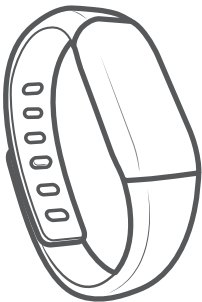



User Manual



TicBand LS418-F

- Thank you very much for selecting TicBand LS418-F. 
- Please do read the user manual carefully and thoroughly so as to ensure the safe usage of this product, and keep the manual well for further reference in case you have problems.

- 技术要求:
- 1、黏合不可露胶
 - 2、保持印刷面板上的清洁
 - 3、注意套印的准确性
 - 4、表面处理不可爆开
 - 5、结构工艺以结构受控图为准
 - 6、颜色参考:

广东乐心医疗电子股份有限公司
2018-04-16
受 控 文 件

改P5



产品型号	LS418-FC004		材质	70g书写纸	零件名称	
产品名称	计步器		尺寸	110*65 mm		
对应结构图纸	-		印色	黑色	P0#2B3112A-LS418-FC004-GB-04-说明书-A1	
	比例	1:1	表面处理	-	零件图号	
	单位	mm	设计	李秋燕 2018-04-16	LS418-FC004-GB-04	
Transtek			审核	罗佳钰 2018-04-16	共 11 张	第 1 张
广东乐心医疗电子股份有限公司			批准	谭文昊 2018-04-16	版 本	A/1

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♥ Symbol Meaning

The warning signs and symbols are essential to ensure your correct and safe use of this product and protect you and others from injury. Please kindly find the meanings of the warning signs and symbols, which you may encounter in the label and user manual, as follows:

	Symbol for "THE OPERATION GUIDE MUST BE READ"
	Symbol for "DIRECT CURRENT"

♥ OLED Display

SYMBOL	DESCRIPTION
	Time (Time format :24 hours)
	Steps and goal completion progress
	Heart rate
	Walking Distance
	The Consumed Calorie (kcal)

♥ General Instructions

Brand new TicBand LS418-F can track your activity in anytime.

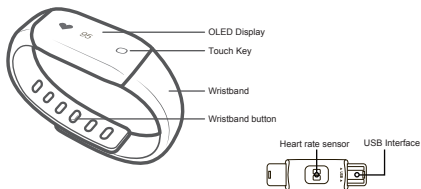
It is designed to measure the walking steps, distance, consumed calories and dynamic heart rate.

This device has Bluetooth 4.0 technology, the user can set personal information such as height, weight, goal step and so on through the Bluetooth devices, and then the information can be downloaded to the TicBand. The data in the TicBand also can be uploaded to the device which supports the Bluetooth 4.0 technology. So the user can check it in anytime.

Main Features:

- support the Bluetooth 4.0 technology
- Single point of touch function and OLED display
- keep a record of the measuring data during 7 days
- display walking steps, walking distance, the consumed calories, dynamic heart rate, and time
- 24 hours heart rate monitoring
- Swimming water proofing
- Sleeping monitoring
- Accurate step-counting
- Call notification
- Text Notification
- Automatic identify running function

♥ Device Components



♥ List

- TicBand LS418-F (Built-in Polymer Lithium Battery)
- User Manual

♥ Activate the TicBand

For the initial use, tap the touch key to light up the TicBand.
 "Open App to Connect" appears on the screen for 10 seconds and then turns off. Please activate it by connecting it with the app during 30 minutes, otherwise, it will return to shipping mode automatically and only support touch light up function, displaying "Open App to Connect".



⚠ CAUTION

Notes:

- (1) When the shipping mode is removed, the TicBand will display the initial time: 0:00.
- (2) After connecting with the mobile device, the TicBand will download the time from the mobile device, and it will display the current time.

♥ Install the App and Pair-Up

- Before you use the mobile device which supports Bluetooth 4.0 technology, please turn on the Bluetooth.
- Download the Mobvoi app from APP Store or Google Play .
- Install the APP, and register an account. Then set your personal information (Gender, Birthday, Height, Weight, Name and so on).
- Enter the "Device" interface to add the device. Click "Add New Device" button to add it . Then use the mobile device to scan the special QR code which is located on the kraft paper for the TicBand to bind the device, after the pairing is completed, click "OK" on the APP to confirm, it will synchronize with your mobile device.
- The time on TicBand will synchronize with the one on your mobile device. The measuring data will be transmitted to your device which supports Bluetooth 4.0 technology through the Bluetooth.

⚠ CAUTION

The device can't connect with the app or upload the data if the following situations appear:

1. The Bluetooth is off, or unconnected with the Internet.
2. Over the specified transmitting distance. The Bluetooth transmitting distance of TicBand is ≤ 8 meters in the situation of no obstacle.

3. The special QR code is not correct.

4. The smartphone isn't in the list of compatible devices.

List of compatible devices:

For iOS devices:

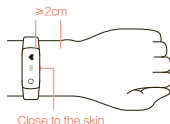
The operating system must be iOS 9 or more, such as iPhone 4S, iPhone 5/5C/5S, iPhone 6/6 Plus and so on.

For Android devices:

The operating system must be 4.4 or more.

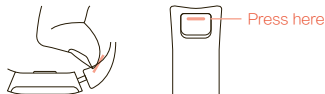
♥ Tie the wristband

Must make the touch key towards to the inner side of body. The heart rate sensor must be close to the skin. The distance between wristband and wrist should be 2 cm or more.



♥ Change the wristband

Press the identified part of the wristbands to take them out as below.



♥ Battery Charging

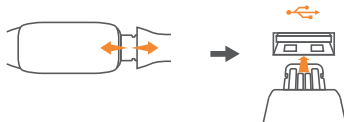
When the OLED displays the following symbol, it reminds you the battery is used up, you need to charge the power at once.



When the OLED displays the following symbol, it reminds you the battery is low, you need to charge the power.



Pull out the wristband, then insert the device's charging port into the computer's or charger's USB port to finish the charging.



When the device is charging the power, the OLED will display as the following picture. The power symbol blinks.



The OLED displays as the following picture, it means the charging is complete.



⚠ CAUTION

The Mini USB port is only used for charging the power, but can not be used for transmitting the data to the computer.

Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

The charging input voltage is 5V.

♥ Light It Up

Light up the TicBand as the below steps:



Tap the touch key

OR



Rotating your wrist

♥ How to Use

Follow the hints in the manual to wear the TicBand. Then it can start the measurement.



Start Walking
(within 10 steps)



10 Steps



More than 10 steps
(the digit increases)

The measuring data will be transmitted to your device which supports Bluetooth 4.0 technology if you have paired up with it.



♥ Check the Data

Following the steps of LIGHT IT UP to read the data you want.

Tap the touch key at any time to light up the TicBand, it will display the time first. Tap the touch key each time, it will display the data according to the following order: time, steps and goal completion, heart rate, distance and calorie alternately. If there is no operation, it will turn off in 5 seconds.



Time



Steps



Heart rate



Distance



Calorie

⚠ CAUTION

Notes: The data of the day will be cleared to zero automatically when the time is 0:00. The data cannot be cleared to zero manually.

The device only stores the latest 7 day's heart rate data, the data will be deleted if it's over 7 days.

♥ Alarms

Please set the Silent Alarms on the app. When the setting time is coming, it will display the alarm clock icon and vibrate continuously.

Tap the touch key to stop the alarm clock, or the alarm clock will stop vibrating until it's over the duration of the setting time.

You can set the alarm clock to vibrate 5 seconds, 15 seconds, 30 seconds, or 60 seconds on the app.



♥ Move Reminder

When you focus on your work too long, it can give you a notice to relax. But you must set the move reminder on through the app. Set the reminder interval, reminder frequency, starting and ending time.

When the setting time is coming, it will vibrate twice and display the sedentary icon about 10s, then turn off and log out. You also can tap the touch button to log out.



♥ Call Notification

Keep theTicBand connecting with the mobile device. Set the Call Notification on the app. When the phone call is coming, it will display the phone icon and the name about 10s, vibrate 1s then stop 1s. It will vibrate 4 times and then turn off in 10s.

When the phone is coming, tap the touch key to hang up.



Name



Phone number



Unidentified

♥ Text Notification

You can set the Text Notification on the app. Keep theTicBand connecting with the mobile device. When a message is coming, theTicBand will vibrate, display the message icon and contents.

TheTicBand only supports displaying the messages from the smartphone with iOS system or Android system.

TheTicBand only displays the message icon and contents once, and it cannot be thumbed through.

Messages from	Name	1 new message	(1-99) new message	More than 99 new messages
Smartphone	O	O	O	O

⚠ CAUTION

The device can't give you a Text Notification if the following situations appear:

1. The Bluetooth is off, or unconnected with the Internet.
2. Never set the Text Notification on.
3. Never set notice permission on the smartphone.
4. The screen of the smartphone is unlocked.
5. There are many messages in the smartphone, it won't give you a notice unless you clear them.

♥ Wrist Selection

You can select wear theTicBand on left wrist or right wrist. The default wrist is the left one.

When it displays vertically, the display direction of left wrist and the right wrist is the same.

When it displays horizontally, the display direction of left wrist and right wrist is different, 180° oppositely, as below:



Left wrist



Right wrist

♥ Night Mode

The default state of night mode is OFF. You can set it on or off, and the starting and ending time on the app. In night mode, you could not light up the TicBand by rotating your wrist, but you could by touching the key on the screen.

♥ Heart Rate Detection

The default mode of heart rate detection is ON. If you set it off, it will stop heart rate measurement. If you set it on, the indicator with green light will be on for continuous heart rate detection.



Heart Rate Detection is OFF.



Can't detect heart rate.



Detect heart rate.

♥ Display Mode

You can select horizontal or vertical display on the app. The default display is horizontal.

Text notification and call notification only support horizontal display. Activate startup screen, battery charging, and update screen only support vertical display. Other pages can support both horizontal and vertical display.

♥ Display Settings

You can decide which screen you want to display on the TicBand through the app. The default pages (time, steps, calorie, distance, heart rate) are on. You can select the order of displaying pages, and must keep at least one page on.

♥ Goal Achievement Reminding

You can set the goal achievement reminding on the app. There is a goal celebration to encourage you to reach your goal. When you reach the setting goal, it will vibrate twice, and display the encouragement icon about 3s and then display goal steps about 2s. Then it will turn off and log out the reminding mode. The default goal step is 6000 steps. You can set it through the app.



♥ Sleeping Condition Monitor

You can wear the TicBand to sleep, it will monitor your sleeping condition. The sleeping data will upload to the app, you can check your sleeping condition on the app.

♥ Running Mode

The TicBand can identify whether the user is running or not automatically.

In the mode of heart rate detection, the TicBand can identify the user is running and turn on the heart rate detection. It will save a piece of heart rate and calorie data every minute. If the mode of heart rate detection is off, it only can identify the user is running, but won't start heart rate detection. It will only keep a piece of calorie data per 1 minute.

You can check running data, including running time, calorie, average heart rate, the maximum step frequency, average frequency, total steps, heart rate curve and calorie curve on the app.

Note: If there is no heart rate data, the app won't display heart rate curve.

♥ Troubleshooting

Problem	Root Cause	Solution
Abnormal measuring results: Huge difference between two recent measurement.	Incorrect portable fashion make the device has irregular shaking.	Use the correct portable fashion, avoid that the TicBand has irregular shaking.
	Less than 10 steps	Continue to walk more than 10 steps.
	Slide or wearing the slippers to walk.	Walk in a normal way.
No display on OLED when the device powers on.	The power is not enough.	Charge power in time.
Data transmission failed.	Bluetooth is OFF.	Turn ON the Bluetooth.
	The App is OFF.	Press the icon to turn ON your app.
	Out of range of Bluetooth transmission.	Place your device which supports the Bluetooth 4.0 technology close to the TicBand.

♥ Specifications

Product Name	TicBand
Dimension	Whole size: Approx. 250mm x 17 mm x 10.8 mm (including the wristband)
Weight	Approx. 22 g (including the wristband)
Display	White OLED V.A.:22.8mm x 6.8mm
Steps	0-120000 steps, division 1 step
Calories	0-12000.0 kcal, division 0.1 kcal
Distance	60.00 km
Heart rate	Range: 30 beat/min~200 beat/min, division 1 beat /min
Exercise Time	0-23 hours and 59 minutes, division 1 minute
Battery Grade	1-7 grade, division 1 grade
Running hour	When the battery is fully charged, it can be used about 5 days (heart rate function is open), or about 1 month (heart rate function is closed).
Power Source	3.8V / 75mAh polymer lithium battery
Working Environment	Temperature: 0°C to 40°C Relative Humidity: ≤90% RH Atmospheric Pressure: 80 kPa ~ 106 kPa
Storage Environment	Temperature: -20°C to 60°C Relative Humidity: ≤90% RH
Protection against ingress of water	IP68
Accessories	1. One Wrist Band 2. User Manual

WARNING: No modification of this equipment is allowed.

About the Accuracy of This Product

This product passes strict inspection before delivery and therefore its accuracy is guaranteed by the manufacturer. Please refer to the above table for the descriptions on accuracy.

♥ Maintenance

When carrying out usual maintenance, please ensure practice of the following Do's and Don'ts:

- DO use a dry soft cloth to wipe the dust.
- DO use a wet soft cloth, dipped into water and wrung out, to wipe the dirt. Then use a dry soft cloth to dry up the device.
- DON'T wash the device with water or immerse it in water.
- DON'T use propellant, abrasive or other chemicals to wipe the dirt in avoidance of discolor or malfunction.
- DON'T disassemble this device. If you have any problems, please contact Mobvoi (Please refer to [Warranty](#) for contact information)
- Charge the power once for every 3 months, or at least once for half a year, if the device is not likely to be used for a long time.

♥ Warranty

- Mobvoi warrants its products free of defects in materials and workmanship in normal use for a period of TWO years from the date of retail purchase.
- This warranty does NOT cover damages caused by misuse or abuse, including but not limited to:
 - Failure caused by unauthorized repairs or modifications;
 - Damage caused by shock or drop during transportation;
 - Failure caused by improper operation inconsistent with the instructions stated in this user manual;
 - Malfunction or damage from failure to provide the recommended maintenance;
 - Damage caused by improper use of power supply.

Please contact us if you experience any problems.

Customer Service: support@mobvoi.com

♥ Warning

While your TicBand is designed to be worn 24/7, its components are electronic and susceptible to damage if used improperly. Please read the safety guidelines on the following pages to ensure proper use and care.

♥ TicBand Care

- Do not expose your TicBand to liquid, moisture, humidity, or rain while charging. Exposure of the TicBand to moisture while charging could result in electric shock.
- Do not tamper with or abuse the TicBand. For example, without limitation, do not drop, disassemble, open, crush, excessively bend, deform, puncture, shred, microwave, incinerate, paint, or insert foreign objects into the TicBand.
- Do not use abrasive cleaners to clean your TicBand.
- Do not expose your TicBand to extremely high or low temperatures.
- Do not leave your TicBand near open flames such as cooking burners, candles, or fireplaces.
- Do not bring your TicBand into contact with any sharp objects. This could cause scratches and damage.
- Do not insert anything into your TicBand unless otherwise specified in the user instructions. This may damage the internal components.
- Do not attempt to repair, modify, or disassemble your TicBand; it does not contain any user-serviceable components.

♥ Built-in Battery Care

- Do not attempt to replace your TicBand's battery. It is built-in and not changeable.
- Only charge the battery in accordance with the user instructions supplied with the TicBand.
- Avoid charging your TicBand in extremely high or low temperatures.
- Do not wear your TicBand while you are charging it.
- Do not attempt to disassemble the TicBand or force open the built-in battery.
- Do not clean the TicBand when it is being charged. Always unplug the charger first before cleaning the TicBand.
- Do not dispose of your TicBand in a fire. The battery could explode causing injury or death.

♥ Health Disclaimer

WARNING: THIS TicBand IS NOT A MEDICAL DEVICE. The TicBand and its associated applications should not be used to diagnose, treat, or prevent any disease or medical condition. Always seek the advice of a qualified medical professional before making any changes to your exercise, sleep or nutrition, as doing so may cause severe harm or death.

♥ Other Notes

- Dispose of the TicBand, the TicBand's battery in accordance with local regulations. Do not dispose of the battery with regular household waste.
- Recycle your package in accordance with local regulations.

♥ Trademarks and Permissions

Bluetooth®

The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Shanghai Mobvoi Information Technology Company Limited is under license. Other trademarks and trade names are those of their respective owners.

♥ CE statements

Hereby, Shanghai Mobvoi Information Technology Company Limited, declares that this [TicBand,LS418-F] is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <https://en.ticstore.com/>

To comply with EU RF exposure requirements, the device should be used for wrist worn only. Other operating configurations should be avoided.

EU Frequency: 2.4-2.4835GHz
The maximum RF Power: <200mW

Manufacturer:
Shanghai Mobvoi Information Technology Company Limited
Address: Building 2-106, 1690 Cailun Road, China (Shanghai) free trade area

Importer:



RECYCLING: This product bears the selective sorting symbol for waste electrical and electronic equipment(WEEE). This means that this product must be handled pursuant to European Directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.

♥ FCC statements

FCC ID: 2AHEA-LS418F

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

♥ FCC RF exposure statement:

FCC RF Radiation Exposure Statement Caution: To maintain compliance with the FCC's RF exposure guidelines. The device must not be co-located or operating in conjunction with any other antenna or transmitter