commit button.

# OverWatch™ Plugin for ATAK: Camera Options



**Tap** the Camera Icon on the map to open the Camera Options Radial Menu

\*Currently managed by the board and not ATAK





# OverWatch™ Plugin for ATAK: Preferences

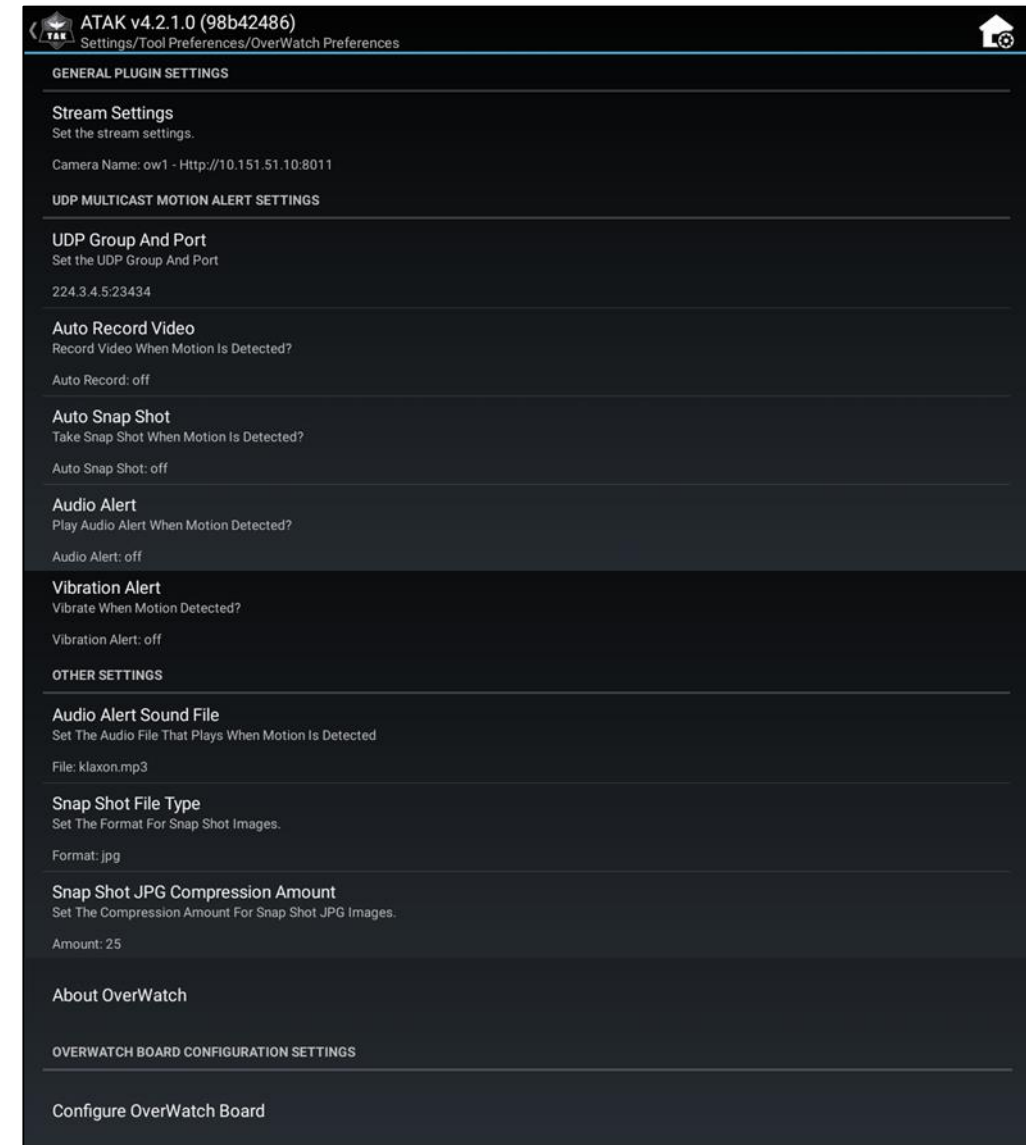
# OverWatch™ Plugin for ATAK: Preferences Overview



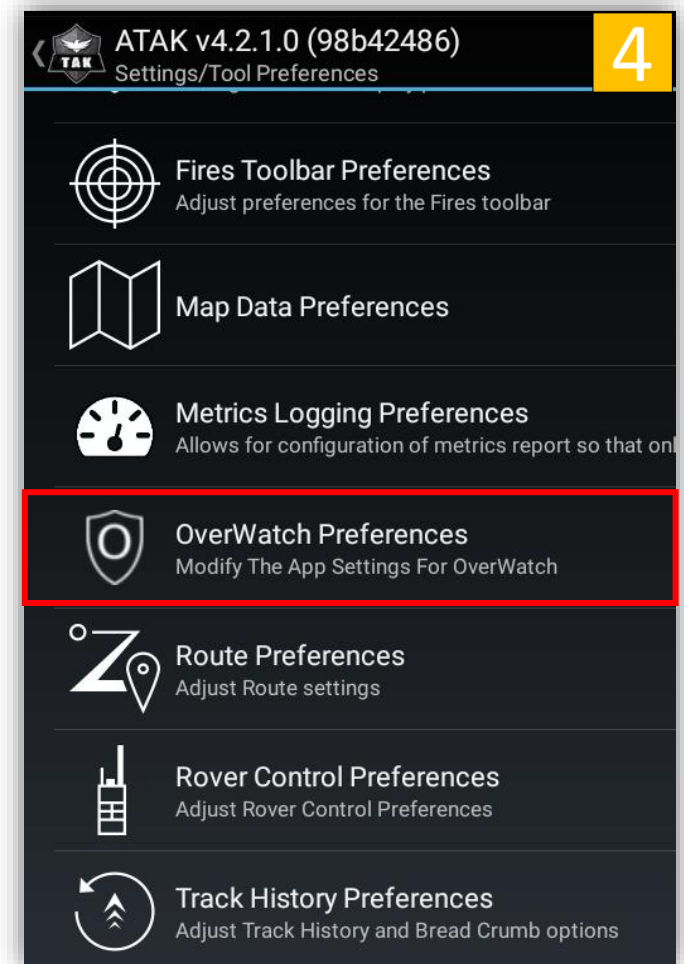
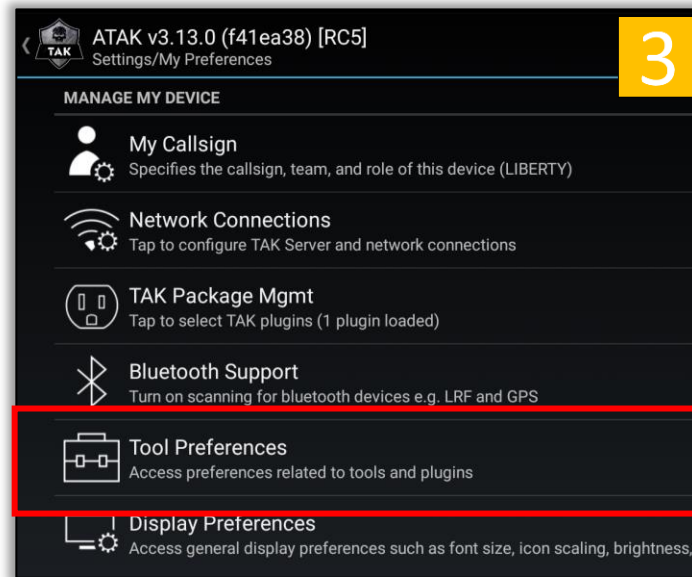
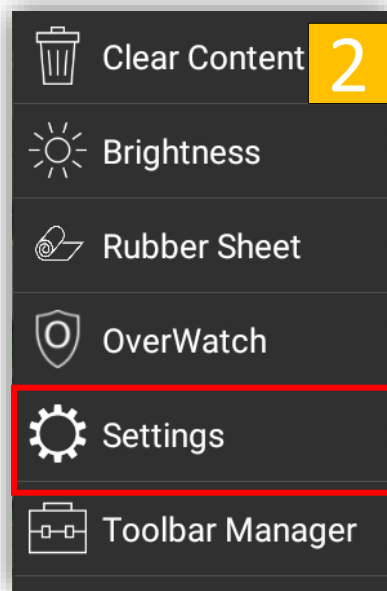
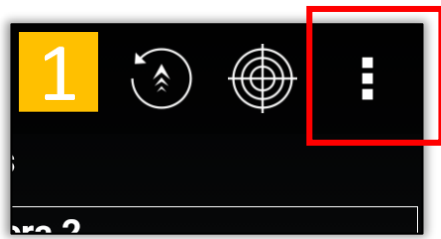
The OverWatch™ Preferences allows the user to:

- Modify Camera Names
- Change IP Addresses and Ports
- Toggle Motion Alert Settings
- Modify Snapshot Settings
- Adjust the Orientation of the OverWatch™ App
- Configure the Settings on the OverWatch™ board (ADVANCED)\*

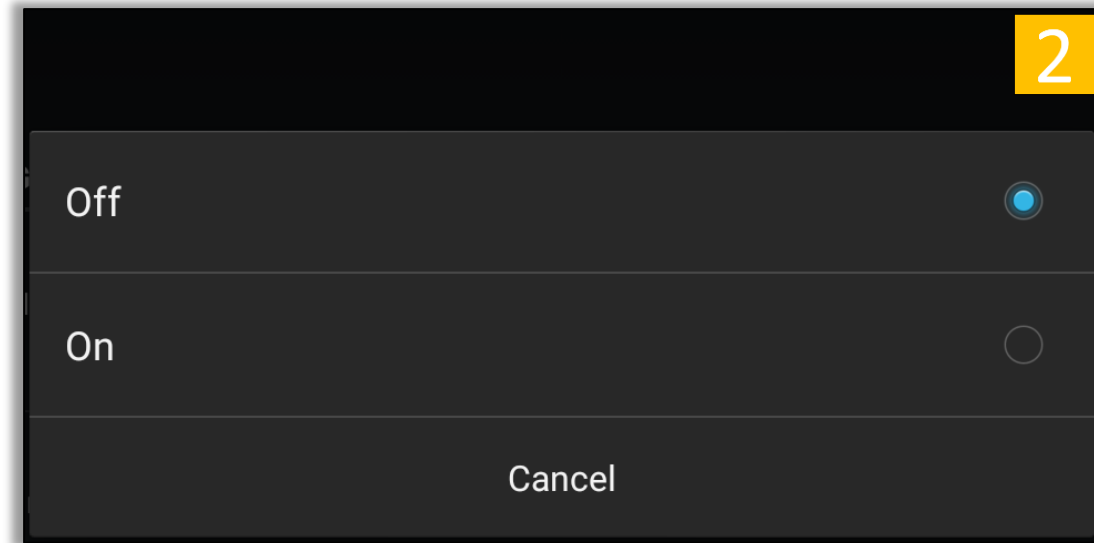
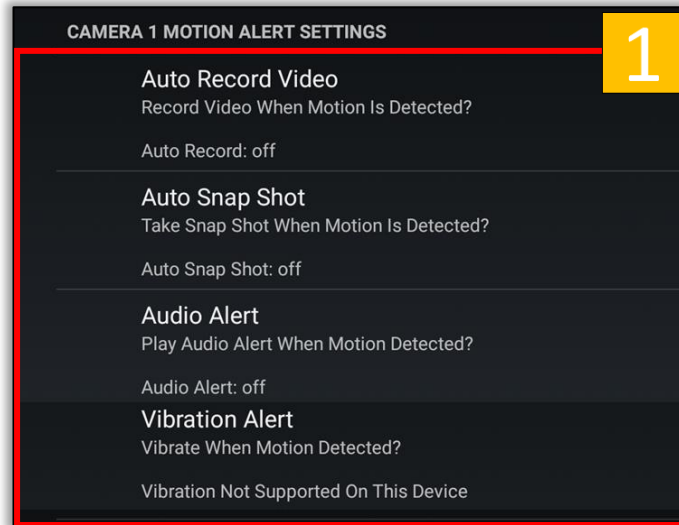
\*This should be done with extreme caution!



# OverWatch™ Plugin for ATAK: Access Preferences



1. **Tap** the Triple Dots button.
2. **Tap** Settings.
3. **Tap** Tool Preferences.
4. **Tap** OverWatch™ Preferences.

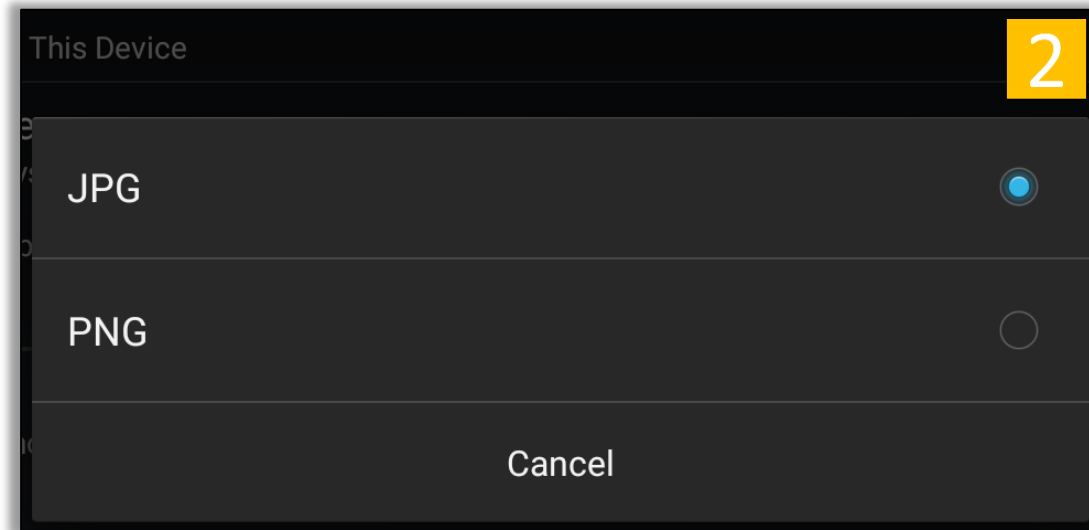
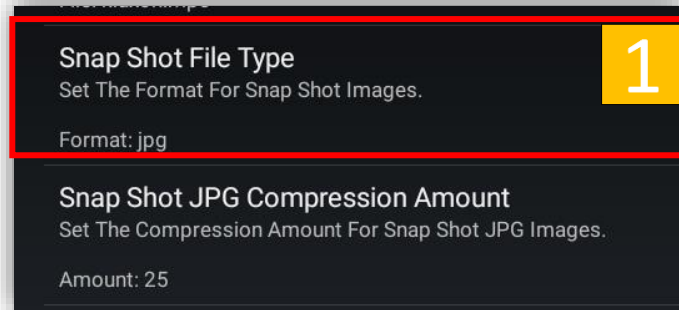


1. Locate the highlighted Motion Alert Settings.
2. **Toggle** the highlighted Camera Motion Alert Settings from Off to On as desired (Auto Record Video, Auto Snap Shot, Audio Alert, Vibration Alert). Continue to make changes to the preferences or **tap back** on the EUD three (3) times to return to the main ATAK screen.

The OverWatch™ App provides visual, haptic, and audio alerts to users when the system detects motion.

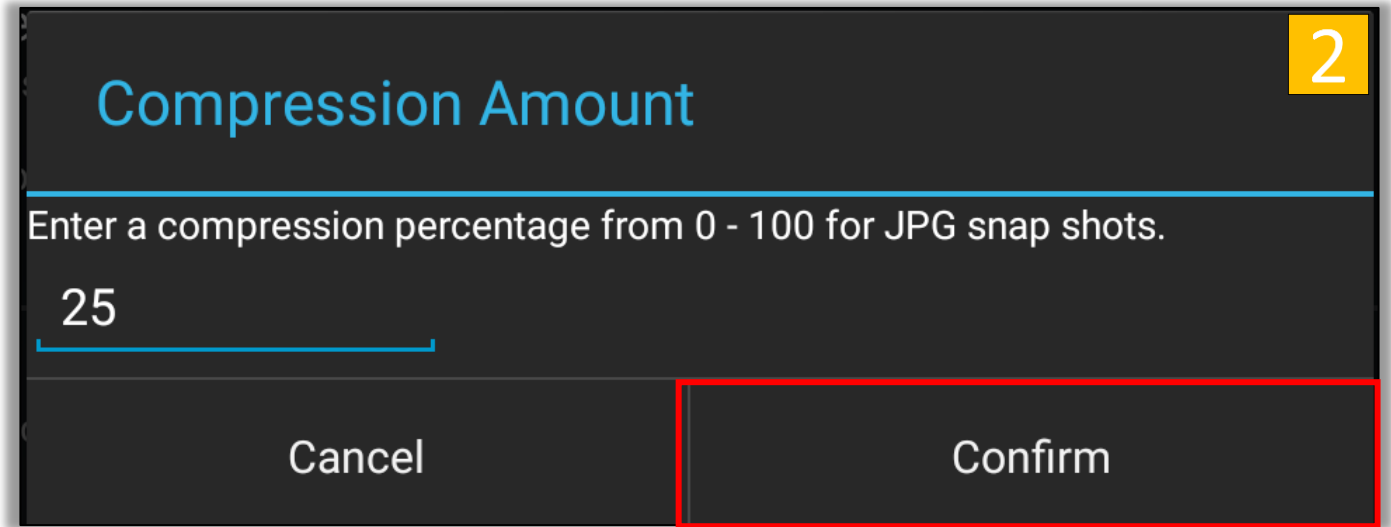
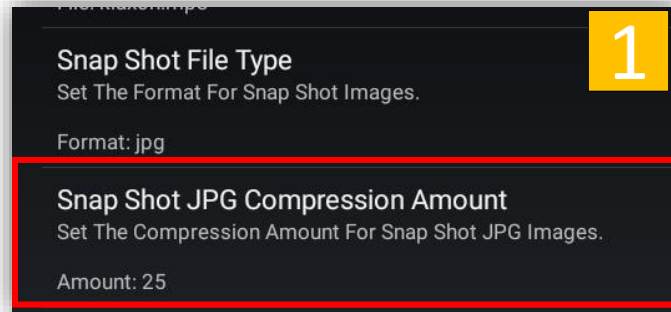


# OverWatch™ Plugin for ATAK: Preferences – Snap Shot File Type



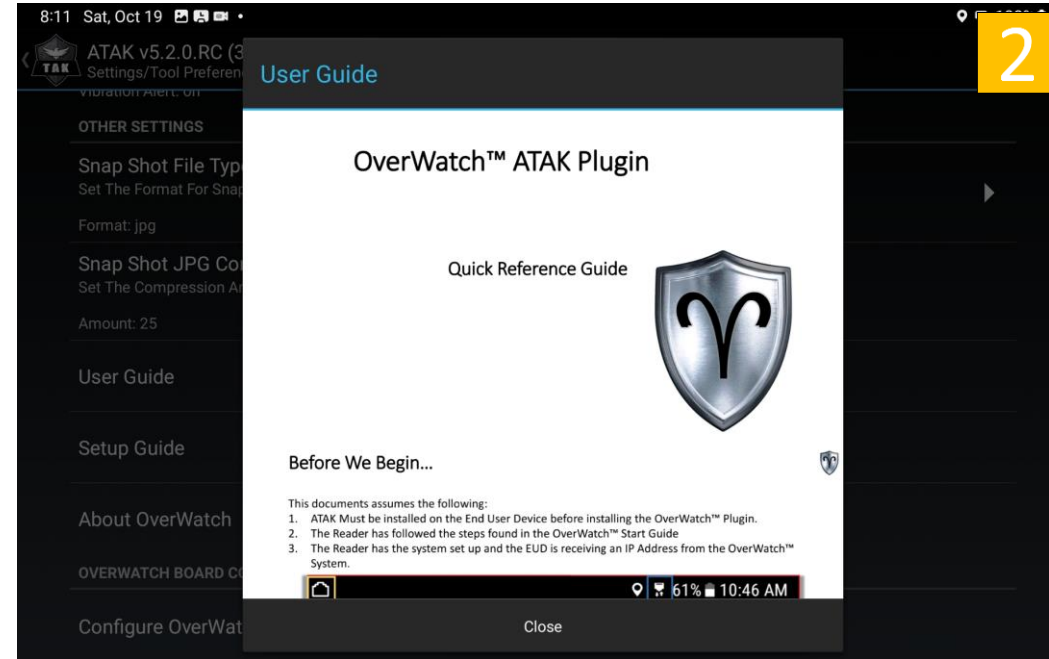
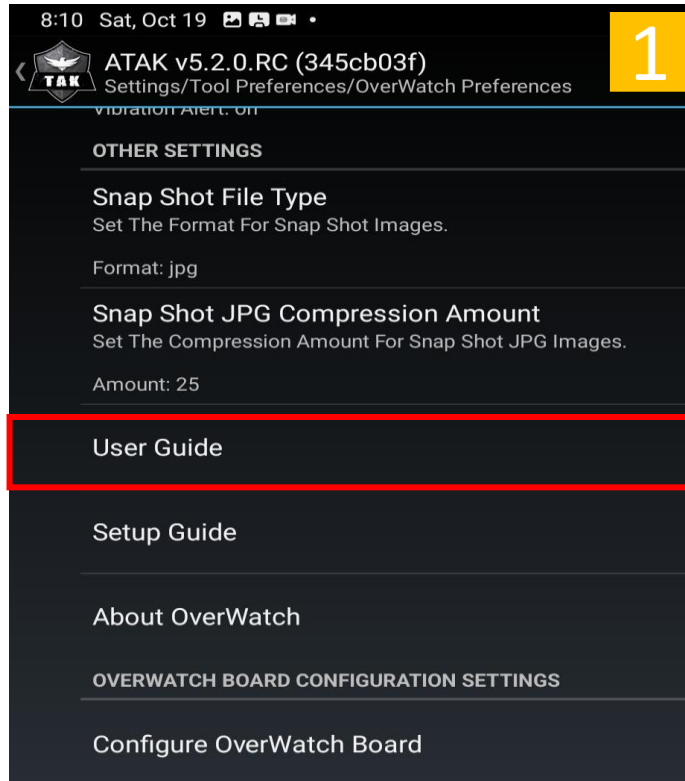
1. Locate and **tap** Snap Shot File Type under Other Settings.
2. **Tap** JPG or PNG to change the snapshot file type. The default value is JPG. Continue to make changes to the preferences or **tap** back on the EUD three (3) times to return to the main ATAK screen.

# OverWatch™ Plugin for ATAK: Preferences – JPG Compression



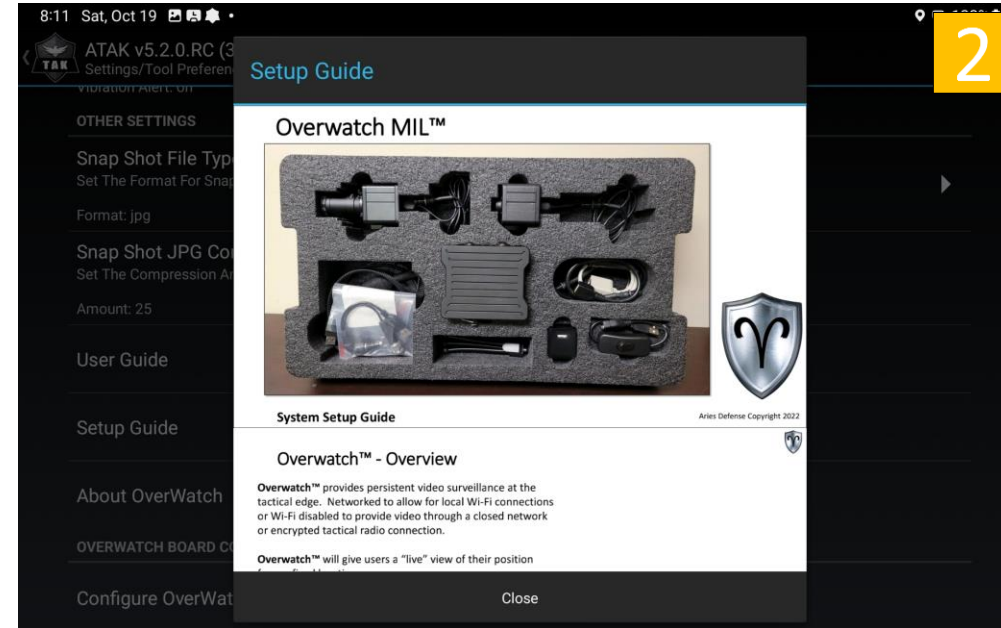
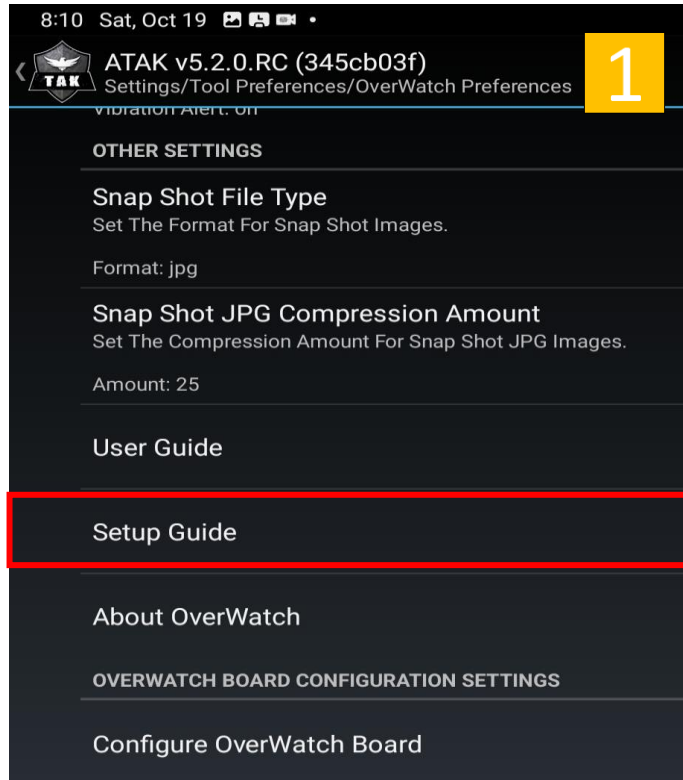
1. Locate and **tap** Snap Shot JPG Compression Amount Type under Other Settings.
2. Enter the new compression value. The default value is 25%. Continue to make changes to the preferences or **tap** back on the EUD three (3) times to return to the main ATAK screen.

# OverWatch™ Plugin for ATAK: Preferences— User Guide



1. **Tap Guide** to view the User Guide.
2. **Tap Close** to exit the User Guide window. **Tap back** on the EUD three (3) times to return to the main ATAK screen.

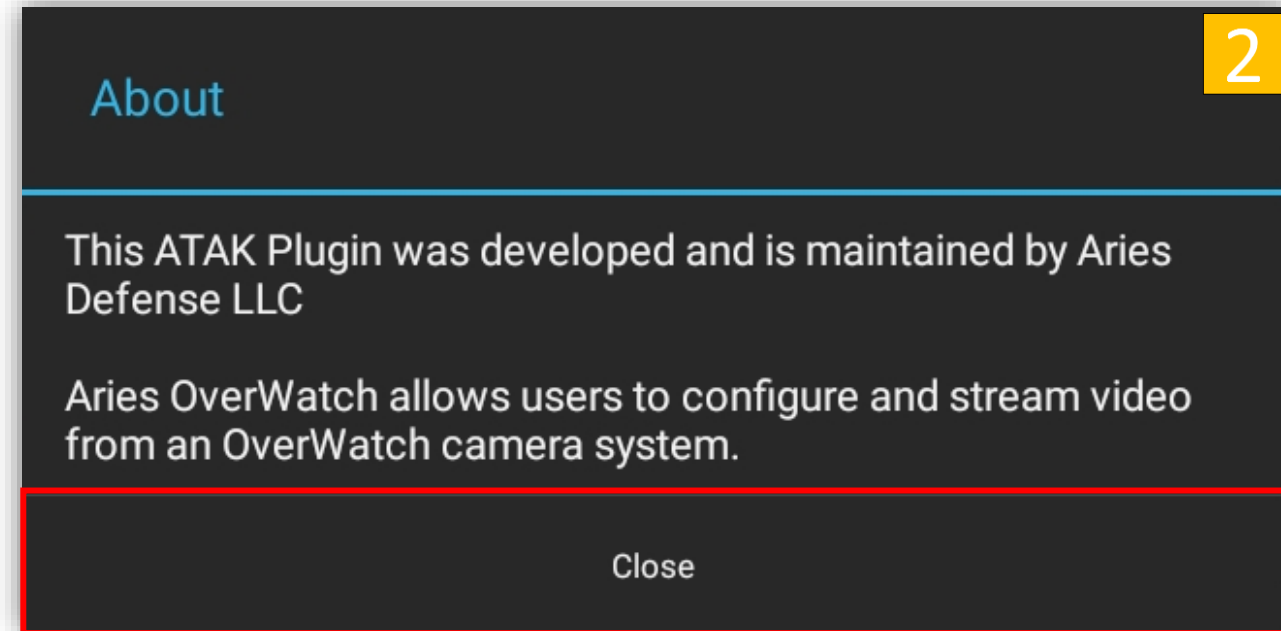
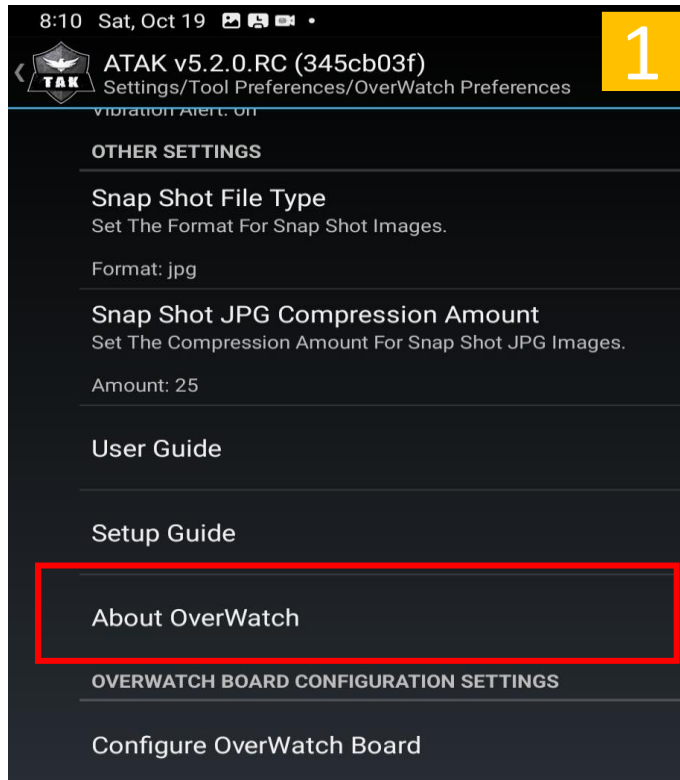
# OverWatch™ Plugin for ATAK: Preferences– Setup Guide



1. **Tap Guide** to view the Setup Guide.
2. **Tap Close** to exit the Setup Guide window. **Tap back** on the EUD three (3) times to return to the main ATAK screen.

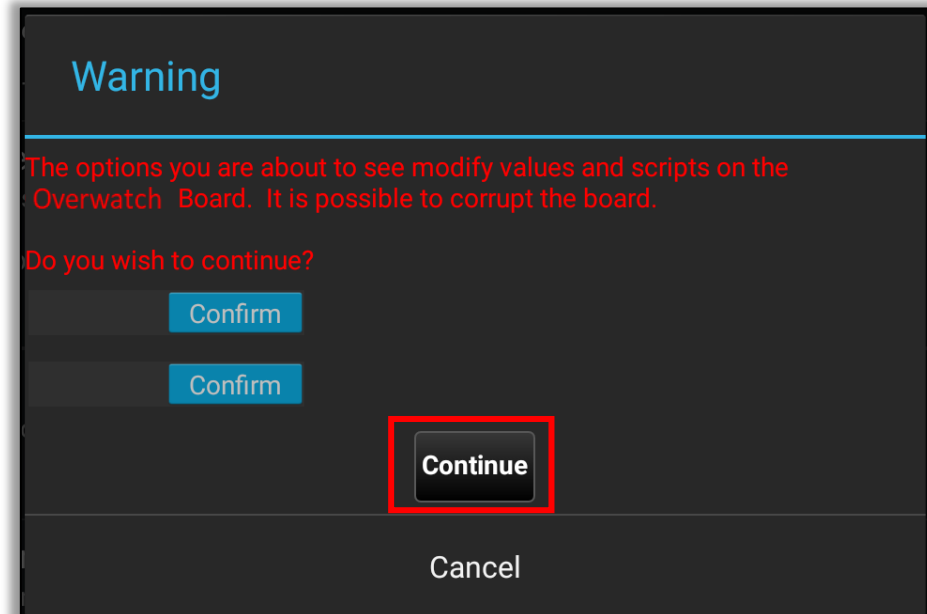
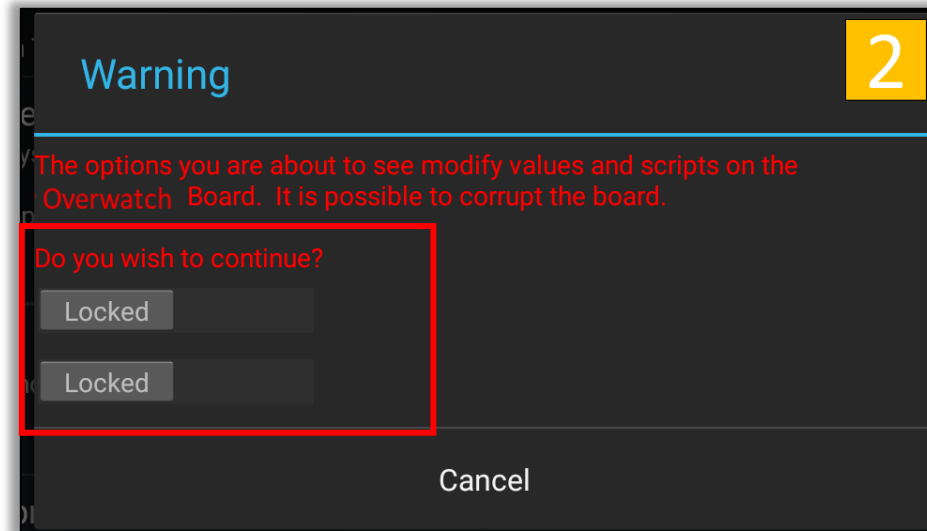
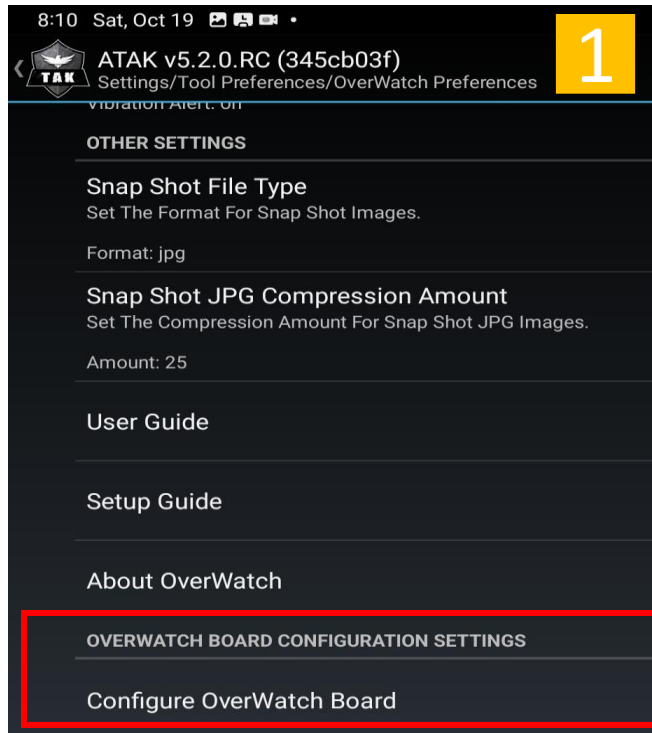


# OverWatch™ Plugin for ATAK: Preferences – About OverWatch™



1. Locate and **tap** About OverWatch™ Type under Other Settings.
2. **Tap** Close to exit the About window. Continue to make changes to the preferences or **tap** back on the EUD three (3) times to return to the main ATAK screen.

# OverWatch™ Plugin for ATAK: Settings – Board Configuration



1. Locate and **tap** Configure OverWatch™ Board under OverWatch™ Board Configuration Settings
2. Read the warning message then **Tap** both Locked Buttons to set them to Confirm then tap Continue enter the Configuration Menu.  
\*WARNING\* Entering in invalid settings could potentially render the system inoperable.



# OverWatch™ Board Configuration

# OverWatch™ Board Configuration - Overview



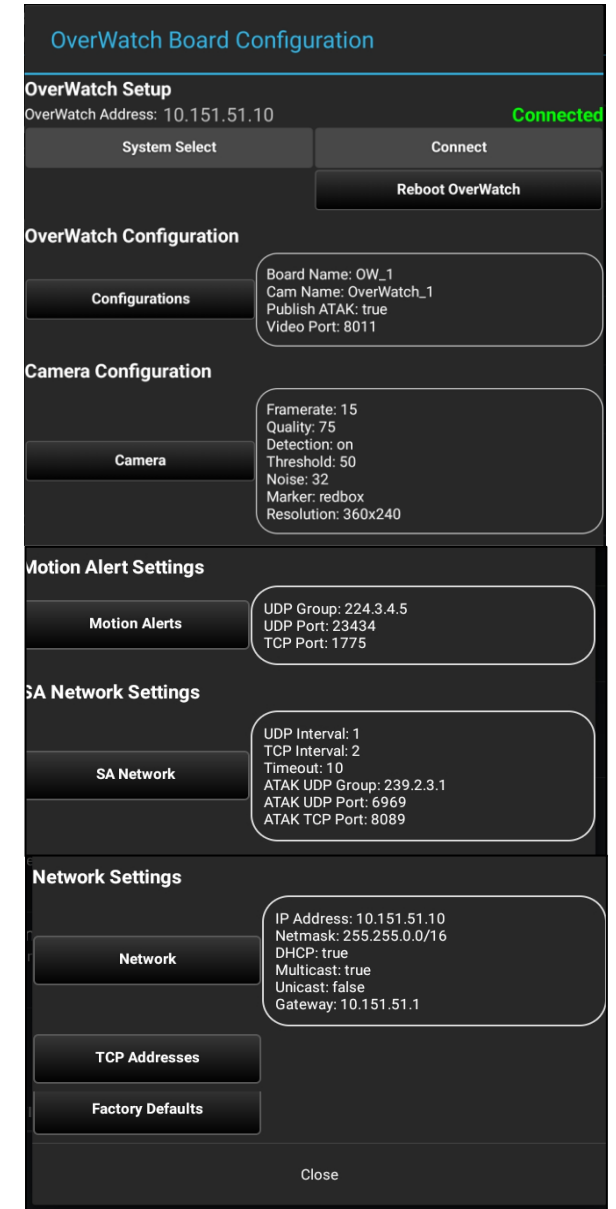
Please see “OverWatch™ Settings – Board Configuration” on Page 30 and follow the steps to access the Board Configuration Menu. Configuring the preferences options in this section assumes the user has done this step.

The OverWatch™ Board Configuration allows the user to:

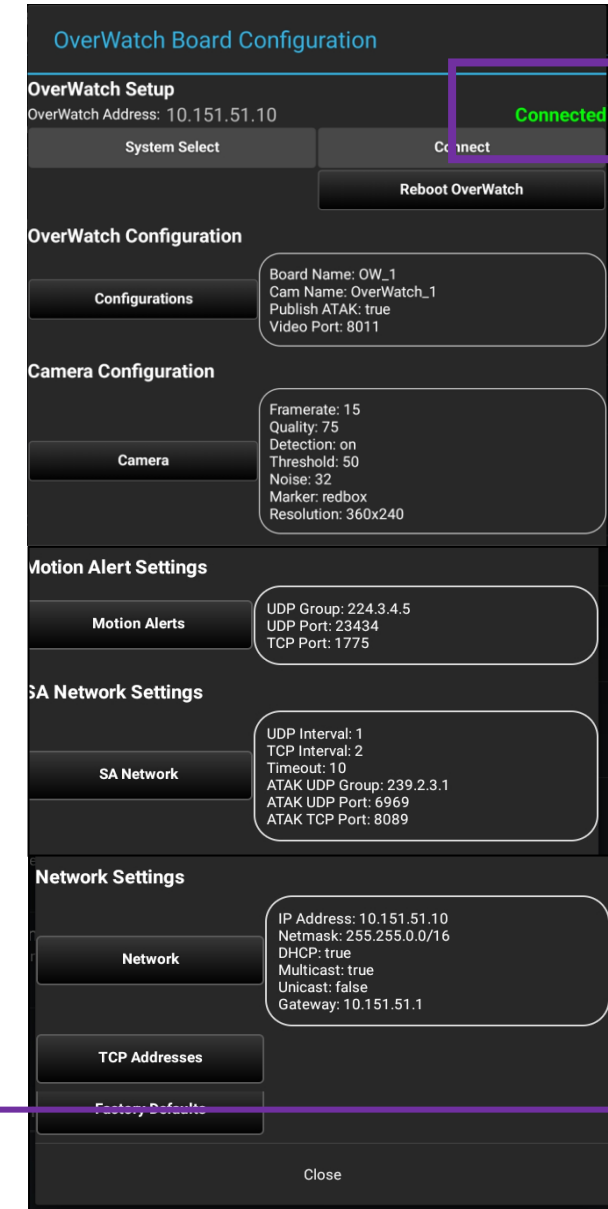
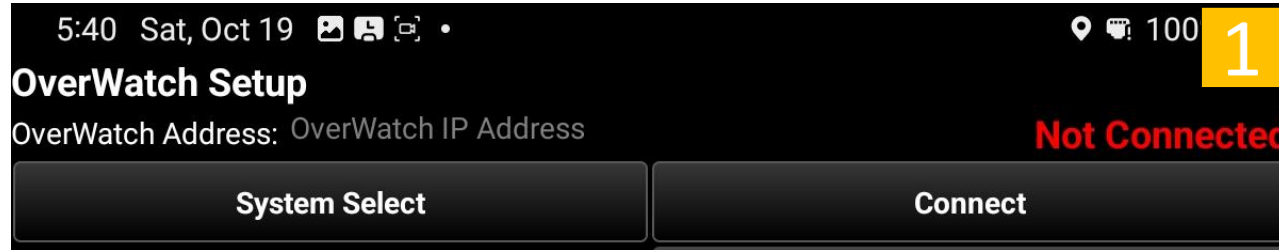
- Set Camera Label
- Adjust Camera Framerate
- Toggle Motion Detection, Threshold, and Noise Level
- Change Motion Marker
- Modify IP Addresses and Ports

**\*\*IMPORTANT\*\*** After the configurations have been altered the board must be rebooted. This can be done by **tapping** the **Reboot OverWatch™ Button**. Close the OverWatch™ App and relaunch once the EUD receives a DHCP IP Address from the OverWatch™ Board.

**Proceed with caution**



# OverWatch™ Board Configuration – Connect to Board



1. Enter the IP Address of the board. The Default IP Address is 10.151.51.10.

2. **Tap Connect.**

### Connection Status:

- Not Connected** – The OverWatch™ App is not logged into the Board
- Connecting...** – The OverWatch™ App is trying to establish a logon session
- Connected** – The OverWatch™ App is currently logged into the board.

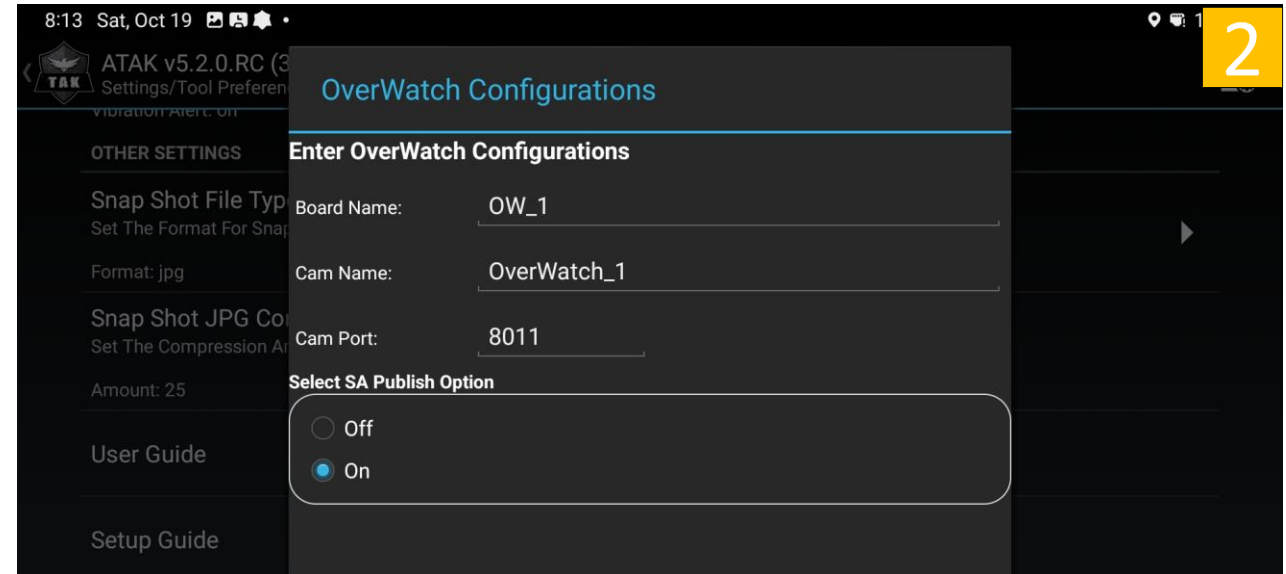
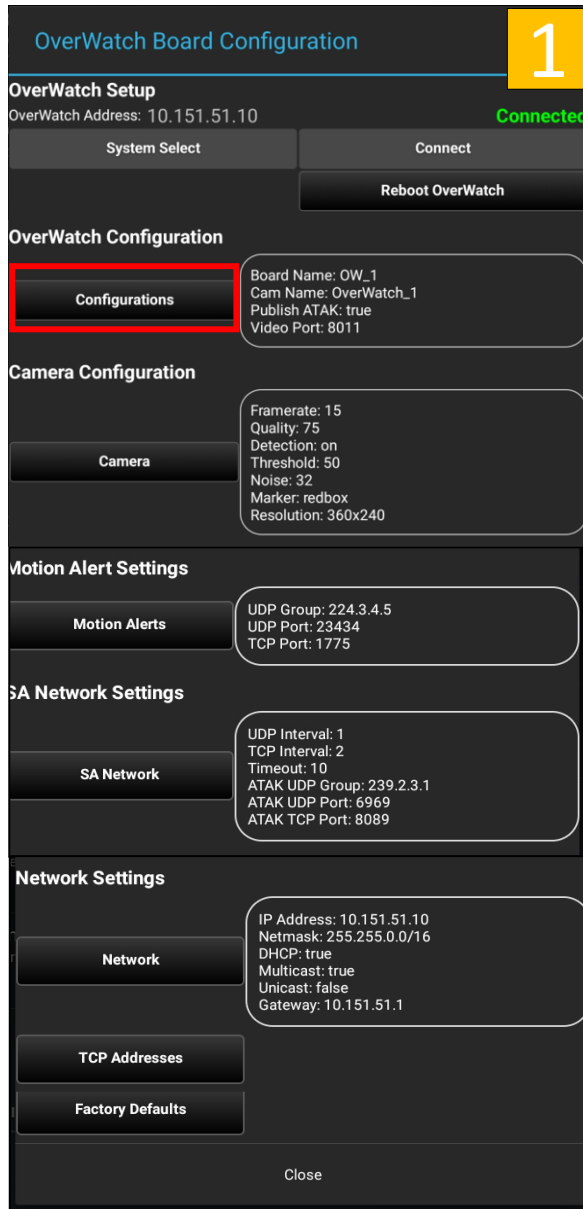




# OverWatch™ Board Configuration

## OverWatch™ Configuration Settings

# OverWatch™ Board Configuration – Camera Labels



1. Locate and **tap** Camera Label under Configuration Settings.
2. Enter the new Camera Label then **tap** Confirm.

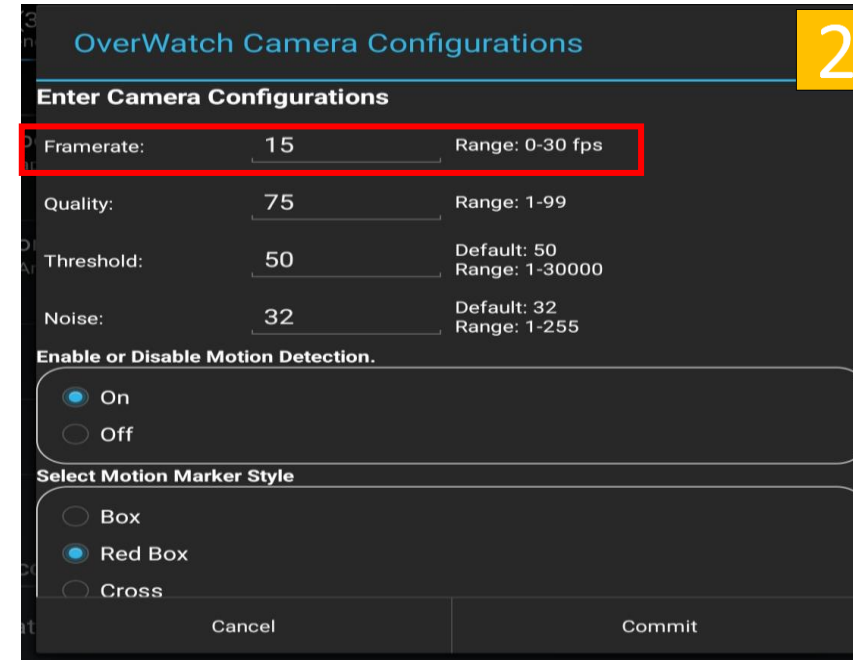
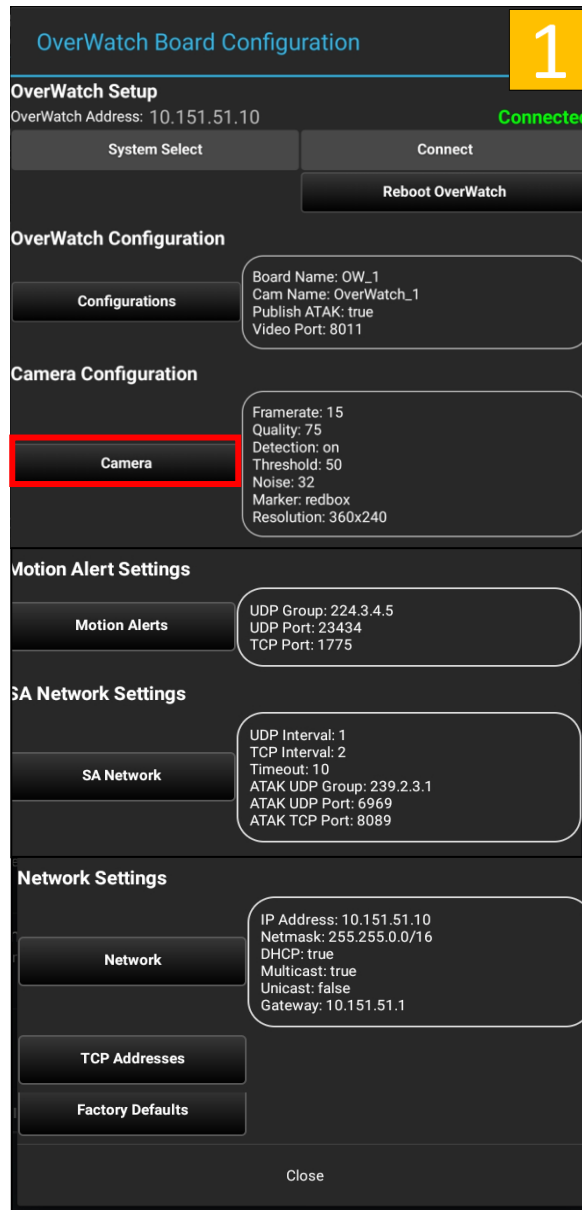
You may continue to make changes to the board. When finished **Tap** the Reboot OverWatch button.



# OverWatch™ Board Configuration

## OverWatch™ Camera Settings

# OverWatch™ Board Configuration – Frame Rate



1. Locate and **tap** Framerate under Camera Configuration Settings.
2. Enter the new Video Framerate then **tap** Confirm. If you are sending video over a tactical radio use lower values (5-15) for the framerate.

You may continue to make changes to the board. When finished **Tap** the Reboot OverWatch button.

# OverWatch™ Board Configuration – Video Quality



OverWatch Board Configuration

1

OverWatch Setup  
OverWatch Address: 10.151.51.10 Connected

System Select Connect

Reboot OverWatch

OverWatch Configuration

Configurations  
Board Name: OW\_1  
Cam Name: OverWatch\_1  
Publish ATA: true  
Video Port: 8011

Camera Configuration

Camera  
Framerate: 15  
Quality: 75  
Detection: on  
Threshold: 50  
Noise: 32  
Marker: redbox  
Resolution: 360x240

Motion Alert Settings

Motion Alerts  
UDP Group: 224.3.4.5  
UDP Port: 23434  
TCP Port: 1775

SA Network Settings

SA Network  
UDP Interval: 1  
TCP Interval: 2  
Timeout: 10  
ATA UDP Group: 239.2.3.1  
ATA UDP Port: 6969  
ATA TCP Port: 8089

Network Settings

Network  
IP Address: 10.151.51.10  
Netmask: 255.255.0.0/16  
DHCP: true  
Multicast: true  
Unicast: false  
Gateway: 10.151.51.1

TCP Addresses

Factory Defaults

Close

Enter Camera Configurations

2

Framerate: 30 Range: 0-30 fps

Quality: 75 Range: 1-99

Threshold: 5 Default: 50 Range: 1-30000

Noise: 32 Default: 32 Range: 1-255

1. Locate and **tap** Quality under Camera Configuration Settings.
2. Enter the new Video Quality then **tap** Confirm. If you are sending video over a tactical radio use lower values for the quality.

You may continue to make changes to the board. When finished **Tap** the Reboot OverWatch button.



# OverWatch™ Board Configuration – Motion Detection



OverWatch Board Configuration

OverWatch Setup  
OverWatch Address: 10.151.51.10 Connected  
Connect Reboot OverWatch

OverWatch Configuration  
Configurations Board Name: OW\_1  
Cam Name: OverWatch\_1  
Publish ATAK: true  
Video Port: 8011

Camera Configuration  
Camera Framerate: 30  
Quality: 75  
Detection: on  
Threshold: 5  
Noise: 32  
Marker: redbox

Motion Alert Settings  
Motion Alerts UDP Group: 224.3.4.5  
UDP Port: 23434  
TCP Port: 1775

SA Network Settings  
SA Network UDP Interval: 1  
TCP Interval: 2  
Timeout: 10  
ATAK UDP Group: 239.2.3.1  
ATAK UDP Port: 6969  
ATAK TCP Port: 8089

Network Settings  
Network IP Address: 10.151.51.10  
Netmask: 255.255.0.0/16  
DHCP: true  
Multicast: true  
Unicast: false  
Gateway: 10.151.51.1

TCP Addresses

Factory Defaults

Close

Enable or Disable Motion Detection.

On

Off

1. Locate and ***tap*** Detection under Camera Configuration Settings.
2. Select On (to enable) or Off (disable) Motion Detection. ***Tap*** confirm.

You may continue to make changes to the board. When finished ***Tap*** the Reboot OverWatch button.

# OverWatch™ Board Configuration – Threshold



OverWatch Board Configuration **1**

OverWatch Setup  
OverWatch Address: 10.151.51.10 Connected  
Connect Reboot OverWatch

OverWatch Configuration  
Configurations Board Name: OW\_1  
Cam Name: OverWatch\_1  
Publish ATAK: true  
Video Port: 8011

Camera Configuration  
Camera Framerate: 30  
Quality: 75  
Detection: on  
Threshold: 5  
Noise: 32  
Marker: redbox

Motion Alert Settings  
Motion Alerts UDP Group: 224.3.4.5  
UDP Port: 23434  
TCP Port: 1775

SA Network Settings  
SA Network UDP Interval: 1  
TCP Interval: 2  
Timeout: 10  
ATAK UDP Group: 239.2.3.1  
ATAK UDP Port: 6969  
ATAK TCP Port: 8089

Network Settings  
Network IP Address: 10.151.51.10  
Netmask: 255.255.0.0/16  
DHCP: true  
Multicast: true  
Unicast: false  
Gateway: 10.151.51.1

TCP Addresses  
Factory Defaults

Close

Enter Camera Configurations **2**

Framerate: 30 Range: 0-30 fps

Quality: 75 Range: 1-99

Threshold: 5 Default: 50  
Range: 1-30000

Noise: 32 Default: 32  
Range: 1-255

1. Locate and **tap** Threshold under Camera Configuration Settings.
2. Enter the new Threshold then **tap** Confirm. NOTE: If you are trying to track small objects enter a lower value.

You may continue to make changes to the board. When finished **Tap** the Reboot OverWatch button.

# OverWatch™ Board Configuration – Noise Level



OverWatch Board Configuration **1**

OverWatch Setup  
OverWatch Address: 10.151.51.10 Connected  
Connect Reboot OverWatch

OverWatch Configuration  
Configurations Board Name: OW\_1  
Cam Name: OverWatch\_1  
Publish ATAK: true  
Video Port: 8011

Camera Configuration  
Camera Framerate: 30  
Quality: 75  
Detection: on  
Threshold: 5  
Noise: 32  
Marker: redbox

Motion Alert Settings  
Motion Alerts UDP Group: 224.3.4.5  
UDP Port: 23434  
TCP Port: 1775

SA Network Settings  
SA Network UDP Interval: 1  
TCP Interval: 2  
Timeout: 10  
ATAK UDP Group: 239.2.3.1  
ATAK UDP Port: 6969  
ATAK TCP Port: 8089

Network Settings  
Network IP Address: 10.151.51.10  
Netmask: 255.255.0.0/16  
DHCP: true  
Multicast: true  
Unicast: false  
Gateway: 10.151.51.1

TCP Addresses

Factory Defaults

Close

Enter Camera Configurations **2**

Framerate: 30 Range: 0-30 fps

Quality: 75 Range: 1-99

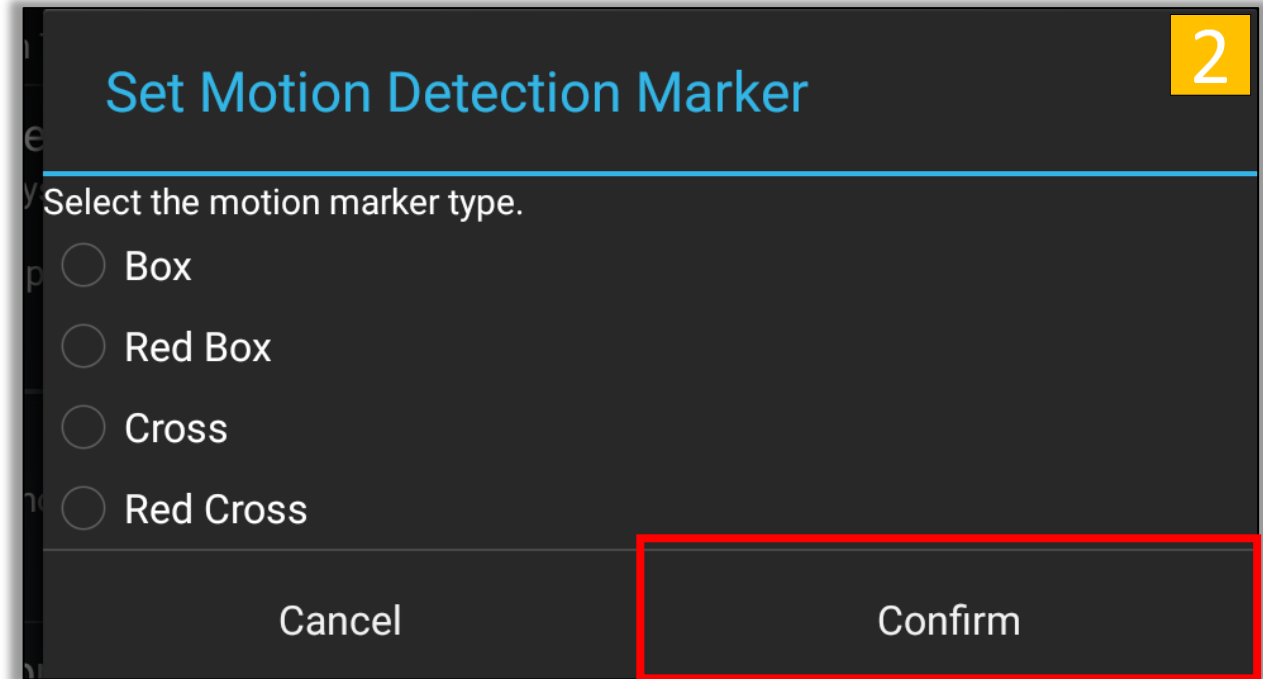
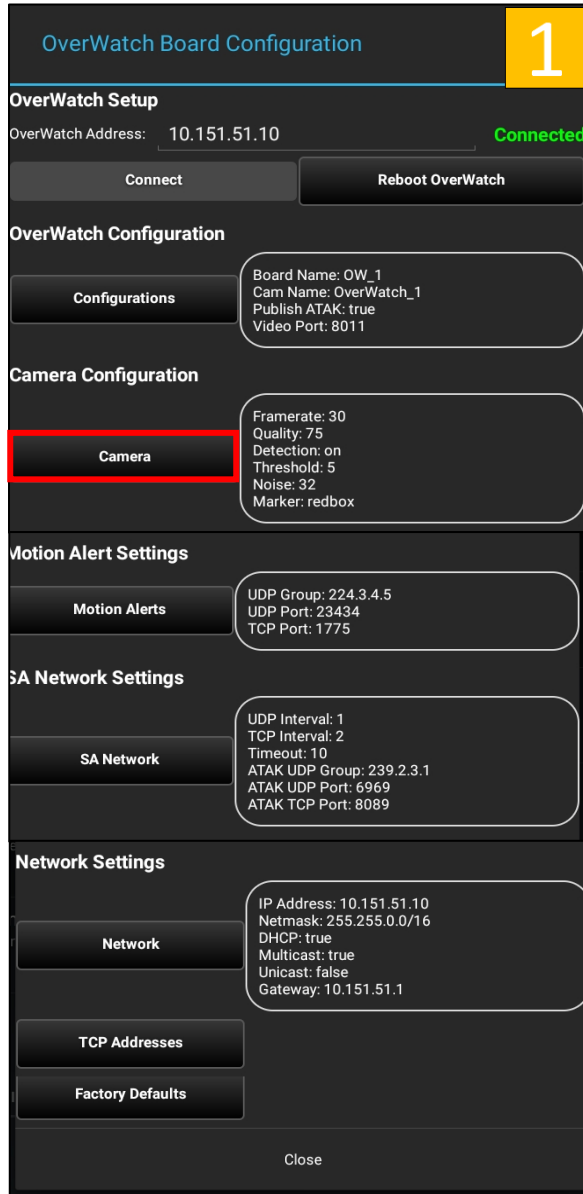
Threshold: 5 Default: 50  
Range: 1-30000

Noise: 32 Default: 32  
Range: 1-255

1. Locate and **tap** Noise Level under Camera Configuration Settings.
2. Enter the new Noise Level then **tap** Confirm. NOTE: If you are trying to ignore small amounts of motion increase this value.

You may continue to make changes to the board. When finished **Tap** the Reboot OverWatch button.

# OverWatch™ Board Configuration – Motion Detection Marker



1. Locate and **tap** Marker under Camera Configuration Settings.
2. Select the new marker (Box, Red Box, Cross, Red Cross) then **tap** Confirm.

You may continue to make changes to the board. When finished **Tap** the Reboot OverWatch button.



# OverWatch™ Board Configuration

## OverWatch™ Motion Settings



# OverWatch™ Board Configuration – Motion Alerts\*\*



OverWatch Board Configuration

OverWatch Setup  
OverWatch Address: 10.151.51.10 Connected

Connect Reboot OverWatch

OverWatch Configuration

Configurations  
Board Name: OW\_1  
Cam Name: OverWatch\_1  
Publish ATAk: true  
Video Port: 8011

Camera Configuration

Camera  
Framerate: 30  
Quality: 75  
Detection: on  
Threshold: 5  
Noise: 32  
Marker: redbox

Motion Alert Settings

**Motion Alerts**  
UDP Group: 224.3.4.5  
UDP Port: 23434  
TCP Port: 1775

SA Network Settings

SA Network  
UDP Interval: 1  
TCP Interval: 2  
Timeout: 10  
ATAk UDP Group: 239.2.3.1  
ATAk UDP Port: 6969  
ATAk TCP Port: 8089

Network Settings

Network  
IP Address: 10.151.51.10  
Netmask: 255.255.0.0/16  
DHCP: true  
Multicast: true  
Unicast: false  
Gateway: 10.151.51.1

TCP Addresses

Factory Defaults

Close

Set Motion Alert Options

Select motion alerts type.

Off

UDP Multicast

IP Address Of Multicast Group To Receive Motion Alerts

224.3.4.5

Port

23434

Cancel Confirm

1. Locate and **tap** Motion Alerts under Motion Alert Settings.
2. Either turn off UDP Alerts or enter the new IP address port number then **tap** Confirm. \*\*Note: Most users DO NOT NEED to change these values!

You may continue to make changes to the board. When finished **Tap** the Reboot OverWatch button.



# OverWatch™ Board Configuration

## OverWatch™ SA Network Settings

# OverWatch™ Board Configuration – SA Network



OverWatch Board Configuration

OverWatch Setup  
OverWatch Address: 10.151.51.10 Connected

Connect Reboot OverWatch

OverWatch Configuration

Configurations  
Board Name: OW\_1  
Cam Name: OverWatch\_1  
Publish ATAk: true  
Video Port: 8011

Camera Configuration

Camera  
Framerate: 30  
Quality: 75  
Detection: on  
Threshold: 5  
Noise: 32  
Marker: redbox

Motion Alert Settings

Motion Alerts  
UDP Group: 224.3.4.5  
UDP Port: 23434  
TCP Port: 1775

SA Network Settings

SA Network  
UDP Interval: 1  
TCP Interval: 2  
Timeout: 10  
ATAk UDP Group: 239.2.3.1  
ATAk UDP Port: 6969  
ATAk TCP Port: 8089

Network Settings

Network  
IP Address: 10.151.51.10  
Netmask: 255.255.0.0/16  
DHCP: true  
Multicast: true  
Unicast: false  
Gateway: 10.151.51.1

TCP Addresses

Factory Defaults

Close

SA Network Settings

Enter SA Network Settings

UDP Interval: 1

TCP Interval: 2

Timeout: 10

UDP Group: 239.2.3.1

UDP Port: 6969

TCP Port: 8089

Cancel Commit

1. Locate and **tap** SA Network under SA Network Settings.
2. Either turn off UDP Alerts or enter the new IP address port number then **tap** Confirm. \*\*Note: Most users DO NOT NEED to change these values!

You may continue to make changes to the board. When finished **Tap** the Reboot OverWatch button.



# OverWatch™ Board Configuration

## OverWatch™ Network Settings

# OverWatch™ Board Configuration – Network Settings



OverWatch Board Configuration

OverWatch Setup  
OverWatch Address: 10.151.51.10 Connected

Connect Reboot OverWatch

OverWatch Configuration

Configurations  
Board Name: OW\_1  
Cam Name: OverWatch\_1  
Publish ATA: true  
Video Port: 8011

Camera Configuration

Camera  
Framerate: 30  
Quality: 75  
Detection: on  
Threshold: 5  
Noise: 32  
Marker: redbox

Motion Alert Settings

Motion Alerts  
UDP Group: 224.3.4.5  
UDP Port: 23434  
TCP Port: 1775

SA Network Settings

SA Network  
UDP Interval: 1  
TCP Interval: 2  
Timeout: 10  
ATAK UDP Group: 239.2.3.1  
ATAK UDP Port: 6969  
ATAK TCP Port: 8089

Network Settings

Network  
IP Address: 10.151.51.10  
Netmask: 255.255.0.0/16  
DHCP: true  
Multicast: true  
Unicast: false  
Gateway: 10.151.51.1

TCP Addresses

Factory Defaults

Close

Network Settings

Enter Network Mode Settings

IP Address: 10.151.51.10

Netmask: 16 Default: 8  
Range: 8-24

Authoritative DHCP

On  
 Off

Network Protocol

Off  
 Multicast  
 Unicast  
 Both

Cancel Commit

1. Locate and **tap** Network under OverWatch™ Network Settings.
2. Enter the new IP address for the OverWatch™ board then **tap** Confirm. \*\*\*Note: Please write down the new IP address before rebooting the system.

If your network configuration requires a Gateway IP Address select Unicast or Both from the Network Protocol Options

You may continue to make changes to the board. When finished **Tap** the Reboot OverWatch button.

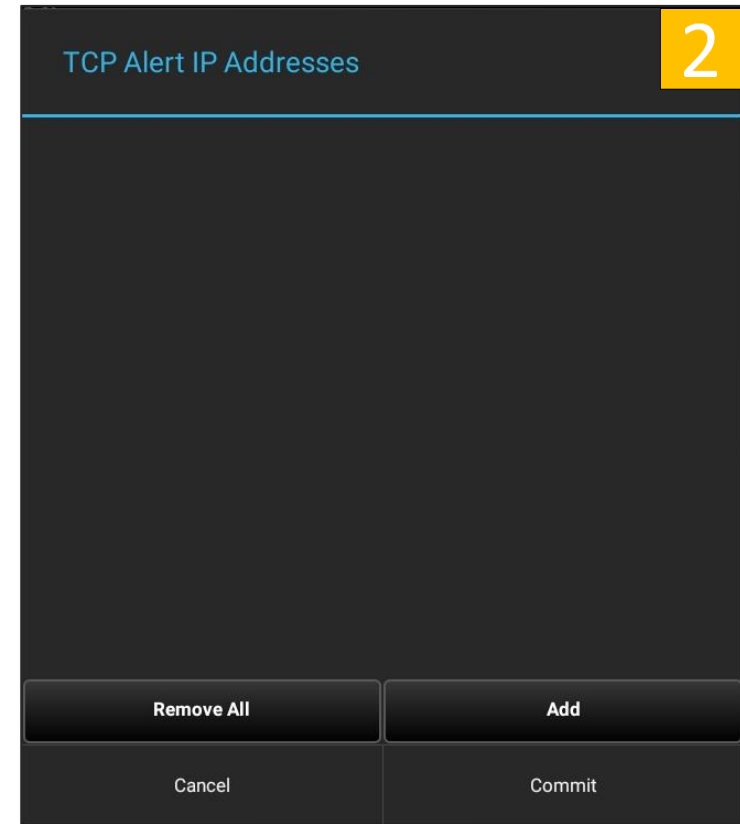
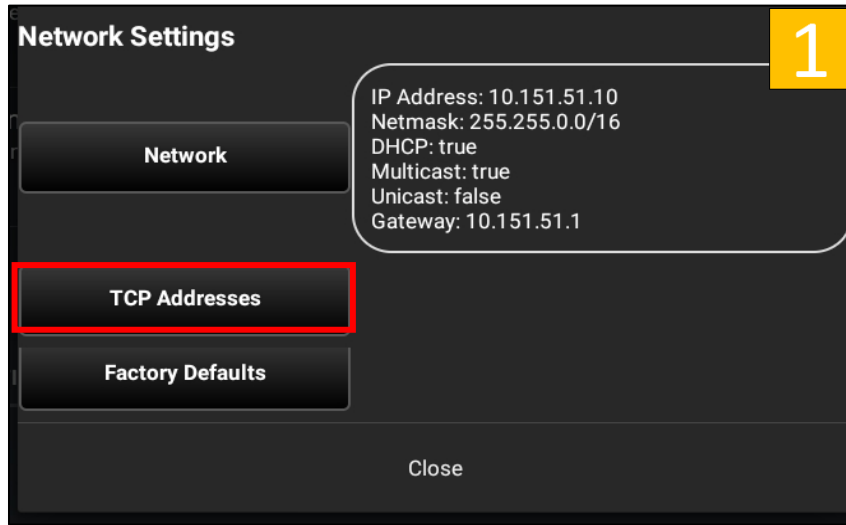




# OverWatch™ Board Configuration

## OverWatch™ Other Settings

# OverWatch™ Board Configuration – TCP Addresses

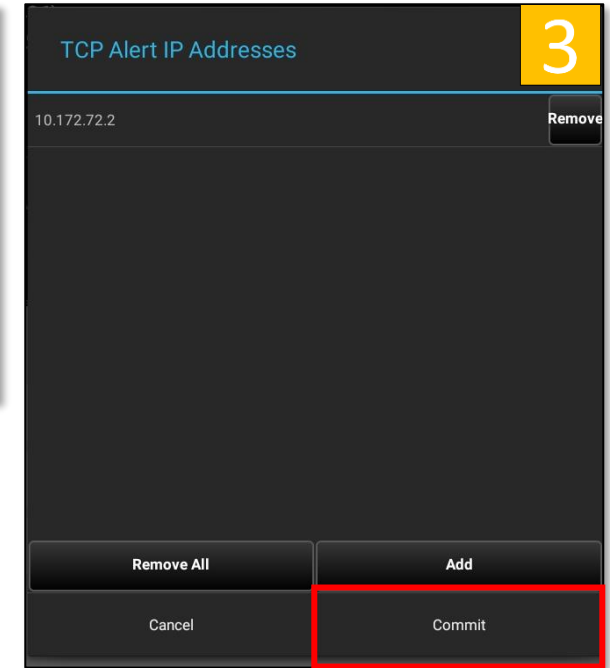
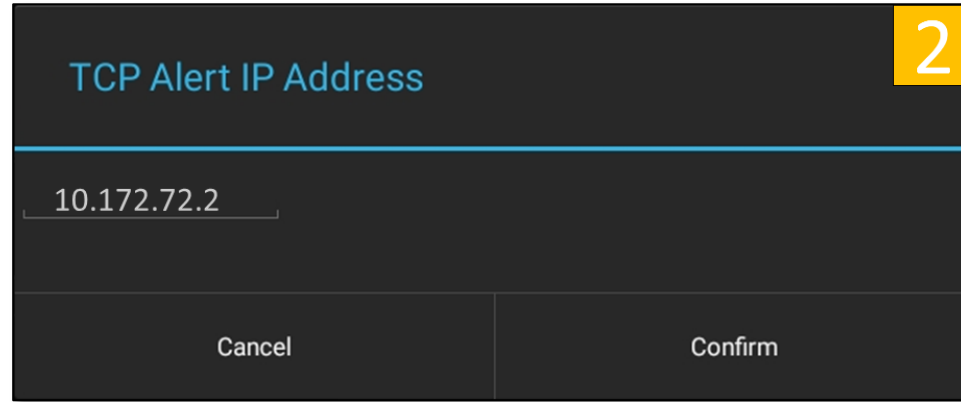
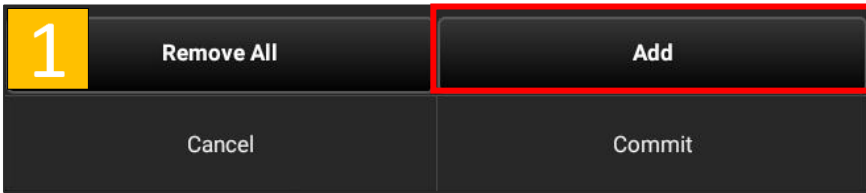


1. Locate and **tap** TCP Addresses under OverWatch™ Network Settings.
2. This menu will allow the user the ability to Add, Remove, and Commit IP addresses to receive TCP based alerts.

You may continue to make changes to the board. When finished **Tap** the Reboot OverWatch button.

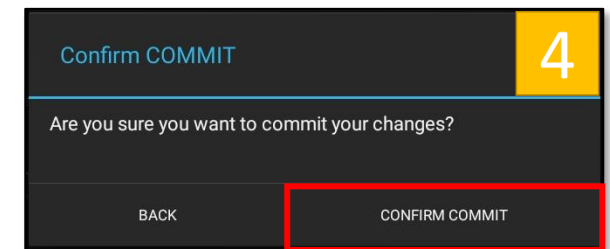
Button	Description
Remove All	Remove All IP Addresses in the list
Add	Add an IP address to receive TCP Alerts
Commit	Commit newly added TCP Addresses
Cancel	Cancel current actions.

# OverWatch™ Board Configuration – Add TCP Address



1. Locate and **tap** the Add button under TCP Alert IP Addresses Menu.
2. **Enter** an IP address to receive TCP Alerts then tap Confirm.
3. **Tap** Commit and then Confirm Commit to add the IP address

You may continue to make changes to the board. When finished **Tap** the Reboot Overwatch button.



# OverWatch™ Board Configuration – Factory Defaults



OverWatch Board Configuration **1**

OverWatch Setup  
OverWatch Address: 10.151.51.10 Connected

Connect Reboot OverWatch

OverWatch Configuration

Configurations  
Board Name: OW\_1  
Cam Name: OverWatch\_1  
Publish ATAk: true  
Video Port: 8011

Camera Configuration

Camera  
Framerate: 30  
Quality: 75  
Detection: on  
Threshold: 5  
Noise: 32  
Marker: redbox

Motion Alert Settings

Motion Alerts  
UDP Group: 224.3.4.5  
UDP Port: 23434  
TCP Port: 1775

SA Network Settings

SA Network  
UDP Interval: 1  
TCP Interval: 2  
Timeout: 10  
ATAk UDP Group: 239.2.3.1  
ATAk UDP Port: 6969  
ATAk TCP Port: 8089

Network Settings

Network  
IP Address: 10.151.51.10  
Netmask: 255.255.0.0/16  
DHCP: true  
Multicast: true  
Unicast: false  
Gateway: 10.151.51.1

TCP Addresses

**Factory Defaults**

Close

Reset Board to Factory Defaults **2**

Are you sure you want to reset board to factory defaults?

1. IP Address will be set to 10.151.51.10  
2. Authoritative DHCP will be enabled  
3. You must reboot the board after selecting confirm

Cancel Confirm

1. Locate and ***tap*** Factory Defaults.
2. The board will wipe out all changes you have made to it and revert to factory settings. Tap Confirm when you are ready.

