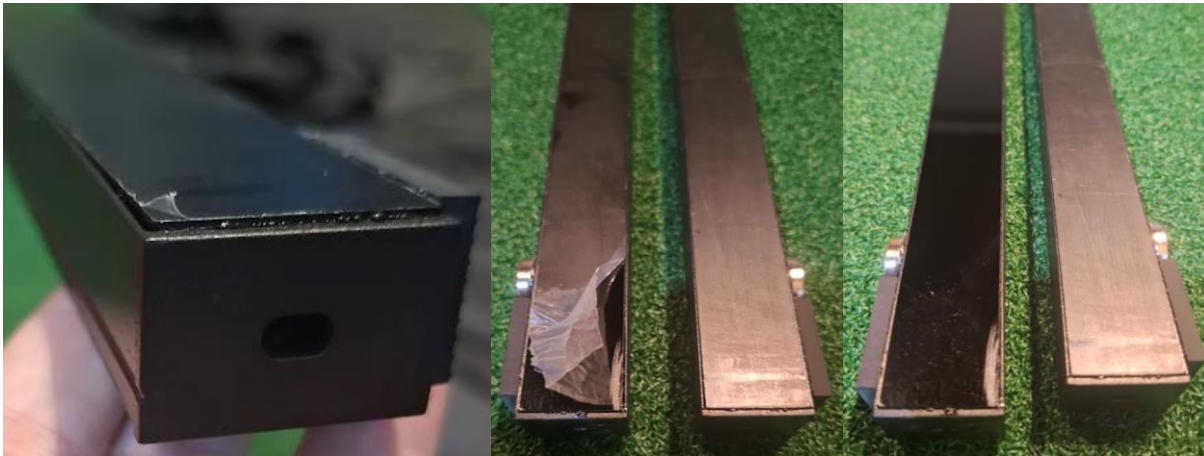


Set Up Steps

1. Unpack parts.



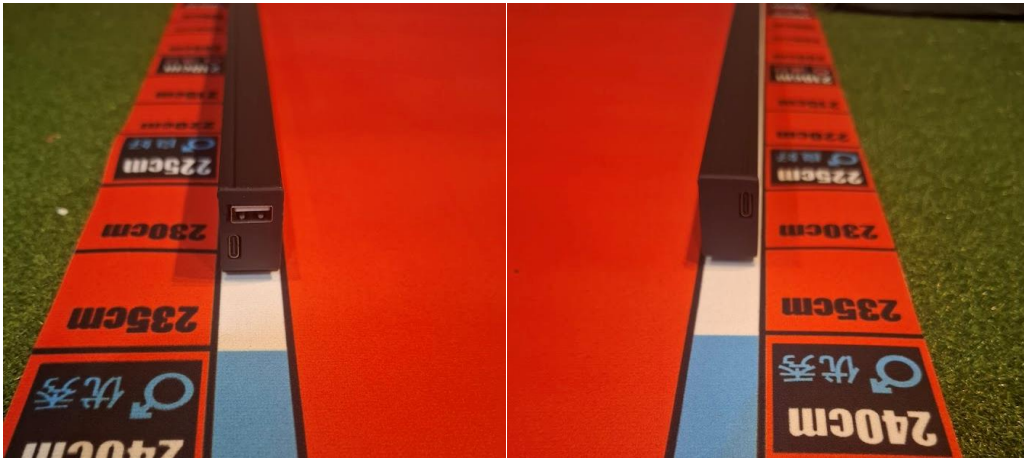
2. Remove protective film from infrared bars.



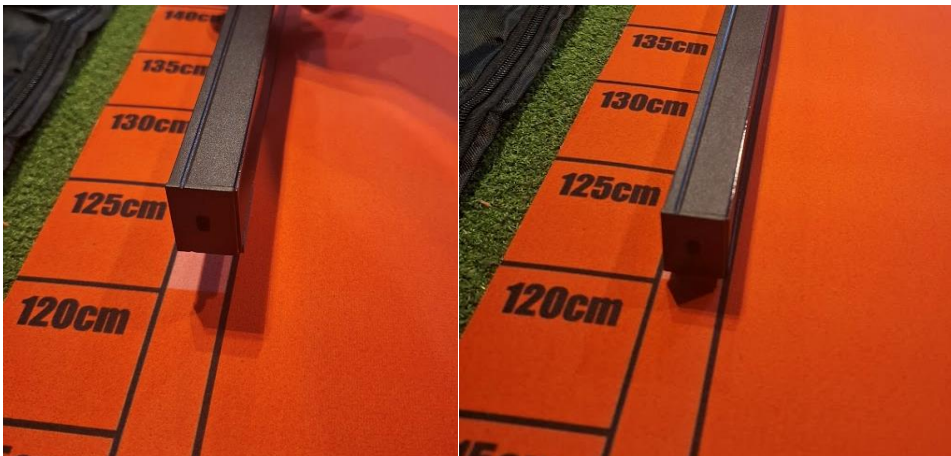
3. Roll out the mat.



4. Rotate the infrared bars like this, with the plug holes facing the 300cm direction of the mat.



5. Common positioning would be to have them align with the end of the pink zone (the 120cm mark). You could do a trial jump to see if this positioning is suitable for you. Does the jump fall within the 120-223cm range? If so, this positioning is acceptable.



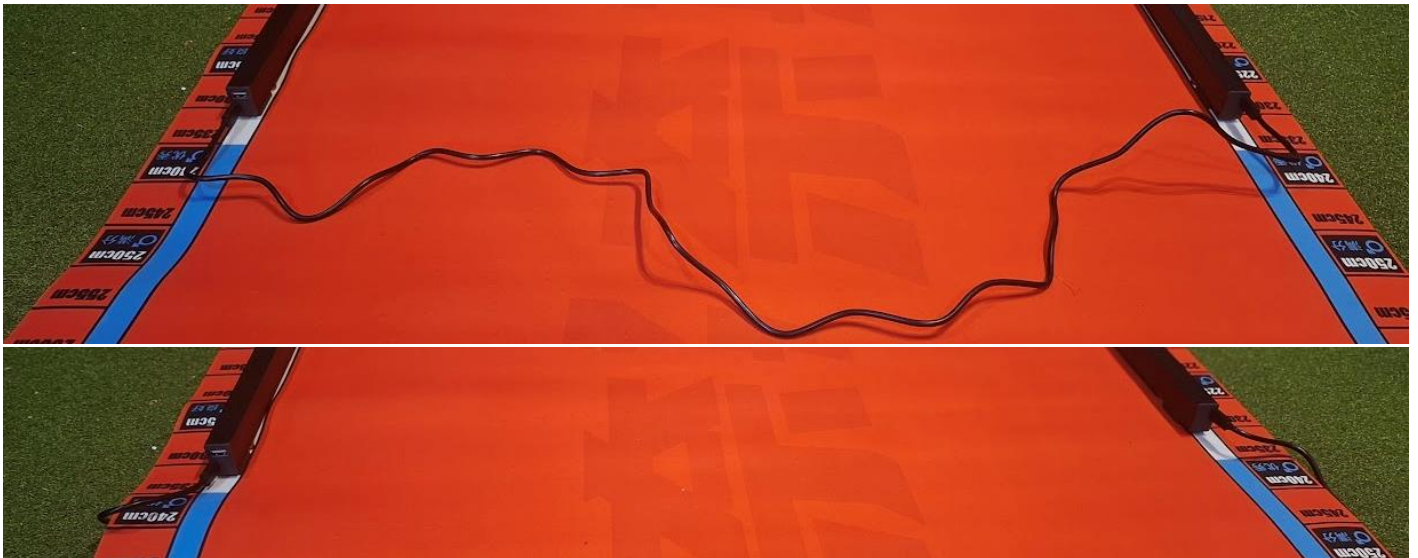
6. The infrared bar has magnets on the bottom. They will only work after attaching the metal circles to the *bottom* of the mat. (The magnets will keep the bar stable, to avoid it moving, or causing false readings) Note where the magnets will sit on the mat when the bar is in your preferred position (the metal circle is placed there to show this point).



7. Remove the sticker film from the metal circle. Stick it to the bottom of the mat directly below the position you located before. You may press your finger on top of the mat to feel where the position is. Squeeze the circle onto place, and leave it to stick properly. Now the magnets can stick the infrared bars to the mat (minimizing false readings). You would have used 4 of the metal circles, and likely have 2 spare, in case any become lost or if you want an additional point to attach to.



8. Use the USB-C -> USB-C cable to connect the 2 infrared bars. Pass the cable *under* the mat.



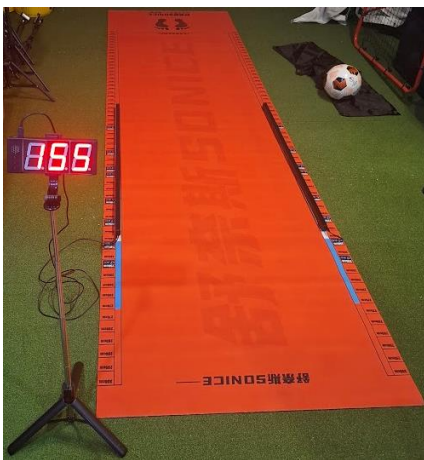
9. Expand the tripod stand and place the digital display.



10. Connect the display to the left-hand infrared bar, via the long USB -> Mini-USB cable.



11. Move the display panel to a suitable position, then the basic set-up is complete.



12. **Charging:** The display is charged via a phone's USB-C cable (charging adapter not included). The display will show a red light when charging. The light will turn off when fully charged.



Display Controls



1. **Middle Button (press): Power on.**
2. **(Once turned on)**
 - a. **Top Button (hold down): Voice on / off.**
 - b. **Middle Button (hold down): Power off.**
 - c. **Bottom Button (hold down): Set infrared bar positions.**
3. **(Upon holding the bottom button to set infrared bar positions)**
 - a. **Top Button (press): increase by 5cm**
 - b. **Middle Button (press): Save setting.**
 - c. **Bottom Button (press): decrease by 5cm**

The following image represents a '120cm' position. In the panel settings, you would set the infrared bar position to 120. Now the panel is ready to give scores between 120-223cm. If the participants using the mat find 120-223cm to be unsuitable, then you can move the infrared bars and update the panel setting. If moving the bars, it is suggested to stick the spare metal circles to the base of the mat, so the magnets can work to keep the bars steady.



Troubleshooting

False Readings (eg. low values)

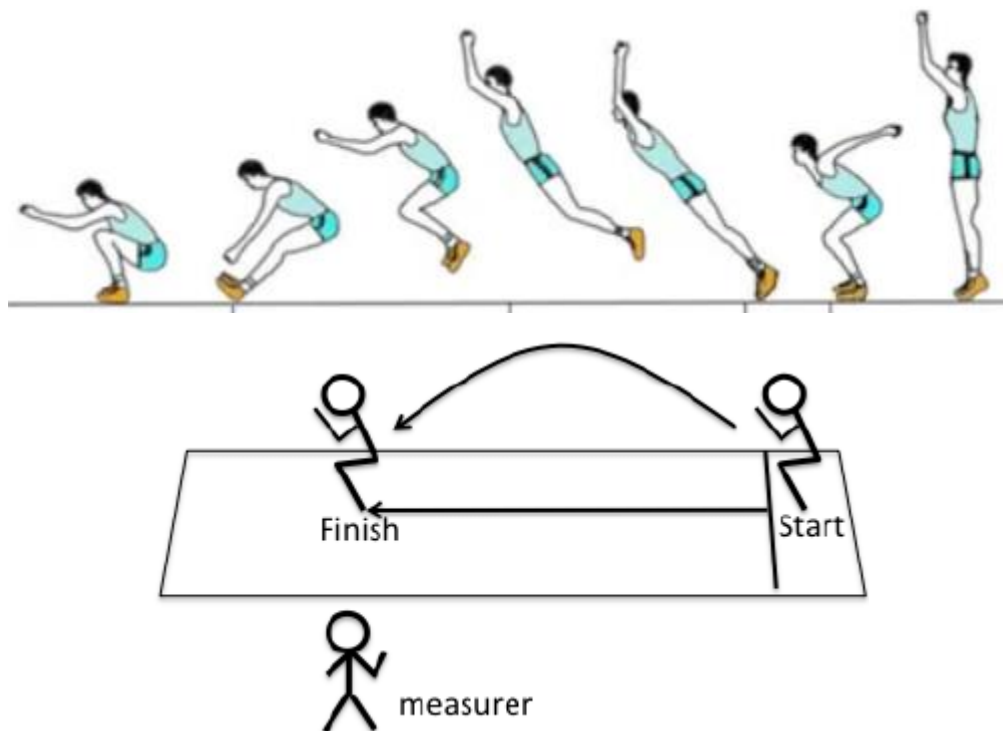
This would be due to the infrared signal between the bars becoming broken, most likely due to movement of the bars, or a non-smooth surface. Eg. if landing on the mat is making the bars sway, and point downwards.

1. Check the positioning of the 2 infrared bars (same position on each side of the mat, and straight).
2. Flatten the mat.
3. Clear the surface of the mat.
4. Confirm that the magnets are holding the infrared bars sturdily in position.
5. Check that the flooring beneath the mat is sufficiently solid.

Now do some test jumps to confirm that the mat remains smooth and in place after jumping. Also check that the infrared bars are staying still upon jumping.

Note: The infrared bars measure 110cm long, while the sensors inside are 104cm long, with the remaining space taken up by cables. The final few cm of the bar will not give readings.

Testing Procedure



1. Stand with feet parallel, and toes behind the line.
2. Bend the knees and swing the arms back. Swing the arms forward and jump forward as far as possible.
3. Attempt to stick the landing. If you fall *backwards*, the attempt is invalid.
4. The mat will read the value of the heel of the furthest back foot.
5. An examiner or 'measurer' can watch over the test to record the test values, and to confirm that the reading given by the display is correct.
6. The best of 3 attempts can be recorded.