

HI-TEC ACTV Plus Activity Tracker

Product Manual Version 1.0

Feb 2017

“Hi-Tec®, the Hi-Tec® symbol and Inspired by Life are trademarks of Hi-Tec Sports International Holdings BV used under licence by The Mustard Concept (TMC) Ltd, 12 Black Barn, Manor Farm, Manor Road, Wantage, Oxon, OX12 8NE, UK All other trademarks, servicemarks, registered trademarks, and registered servicemarks are the property of their respective owners.

Table of Contents

Getting Started	2
What's in the Box?	2
What's contained in this document?	2
Setting up your HI-TEC ACTV Plus	2
Installing and pairing your HI-TEC ACTV Plus	3
Wirelessly sync your HI-TEC ACTV	3
The Basics of your HI-TEC ACTV Plus	3
Wearing your HI-TEC ACTV Plus	4
Is the HI-TEC ACTV waterproof?	4
Battery Charging	4
Care Instructions	5
Your Activity with the HI-TEC ACTV Plus	5
Tracking your Sleep	6
Viewing your activity using the HI-TEC ACTV application	7
Notifications & Alarms	7
Heart Rate	8
Resetting your HI-TEC ACTV Plus	8
Update your HI-TEC ACTV Plus	9
HI-TEC ACTV Plus General Information & Specification	10
Battery Details	10
Memory Size	10
Specification Table	10

Frequently Asked Questions

111

Getting Started

Welcome, you are now the proud owner of a HI-TEC ACTV Plus wearable device. Your journey to maintain, improve, and challenge yourself and other HI-TEC ACTV users and friends starts now. Whether you want to track your core activity or benefit from the advanced features, our HI-TEC ACTV range delivers that ideal balance for you.

What's in the Box?



HI-TEC ACTV Plus



Charging Cradle



USB Charge Cable



Quick Start Guide

What's contained in this document?

This manual describes the HI-TEC ACTV device and the HI-TEC ACTV mobile application (App), in order to get you started as quickly and easily as possible. It also answers the most commonly asked questions and helps you to troubleshoot the most common issues.

A summary of the set up process is provided, as well as a description of the basic features and functions of your HI-TEC ACTV Plus device. It also provides more detail on the device specification.

If you have any other questions, comments or feedback on your HI-TEC ACTV Plus, then please contact our Customer Service team by sending an email to wearable@hi-tec.com

Setting up your HI-TEC ACTV Plus.

The HI-TEC ACTV Plus is set up using the HI-TEC ACTV mobile application. The App is available on both Android and iOS devices.

The app can be downloaded from either the Apple App Store, or the Google Play Store at the following locations:

Apple App Store (UK):

<https://itunes.apple.com/gb/app/hi-tec-trek/id1055266340?mt=8>

Google Play Store (UK):

https://play.google.com/store/apps/details?id=com.hitec.app.android&hl=en_GB

The HI-TEC ACTV Plus uses BLE (Bluetooth Low Energy a.k.a Bluetooth 4.0) to connect to the app. BLE is only available in certain operating systems and phones.

Known compatible phones:

iOS Devices

iOS requires version 7.1 and higher.

Android Devices.

Android requires version 4.3+

iPhone 4S

iPhone 5, iPhone 5S / 5C Moto X, Moto G iPhone 6 / 6 Plus Nexus

4, Nexus 5 iPad, iPad 4+, iPad Air HTC One M7, HTC One M8 iPad

Mini, iPad Mini Retina iPod 5th Gen

Samsung Galaxy S3, S4, S5

The approved and tested phones are listed above. However, if your device is not on this list, no need to worry! It may still work, but the above list is guaranteed to be compatible.

Installing and pairing your HI-TEC ACTV Plus

1. Install the HI-TEC ACTV mobile application from the relevant App Store.
2. Follow the on-screen instructions within the HI-TEC ACTV mobile app.
3. Congratulations, you are ready to measure and track your activity.

Wirelessly sync your HI-TEC ACTV.

1. The HI-TEC ACTV Plus will automatically sync to the ACTV mobile application when the HI-TEC ACTV Plus is connected to your device.
2. The HI-TEC ACTV Plus must be within 10 – 15 feet, or 3 – 5 Meters, of your device.
3. If you have any issues visit the 'Tips' section within the app menu.

The Basics of your HI-TEC ACTV Plus.

The HI-TEC ACTV Plus is designed to be worn on the wrist. It can be worn on either wrist. To improve accuracy, it is recommended that you edit your stride length within the HI-TEC ACTV mobile application.

Stride length is set automatically based on your entered height when you create your account. To accurately set stride length, lay a tape measure on the ground stretched out several feet, then take a normal step measuring from the front of the rear foot to the front of the other foot.

Stride length is accessed from the Menu, under User Settings. Stride length can be changed to any number of inches/centimetres* (*unit preferences visible in app settings) under user settings visible in the app menu.

Wearing your HI-TEC ACTV Plus.

Your HI-TEC ACTV Plus device is designed to be comfortable when worn on the wrist. It is recommended that it is worn as tight as possible without being uncomfortable, but cannot be moved up and down the arm. The band does not contain latex.

1. Place the HI-TEC ACTV Plus on a flat surface with the screen facing down – *this will help to keep the band stable the first few times you use it.*
2. Place your wrist on top of the back of the HI-TEC ACTV.
3. Bring the strap, hole-side first, up on to the wrist, and pass through the gap in the other side of the band.
4. Make sure the band is comfortable and use your thumb and forefinger to pinch the strap closed over the metal pin.

Is the HI-TEC ACTV waterproof?

The HI-TEC ACTV is 'water-resistant'. The HI-TEC ACTV Plus can stay on your wrist:

- during your sweatiest workout.
- while washing your hands.
- while taking a shower.

The ACTV Plus is not waterproof, and should NOT be worn while swimming, scuba diving, or when in the bath - *the bath is for relaxing not measuring activity!*


Battery Charging

The battery inside your HI-TEC ACTV Plus is a rechargeable Lithium-Polymer battery.

Under normal use the battery life on your HI-TEC ACTV Plus should last for around 5 days.

As a general rule, the less your device vibrates or has the screen turned on, the longer your battery will last.

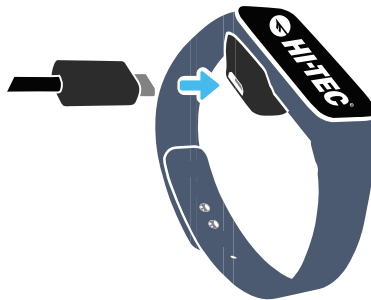
If you still find yourself with an unusually short battery life, try this:

- 1) Make sure your device has been synced to your phone,
- 2) On your device, do a Factory Reset (go to Apps > Settings () > Factory Reset?), and;
- 3) Clean the gold charging contacts on the back of your device with a brush (e.g. old tooth-brush) and some rubbing alcohol.

As always, drop us an email at wearable@hi-tec.com with any questions or concerns you have!

To charge the HI-TEC ACTV Plus align the pins on the cradle with the pins on the HI-TEC ACTV Plus so that they snap together.

You can then plug the micro-USB cable into the cradle and connect it to a USB power source, your PC or laptop is ideal, or even a spare phone charger you may have.



A wall charger or desktop computer will fully charge your ACTV Plus in 90 minutes. A laptop should also charge it in 90 minutes, but some laptops stop charging if their screen is asleep.

Care Instructions

You can clean your band, after any exercise, with a soft damp cloth. It is also recommended that you clean the charging pins on the back of the HI-TEC ACTV Plus. This is done simply with a brush (e.g. old tooth-brush), or a cotton-bud and some rubbing alcohol.

Your Activity with the HI-TEC ACTV Plus.

The HI-TEC ACTV Plus will track steps taken, active minutes, distance traveled, calories burned and sleep.

- Steps are tracked using internal hardware to detect movement, and this movement is then determined to be a step (or not a step) based on a unique step tracking algorithm.
- Active minutes are calculated for any activity lasting 30 seconds or more. Any movement lasting less than 30 seconds will not count towards an active minute.
- Distance travelled is calculated using 3 factors: number of steps taken, speed of those steps, and set stride length. Stride length can be adjusted under user settings in the HI-TEC ACTV app menu.
- Calories are calculated using 4 factors: set weight and gender visible in user settings, the number of steps recorded, and the speed of those steps.

Tracking your Sleep

Sleep is tracked using the same hardware used to track movement in the ACTV Plus. Asleep, restless and awake periods are based on intensity of movement ranging from no movement, very little movement and recorded steps (corresponds directly with asleep, restless and awake measurements).

'Restless' activity is measured by general body movement, such as turning over, adjusting your pillow, punching your partner in the side to stop the snoring, etc. 'Asleep' is when you are completely at rest, dreaming of sweet nothings.

'Awake' is when you get up to go to the bathroom or suddenly develop a sleep walking habit!

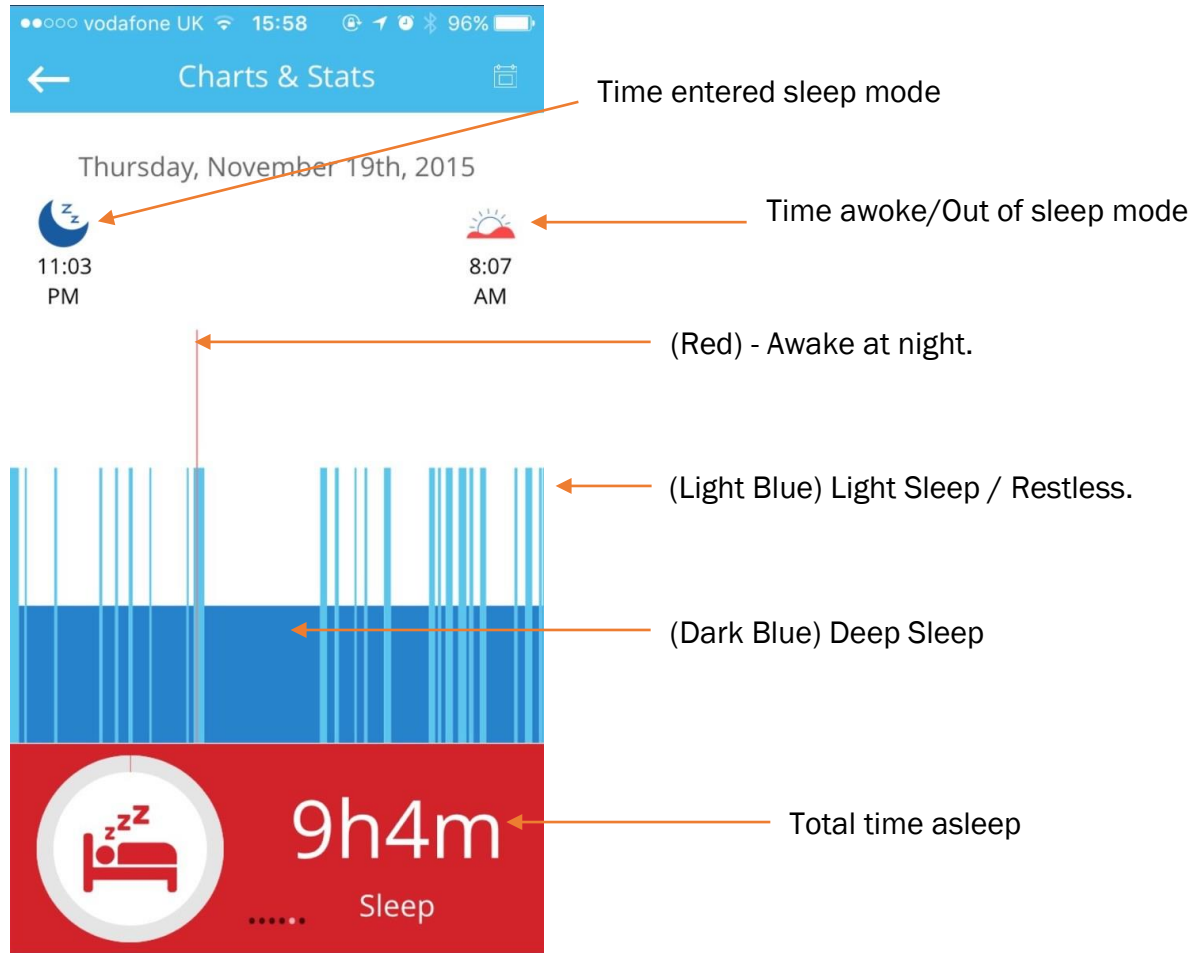
To put your ACTV Plus in sleep mode there are two options:

1. From the app, double tap your ACTV Plus to sync with the app, then tap on the sleep mode bar at the top of the screen. See the toggle button next to the cute little moon? Tap the toggle button to start the clock.

Once you wake up, sync your device again (double tap) and tap the toggle button.

2. On the ACTV Plus, from the 'apps' screen (seen to the left of the time/date screen), tap on the moon icon. You will then see a confirmation screen appear. Tap on the check mark to start sleep mode.

When you want to turn sleep mode off, double tap the screen and you will see a sleep timer. Swipe the screen to see a moon icon with a slash through it. Tap on the icon to exit sleep. Next time the ACTV Plus is synced with the HI-TEC ACTV app via double tap, recorded sleep should display in the sleep tile.



You may sometimes forget to switch the band out of sleep mode, don't worry it can happen! We have programmed the HI-TEC ACTV Plus to automatically exit sleep mode once you walk more than 200 steps.

Viewing your activity using the HI-TEC ACTV application.

To view previously recorded data for all of your activities, simply select the tile for the desired activity on the HI-TEC ACTV app home screen. Here you'll see a graph appear showing previous data.

Select the calendar icon on the upper right to change date view. Swipe left or right on the graph to scroll through previous days. Swipe left or right on the bottom portion showing activity count to scroll between graphs for each activity.

Notifications & Alarms

Your HI-TEC ACTV Plus connects to your smartphone and reports on your day-to-day notifications from your phone. With a gentle vibrate, the HI-TEC ACTV Plus allows you to see who is calling your phone, who is texting, emailing or even What's App, all without having to remove your phone from your pocket, bag or luggage! We like to think it makes

things a little more convenient, when you know you can leave a call or message for later and know its not that urgent.

The HI-TEC ACTV Plus also allows you to set alarms and configure the notifications you receive on your band. To set an alarm simply open the menu and select 'Pair Device'. Scrolling down you should be able to see Smartwatch Apps and Vibrating Alarm. Adding an alarm is easy; tap the 'plus' sign, select the time and whether you want the alarm to repeat on selected days and you're good to go.

Heart Rate


Your ACTV Plus measures your resting heart rate. Your resting heart rate is the number of times your heart beats per minute while it's at rest. It is recommended to measure resting heart rate first thing in the morning (before you have that first cup of coffee) or at night right before bed time. Your ACTV Plus takes the read throughout the day (typically every 10 - 15 minutes) when you at least active.

The ACTV Plus can also be used to take on-demand heart rate readings*. To measure your heart rate, make sure your device is comfortably fitted against your wrist and not loose. The heart rate sensor on the underside of the ACTV Plus needs to be in direct contact with your skin. Make sure you are sitting or standing as still and quiet as possible while the device is measuring. The less you move, the more accurate and speedy the heart rate measurement will be. The device will buzz slightly when your measurement is complete and then briefly flash your resting heart rate.

*(*Please note that this measurement data is currently not stored on your device or app.)*

Resetting your HI-TEC ACTV Plus

If you are experiencing issues, such as syncing or become non-responsive, one easy way to fix it is to perform a reset. Your HI-TEC ACTV Plus has three levels of reset, a "Restart", a "PIN Reset" and a "Factory Reset".

A "Restart" is found on your ACTV Plus, under apps > settings , and will simply power your TREK Plus off and back on. This fixes the majority of issues.

To do a "Pin Reset," place your ACTV Plus back into its charging cradle. Flip it over and use the end of a paperclip, not a drawing pin, to hold down the tiny button marked "Reset" on the back of the charging cradle. This is essentially another method to restart your ACTV band.

"Factory Reset" is found on your ACTV Plus, under apps > settings (small gear icon), and will delete all the recorded data on your ACTV Plus (data already synced to your phone will remain linked to your account) and restore it to factory settings. Your ACTV Plus will display a 4 digit pairing code as it did coming out of the retail box. After doing a Factory Reset, you'll have to re-pair your ACTV Plus to your phone.

Update your HI-TEC ACTV Plus

At HI-TEC we are continually looking at ways to improve the ACTV range of wearable devices. As such there may be free updates to improve the product and enhance your experience.

When a software update is available, your ACTV Plus will automatically start downloading it the next time it syncs with the app. Your ACTV Plus will need enough battery to complete the update, so it's always a good idea to have your ACTV Plus plugged into the charging cradle before you attempt the update. Make sure your phone/tablet is connected to a reliable internet connection when attempting to update the ACTV Plus.

If your update is having trouble completing, it is possible that your ACTV Plus has some stray files saved on it, causing the update to stall. But not to worry! There are a few things you can do to reformat your ACTV Plus to successfully accept the update.

First, force quit the app and do a factory reset on your ACTV Plus. Make sure you have synced your current steps with the app, otherwise you will lose your current progress. You will then need to re-pair your device with the app. Once you do that, you should see the update prompt.

HI-TEC ACTV Plus General Information & Specification

Battery Details

Your HI-TEC ACTV Plus contains a rechargeable Lithium-Polymer battery.

Memory Size

The HI-TEC ACTV Plus will typically hold around a month's worth of data before you need to sync with your smartphone. However, we do recommend that you sync more frequently, so you can compare your activity and sleep more regularly.

Specification Table

Size (mm)	Min.	Max.
Adjustable strap (diameter)	120mm	205mm
Module Size (mm)	58mm x 24mm x 13.5mm	
Connectivity	Bluetooth Low Energy (BLE) 4.0	
Weight (g)	Module	Band
	9 grams	10 Grams
Screen Type	Capacitive Touch Screen	

For all help troubleshooting and general assistance email our Customer Support Team at wearable@hi-tec.com.

Frequently Asked Questions

1. How do I turn on and navigate through my ACTV Plus?

Your ACTV Plus responds to several different finger motions.

- Double tap the screen or side of the ACTV Plus to turn on the screen.
- Tap the screen to select.
- Swipe the screen to scroll through different screens. You can swipe in both directions. Swipe with the full finger a single, well placed swipe!

2. What do all these symbols mean in the Apps screen?

- The Walking Man - brings you to your activity stats screens for steps, miles etc.
- The Moon - allows you to turn on and off sleep tracking.
- The Speech Bubble - displays recent notifications received on the device.
- The House - takes you back to the time/date screen.
- The Gearwheel- accesses the settings screens of the device and shows you all sorts of useful info like current battery percentage.

3. Can I use the ACTV Plus with a computer?

The ACTV Plus will not sync with a computer or online dashboard.

4. Why is my charger missing a prong?

It's not! The ACTV Plus charging cradle ships with three prongs...and that's all you need to charge with. The 4th prong is used at the factory to program your device and isn't necessary to charge the device.

If you have LESS than three prongs, drop us a line at wearables@hi-tec.com, and we'll get you up and running again!

5. How do I trim my wristband?

Your ACTV Plus wristband can be cut to the appropriate length using a pair of scissors. Please cut only one section at a time to avoid cutting it too short!