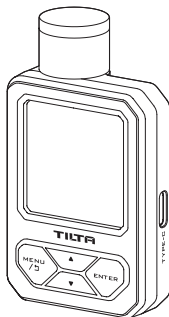


WIRELESS MONITORING MODULE FOR HYDRA ELECTRONIC SUCTION CUP

电动吸盘无线监视模块



TILTA

DISCLAIMER

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By using this product, you are deemed to have carefully read the disclaimer and warnings, understood, agreed, and accepted all the terms and content of this statement. You promise to take full responsibility for the use of this product and any consequences that may arise. You commit to using this product only for legitimate purposes and agree to these terms as well as any related regulations, policies, and guidelines set by TILTA.

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PACKING LIST



Wireless Monitoring Module for
Hydra Electronic Suction Cup×1

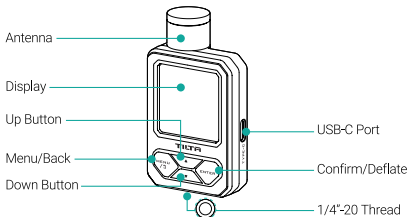


USB-A to USB-C Power Cable×1



User Guide ×1

OVERVIEW

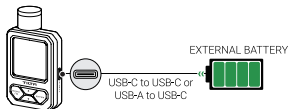


SPECIFICATIONS

- | | |
|------------------------------|--|
| • Net Weight: 38 g / 1.34 oz | • SKU: HDA-ESC-WMM |
| | • DIMENSIONS: 42.2×22.8×74 mm / 1.66×0.9×2.91 in |

HOW TO

01 POWER ON



The device powers on automatically once the battery is connected.

Start Up Video

02 [HOME] PAGE

CONT

The maximum number of suction cup connections is 12. In group mode, the indicator appears green, while in non-group mode, it appears gray.

SUCTION

Indicates the suction strength of the selected suction cup. It ranges from 0 to 100, with higher values indicating greater suction strength.



TRAY

Indicates the number of selected suction cups. When checked manually, the background appears green; when checked automatically, it appears gray.

BATTERY INFO

Indicates the battery level and charging status of the selected suction cup.

03 BUTTON FUNCTIONS AND INSTRUCTIONS



MENU / 5

Single Click:

(1) When on the [HOME] page, single click to enter the menu.

(2) When not on [HOME] page, single click to return to the previous page.

(3) On the deflation page, single click to exit the deflation status.

Click and Hold: When not on the [HOME] page, press and hold to return to [HOME] page.



ENTER

Single Click: Confirms or navigates to the next page.

Click and Hold: When the wireless monitoring module activates [RELEASE FUNCTION] while in [HOME] page, click and hold the [ENTER] button to start release status; click and hold [ENTER] button again to exit release status.



Single Click: Toggles upwards.

Double Click: When the wireless monitoring module's [SEARCH FUNCTION] is turned off, on the [HOME] page, double click the [UP] button to manually search for individual suction cup's status.

Click and Hold: Turn on or turn off [CONT] group function. (After [CONT] group function is turned on,) no new suction cups can be added.



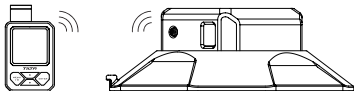
Single Click: Toggles downwards.

Double Click: When the wireless monitoring module's [SEARCH FUNCTION] is turned off, on the [HOME] page, double click the [DOWN] button to manually search for individual suction cup's status.

Click and Hold: Restart the device.

04 ALERT PROMPT

The wireless monitoring module and suction cup will connect automatically when powered on.



TIPS

- When the suction cup experiences anomalies such as signal loss, suction issues, or low battery, the system will automatically enter the ALERT PROMPT, with the screen flashing red and yellow, accompanied by vibration (can be disabled) and a buzzer alarm (can be disabled).
- Once the anomaly is resolved, the system will automatically return to the [HOME] page, and the vibration (can be disabled) and buzzer alarm (can be disabled) will stop.
- If the wireless monitoring module's [DEFLATION] function is enabled and the device is on the [HOME] page, long-pressing the [ENTER] button to initiate deflation will not trigger the alarm.

ALERT PROMPT (RED & YELLOW FLASHES)

Displays the number of abnormal suction cup

Single click the [ENTER] button to ignore the alert. The alert will not trigger again unless the device is restarted.



Abnormal item

Single click the [ENTER] button to pause the same alert for 1 minute.

 Signal loss, suction anomaly, low battery.



Single click the [MENU] button to enter the [MENU] page.



Single click the [ENTER] button to enter the [SUCTION] page.



Single click the [UP] ▲/[DOWN] ▼ buttons to select the suction strength. Single click the [ENTER] button to confirm and set the suction strength for an individual suction cup.

HIGH: 99%

MEDIUM: 95%

LOW: 90%



Single click the [ENTER] button to enter the [FUNCTION] page.



Single click the [ENTER] button to enable/disable [ALARM].



Single click the [ENTER] button to enter the [DEVICE] page.

[LANGUAGE]



Single click the [ENTER] button to enter the [LANGUAGE] page. Toggle [UP] ▲/[DOWN] ▼ buttons to switch between languages.



Initiate Deflation



1 Single click the [ENTER] button to enter the [DEFLATION] page.



2 When on [HOME] page, long-pressing the [ENTER] button will initiate deflation.



Turn Off Deflation



Single click or long press the [ENTER] button to end deflation.



[FACTORY RESET]



Single click the [ENTER] button to enter the [FACTORY RESET] page. Toggle the [UP] ▲/[DOWN] ▼ buttons to confirm whether to restore to factory settings.



FIRMWARE UPDATE

Contact Tilta official customer service for firmware update instructions (Tilta official website: www.tilta.com).

CAUTION

- To extend the device's lifespan, please avoid frequent power cycling.
- Place the wireless monitoring module in a dry, well-ventilated, and dust-free environment, away from direct sunlight and heat sources.
- Regularly clean the screen and casing with a soft dry cloth or specialized cleaning wipes to prevent dust and dirt from affecting display performance.
- Avoid strong impacts or collisions to prevent damage to internal components.
- Use only power cables and outlets that meet the specified requirements, and ensure a stable voltage. Unstable power sources may cause device malfunctions or damage.
- Regularly inspect the power cable, ports, and other components for any damage, and replace them promptly if needed.

WARRANTY

Dear Valued Customer,

Thank you for choosing Tilta products. Kindly retain your warranty card for future reference, repairs, or service as needed.

PRODUCT NAME _____

PRODUCT MODEL _____

REPAIR AND MAINTENANCE TERMS:

1. The mechanical and electronic components of this product are covered by a one-year warranty (excluding damage caused by user errors).
2. Any damage resulting from user errors, unauthorized disassembly, tampering with warranty seals, improper use, or repairs/modifications performed at non-Tilta authorized services is not covered under the warranty.
3. A valid warranty card must be presented for warranty service. If the card is not provided or has been altered without authorization, the company reserves the right to deny warranty service.
4. Unless otherwise required by law, incidental damages caused by product malfunctions will not be compensated. Shenzhen Tilta Technology Co., Ltd. reserves the right to interpret these terms.

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物品清单



电动吸盘无线监视模块 ×1

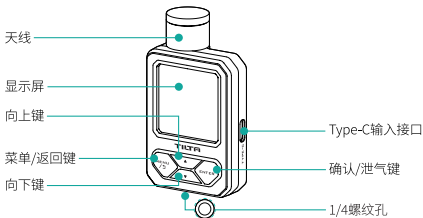


Type-A to C供电线 ×1



说明书 ×1

认识电动吸盘无线监视模块

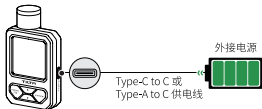


规格参数

- 型号: HDA-ESC-WMM
- 尺寸: 42.2×22.8×74mm
- 净重: 38g

使用介绍

01 开机



连接电源后自动开机



开机动画

02 【HOME】主页

CONT

吸盘连接数量，最大可同时连接12个；组队模式下为绿色，非组队模式下为灰色。

吸附力度

被查询吸盘吸力强度，0-100，数值越大吸附力度越强。



TRAY

被查询吸盘序号，手动查询背景为绿色，自动查询背景为灰色。

电池信息

被查询吸盘电池电量与充电状态显示

03 按键功能和操作指引



MENU / 5

单击:

- (1) 在【HOME】主页时, 单击进入菜单界面。
- (2) 当不在【HOME】主页时, 单击返回上一页面。
- (3) 在泄气状态页面下, 单击退出泄气状态。

长按: 当不在【HOME】主页时, 长按返回【HOME】主页。



ENTER

单击: 确认或进入下一页面

长按: 当无线监视模块开启【泄气功能】时, 在【HOME】主页下, 长按【ENTER】键进入泄气状态, 再次长按【ENTER】键可退出泄气状态。



单击: 向上

双击: 当无线监视模块关闭【查询功能】时, 在【HOME】主页下, 双击【向上】键进入手动查询单个吸盘状态。

长按: 开启或关闭【CONT】组队功能。(开启【CONT】组队功能后不再连接新的吸盘。)



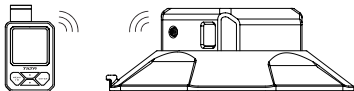
单击: 向下

双击: 当无线监视模块关闭【查询功能】时, 在【HOME】主页下, 双击【向下】键进入手动查询单个吸盘状态。

长按: 重启设备

04 报警页面提示

无线监视模块与吸盘开机后自动进行连接



⚠ 提示

- 当吸盘出现信号丢失、吸附、电量低的异常情况，会自动进入报警页面，报警时屏幕红黄闪烁，发出震动（可关闭）、蜂鸣器鸣叫（可关闭）提示。
- 异常消失后自动返回【HOME】主页，震动（可关闭）、蜂鸣器鸣叫（可关闭）停止提示。
- 当无线监视模块开启【泄气功能】且在【HOME】主页下，长按【ENTER】键进入泄气时，不会出现报警提示。

报警弹窗（红黄闪烁）

显示出现异常的
吸盘序号

单击【ENTER】键
可忽略报警，除
非设备重新启
动，否则不再报
警。



异常项

单击【ENTER】键
一分钟内忽略同
样报警

⚠ 信号丢失、吸附异常、电量低



单击【MENU】键进入【菜单界面】



单击【ENTER】键进入【吸力设置】界面



单击【向上】▲/【向下】▼键选择吸盘吸力, 单击【ENTER】键确认, 进行单个吸盘吸力设置。

强:99%
中:95%
弱:90%



单击【ENTER】键进入【功能设置】界面



单击【ENTER】键开启/关闭【报警提示】

开启泄气



1 单击【ENTER】键开启【泄气功能】



2 在【HOME】主页下, 长按【ENTER】键开启泄气。



关闭泄气



单击【MENU】键或长按【ENTER】键退出泄气



【语言设置】



单击【ENTER】键进入【设备信息】界面



单击【ENTER】键进入【语言设置】界面, 选择【向上】▲/【向下】▼键进行语言切换。



【恢复出厂设置】



单击【ENTER】键进入【恢复出厂设置】页面, 选择【向上】▲/【向下】▼键确认本设备是否恢复出厂设置。



固件更新

咨询铁头官方客服获取固件更新操作流程（TILTA官网：www.tilta.com）。

注意事项

- 避免频繁开关机，以延长设备使用寿命。
- 请将无线监视模块放置在干燥、通风、无尘的环境中，避免阳光直射或靠近热源。
- 定期使用柔软的干布或专用清洁纸清洁屏幕和外壳，避免灰尘和污垢影响显示效果。
- 避免使其受到强烈碰撞或冲击，以防内部元器件损坏。
- 请使用符合规格的电源线和插座，并确保电压稳定。不稳定的电源可能导致设备故障或损坏。
- 定期检查电源线、接口等部件是否完好，如有损坏请及时更换。

保修说明

敬爱的用户：感谢您选择TILTA的产品，请保存好您的保修卡，以便维修或需要时提供。

产品名称 _____

产品型号 _____

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扫码进入微信小程序

Scan the code to enter WeChat mini programs



扫码进入官网

Scan the QR code to enter Tilta website

更多操作说明请扫描图中二维码，输入相关产品型号，
获取产品电子版说明书。

For more operational instructions, please scan the QR code in
the image and enter the relevant product model to access the
electronic version of the user manual.