

GETTING STARTED WITH YOUR FEEVR DEVICE

- 1 Secure Tripod at appropriate height (For marshalling within the lobby area, 60" is recommended to achieve maximum FOV for average individuals).
- 2 Attach battery pack to tripod pole using provided clip.
- 3 Powering up the feevr unit - This may be done while the mobile unit/phone and the Flir camera are in the feevr case.
 - a) Turn the mobile device on by pressing and holding the power button on the upper right side of the case, corresponding with the same location on the mobile unit (Samsung 8). *Note: the phone and Flir camera should be in the feevr case.*
 - b) Once mobile unit has been turned on (you will see the Samsung logo), press the power button for the Flir camera located on the bottom edge of the feevr unit (dark red). This will illuminate the red button that will then show a consistent red light for approximately 10-12 seconds. Once the Flir camera has successfully powered up, the red light will turn green and begin to blink indicating the Flir camera is ready to be synced with the mobile phone.
 - c) If the phone has moved into "screen saver mode", you will see the time of day displayed on a black screen. To move out of screen saver mode, once again press the power button for the mobile device, located on the upper right side of the mobile device, and swipe up to unlock the phone. This will bring up the home screen where the icon for the Feevr app is visible in the tool bar or feevr icon button on the lower right hand corner of the mobile device.
 - d) This should prompt the user to indicate they would like to automatically launch the feevr app when the mobile device is connected to the Flir camera: "Would you like to automatically launch the feevr app when device is connected to thermal camera?" Select the box corresponding "yes" and press done/continue.
 - e) This will launch the feevr app and bring up a thermal image on the mobile unit screen at which point the Flir camera and mobile device are correctly working in concert with one another.
- 4 Attach the feevr unit to the top of the tripod using the clamp/clip provided with the original package. *Note: Make sure the Flir camera lenses (2) are facing out towards the area where individuals temperatures are to be taken. For optimal results, the feevr unit should not be at an angle, but instead from a flat plane, perpendicular with the ground surface. Note: the phone orientation needs to be "unlocked" to assure that both landscape and portrait mode are accessible. The feevr app will be run while the phone is in landscape mode.*
- 5 Your feevr unit is now ready to be calibrated and put into use.

CALIBRATION OF THE FEEVR UNIT

Calibration should be undertaken by two individuals who have both familiarized themselves with the calibration process to achieve maximum efficiency.

- 1 One team member (1) will stand behind the feevr unit (looking towards the temperature screening area) while the other team member (2) will be out front within view of the feevr unit and Flir camera. *Note: Distance and height calibration will be used for subsequent screenings once calibrated.*
- 2 Team member 2 should stand in front of the camera at a distance corresponding to the intended range that individual's will be located once they are walking to the security checkpoint. (approximately 4ft - 6ft). Team member 1 should be able to see a thermal image of Team member 2 with a "white box" super imposed on the individuals face.
- 3 Team member 1 locates the "gear" icon at the top right of the screen corresponding with settings, pressing the "gear" icon which will bring up a screen with results as well as the prominent "Calibrate" button.
- 4 Team member 1 presses the "Calibrate" button, which will activate the face detection software (locates eyes and forehead) and corresponding temperature reading. *Note: The active camera here is the Flir camera and Team Member 2 should be looking at the Flir camera's dual lenses.*
- 5 Team member 1 will see the screen "reset" accompanied by a brief black screen which will give way to a thermal image as Team Member 2 moves toward the feevr unit. Once the "Green" box appears, Team Member 2 should continue to move towards the feevr device before exiting stage left or right within 2 ft of the feevr unit itself to mimic the motion of a individual as they are being marshalled towards the feevr unit. This action will complete the calibration process. *Note: The calibration process should be completed with a resulting "Green" box. An appearance or calibration with a "red" box indicates the individual has an elevated skin temperature and should not be used as a "base" calibration measure.*
- 6 Your feevr unit has now been calibrated.

These two Standard Operating Procedures for Set Up and Calibration should aid in uniform use amongst all employees ensuring a high percentage of accurate skin temperature screenings.

In the event an individual's temperature is not being read (white box) or there are dueling temperature results (Green box followed by Red box; Red box followed by Green box), the individual may have their screening done again to ensure accurate reading.

TROUBLESHOOTING/FAQs

- 1 The thermal image is present but the white box does not turn green nor red.

Insight: The facial detection software is working, but the temperature scan is not processing.

Solution: The individual may move out of the Field Of View (FOV) and enter again. If this repeats, please re-calibrate the feevr unit via the gear/calibrate process mentioned above in step #'s 3-5.
- 2 The thermal image is present but no white box is present.

Insight: The facial detection software is not being applied

Solution: The individual may be wearing a hat or covering on the forehead, in which case ask the individual to lift the brim of the hat making sure to expose the forehead. **Note:** This may also be the case with overhead lighting and an individual wearing a hat as the brim of the hat will cast a shadow down the face of the individual. This can be rectified by having the individual lift the brim of the hat, exposing the forehead to the Flir camera. *Note: This may also occur with individuals who are out of range, (above, below, laterally) as the individuals face is outside the FOV. If the individual can move their face into the Field Of View (FOV), a white box will appear and quickly transition to a green or red box.*
- 3 The screen is black.

Insight: The connection between the Flir camera and the mobile device has been disrupted.

Solution: Remove the mobile device from the feevr case, turn the phone off and then on again, and return the phone to the feevr case.