USER MANUAL

THERMALRIGHT®
low Temperature high Performance

FROZEN WARFRAME SE

CAUTION!!! All liquid coolers has probability of leaking, pleasefollow closely to instructions to install. ALWAYS check liquid coolerbefore installation. If there is anydefect or deformation to the cooler,please contactcustomer service immediately.

Customizable LCD Screen
High Performance Fan and Pump
Addressable RGB Lighting

REV:1.0

www.thermalright.com

用户手册

THERMALRIGHT®
low Temperature high Performance

FROZEN WARFRAME SE

注意！！！ 任何水冷都存在漏液风险，请谨慎按规定操作安装！安装前请对水冷外观进行详细检查。开箱检查如有外观变形请立即联系客服进行确认！

水冷专用的高性能PWM风扇
配备高扬程 高性能水泵
新型大面积冷排

REV:1.0

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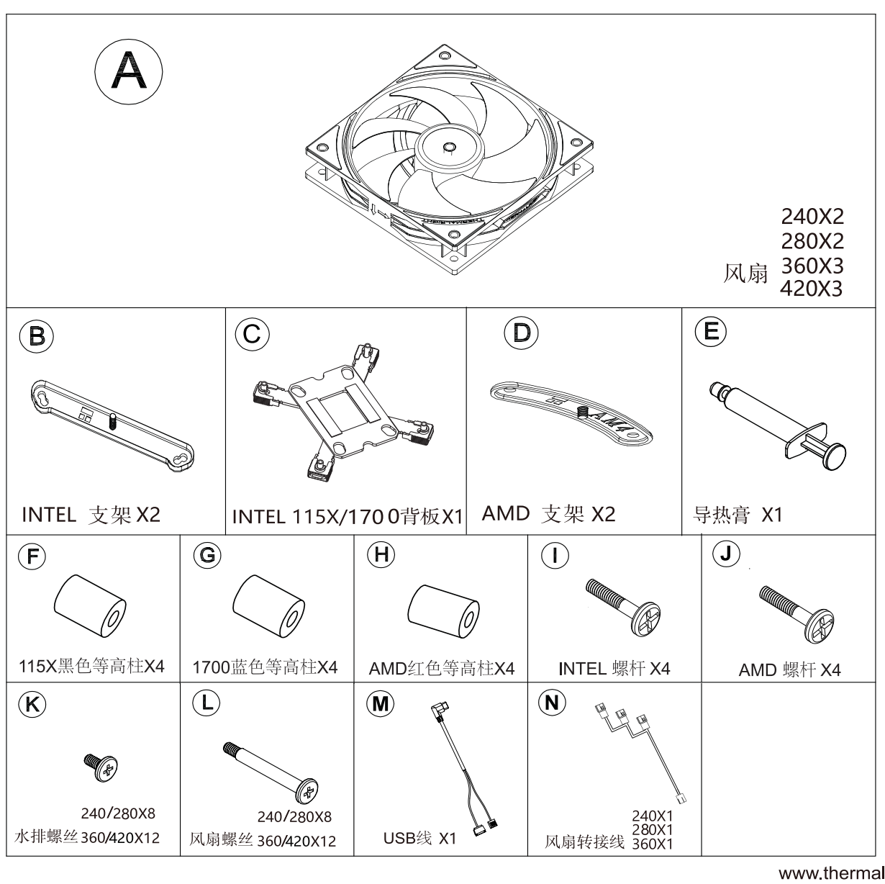
附件清单


A
风扇 240X2 280X2 360X3 420X3
B INTEL 支架 X2
C INTEL 115X/1700背板X1
D AMD 支架 X2
E 导热膏 X1
F 115X黑色等高柱X4
G 1700蓝色等高柱X4
H AMD红色等高柱X4
I INTEL 螺杆 X4
J AMD 螺杆 X4
K 水排螺丝 240/280X8 360/420X12
L 风扇螺丝 240/280X8 360/420X12
M USB线 X1
N 风扇转接线 240X1 280X1 360X1

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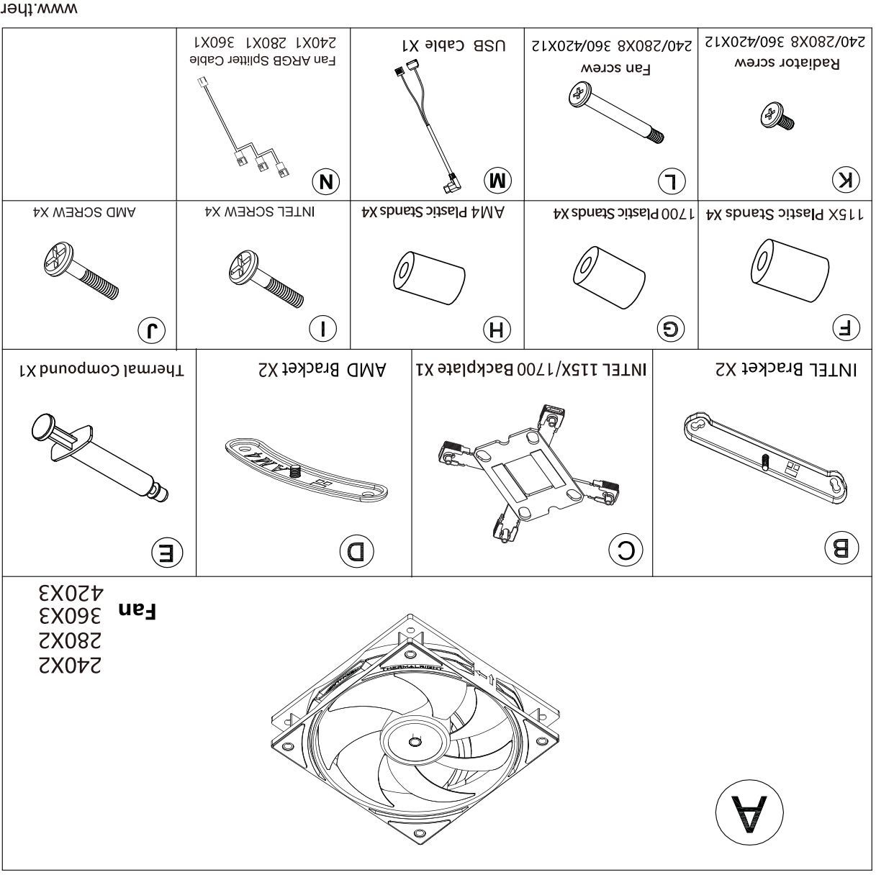
Components


A
Fan 240X2 280X2 360X3 420X3
B INTEL Bracket X2
C INTEL 115X/1700 Backplate X1
D AMD Bracket X2
E Thermal Compound X1
F 115X Plastic Stands X4
G 1700 Plastic Stands X4
H AM4 Plastic Stands X4
I INTEL SCREW X4
J AMD SCREW X4
K Radiator screw 240/280X8 360/420X12
L Fan screw 240/280X8 360/420X12
M USB Cable X1
N Fan ARGB Splitter Cable 240X1 280X1 360X1

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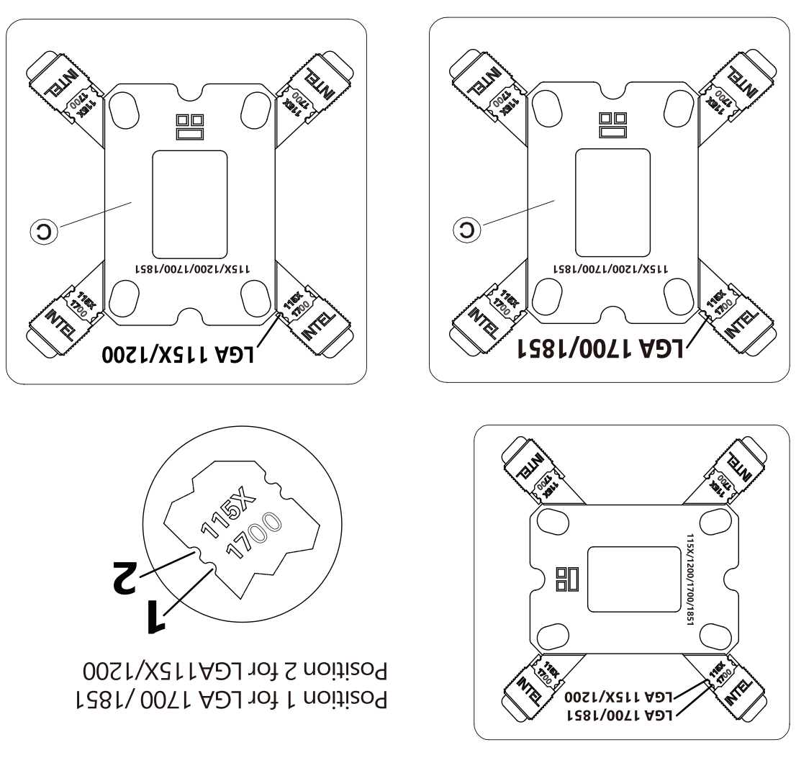
INTEL LGA 115X/1700 Adjust intel backplate


LGA 1700/1851
LGA 115X/1200
115X/1200/1700/1851
INTEL
C
1
2
115X
1700

Position 1 for LGA 1700 /1851
Position 2 for LGA115X/1200

Adjust backplate screws position to your motherboard

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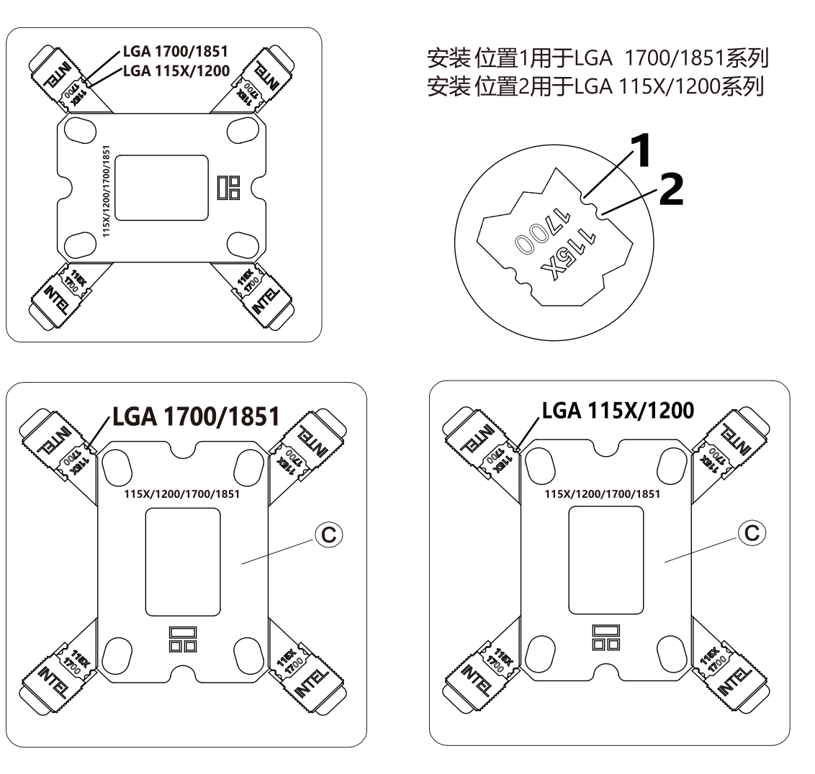
INTEL LGA 115X/1700安装背板


LGA 1700/1851
LGA 115X/1200
115X/1200/1700/1851
INTEL
C
1
2
115X
1700

安装位置1用于LGA 1700/1851系列
安装位置2用于LGA 115X/1200系列

将螺柱调整到对应主板所需的位置

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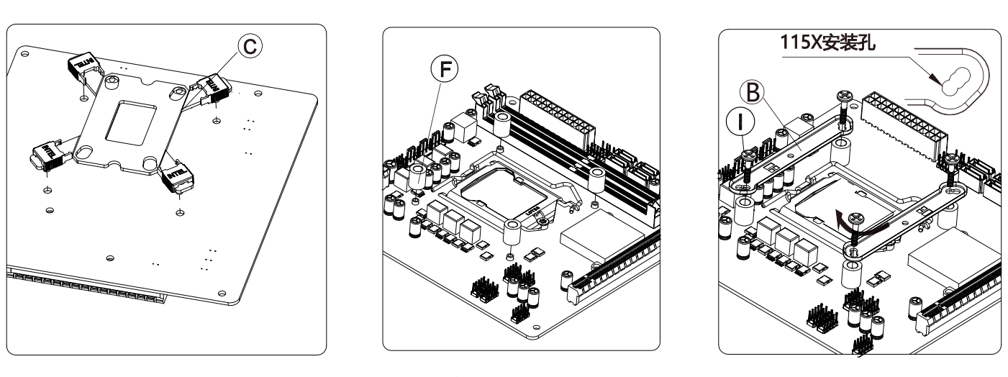
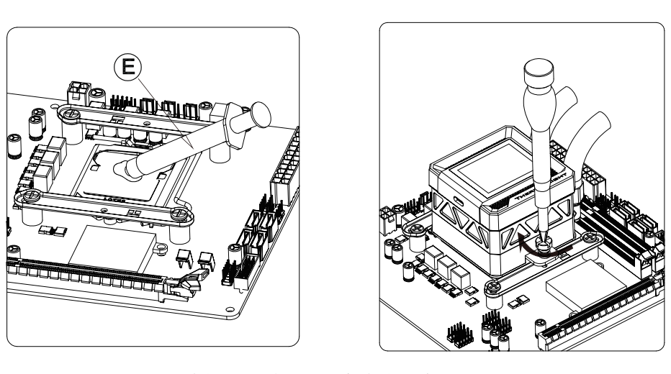
INTEL LGA115X/1200安装


C
F
115X安装孔
B
I

撕掉背板贴膜，将背板的4个螺柱穿过LGA115X孔，固定在主板背面然后正面放置115X黑色等高柱和INTEL支架，再用INTEL螺杆固定INTEL支架。



涂好导热膏，然后将冷头压在CPU上，
将压杆扣具螺杆用螺丝刀锁紧。

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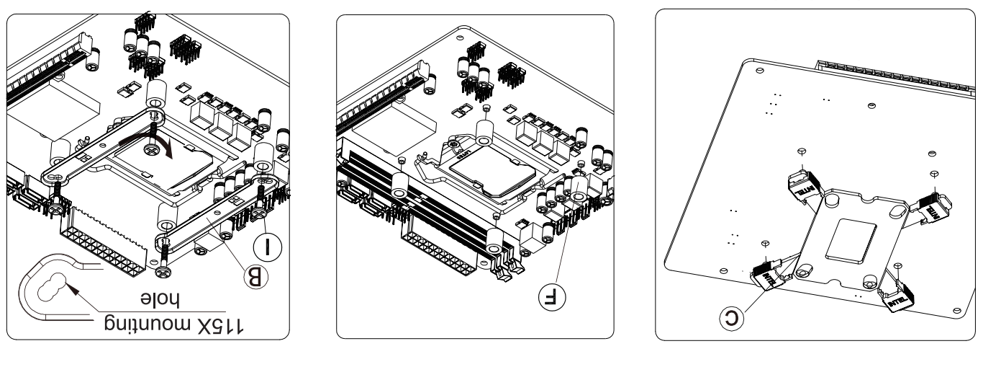
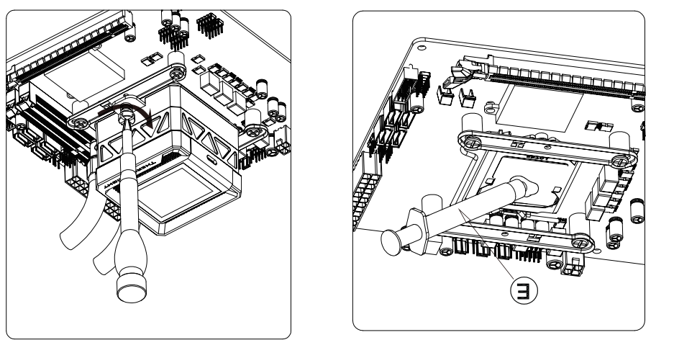
INTEL LGA115X/1200 Installation


C
F
115X mounting hole
B
I

Install intel backplate from back side of motherboard

Install four 115X standoffs through backplate screws from front side of motherboard

Install two Intel brackets on standoffs , secure brackets with four screws.



Apply thermal compound on CPU IHS.

Secure waterblock on CPU with two nuts on waterblock bracket

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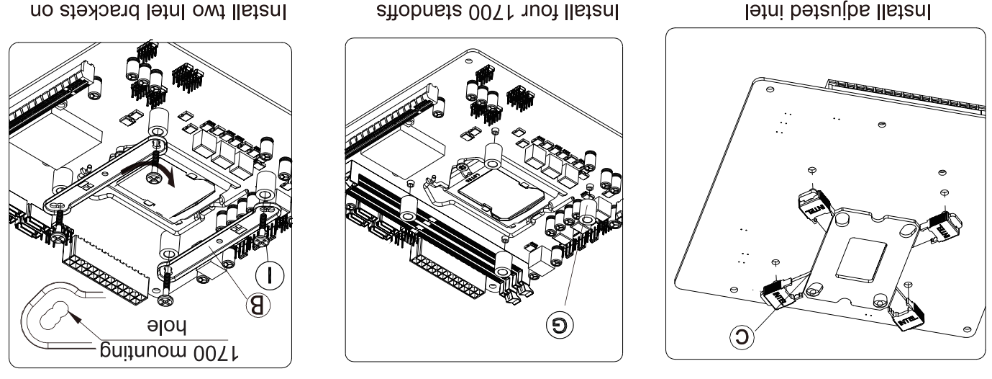
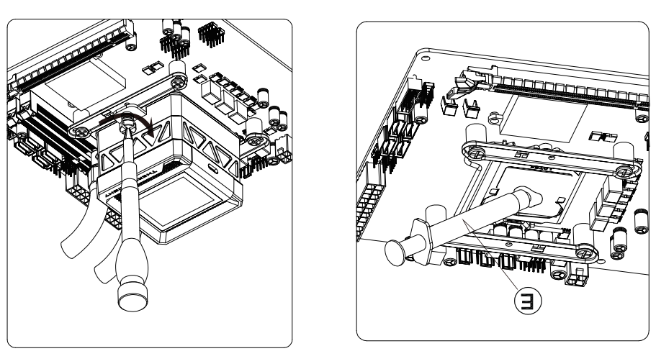
INTEL LGA1700/1851 Installation


C
G
1700 mounting hole
B
I

Install adjusted intel backplate from back side of motherboard

Install four 1700 standoffs through backplate screws from front side of motherboard

Install two Intel brackets on standoffs , secure brackets with four screws.



Apply thermal compound on CPU IHS.

Secure waterblock on CPU with two nuts on waterblock bracket

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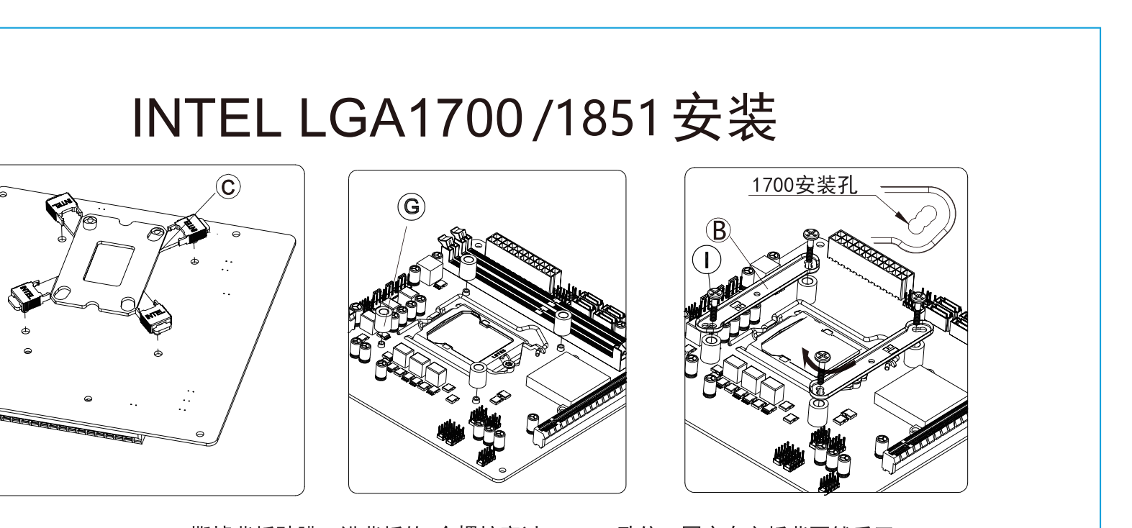
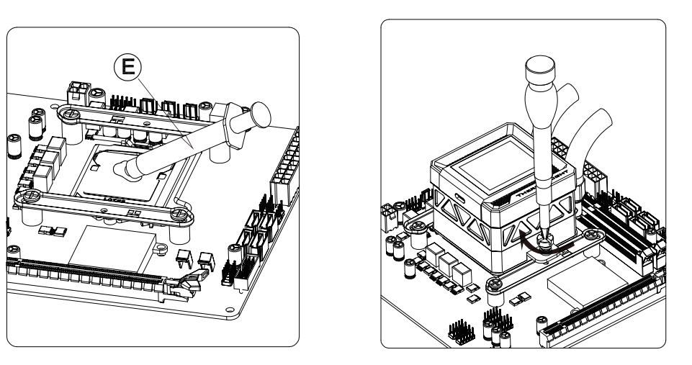
INTEL LGA1700/1851安装


C
G
1700安装孔
B
I

撕掉背板贴膜，讲背板的4个螺柱穿过LGA1700孔位，固定在主板背面然后正面位置放置1700蓝色等高柱和INTEL支架，再用INTEL螺杆固定INTEL支架。



涂好导热膏，然后将冷头压在CPU上，
将压杆扣具螺杆用螺丝刀锁紧。

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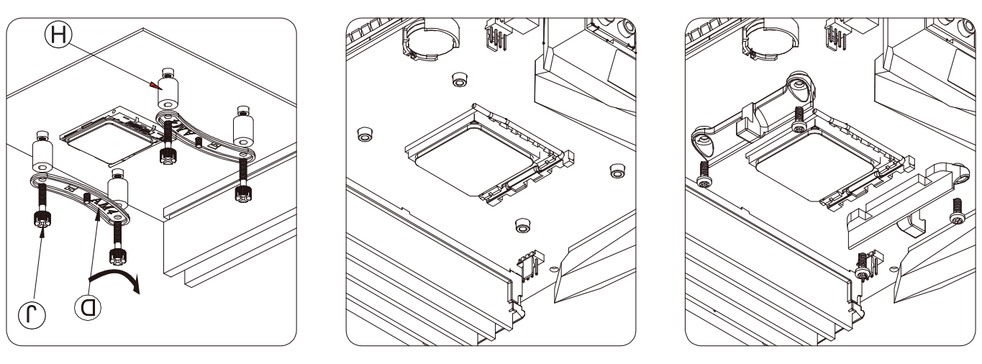
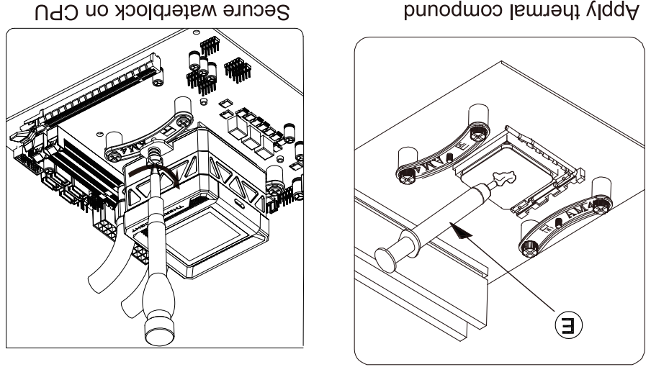
AMD AM4/AM5 Installation



Remove factory CPU brackets and screws, KEEP the backplate

Install four AM4/AM5 standoffs on backplate screws.

Secure two AM4/AM5 brackets with four AM4/AM5 screws.



Apply thermal compound on CPU IHS.

Secure waterblock on CPU with two nuts on waterblock bracket

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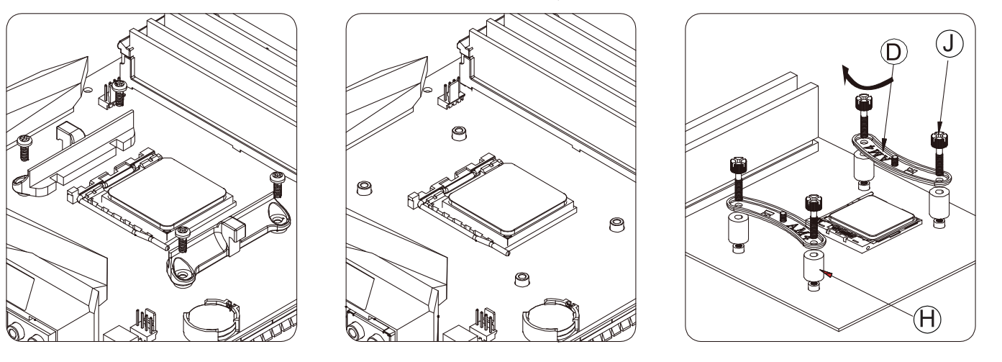
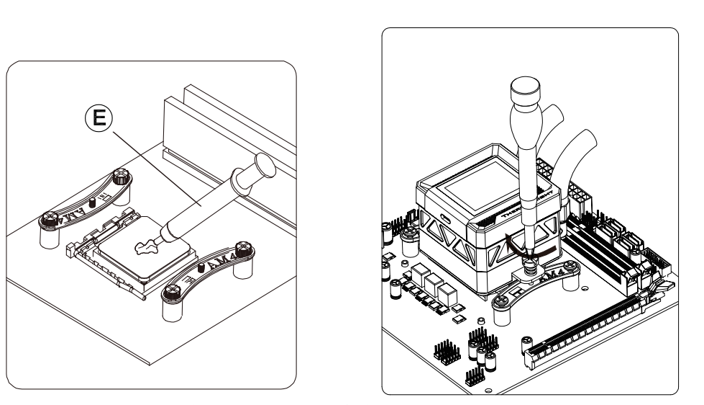
AMD AM4/AM5安装



移除AMD原装塑胶支架，保留背板，使用AM4螺丝将AMD支架固定到背板



涂好导热膏，然后将冷头压在CPU上，
将压杆扣具螺杆用螺丝刀锁紧...

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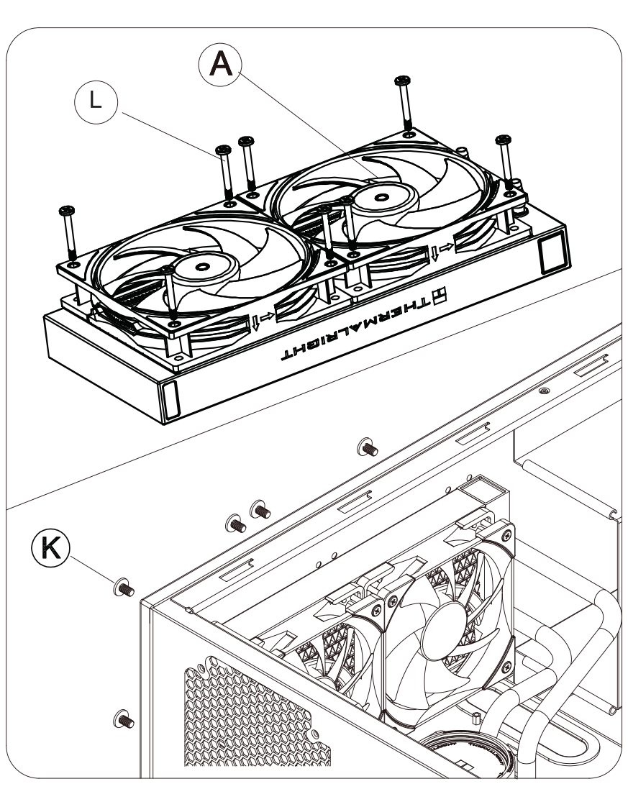
风扇与冷排安装


L
A
K
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使用风扇螺丝，将风扇固定在水排上；

使用水排螺丝，将水排固定在机箱上。

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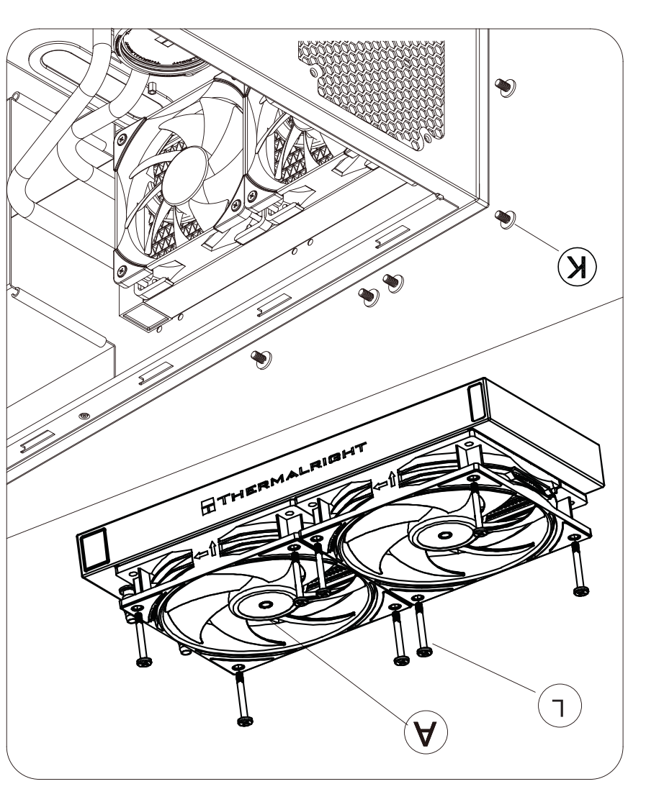
Fan&Radiator Mounting


A
L
K
THERMALRIGHT

Use long fan mounting screws to install fans on the radiator.

Use short radiator mounting screws to install radiator to the case.

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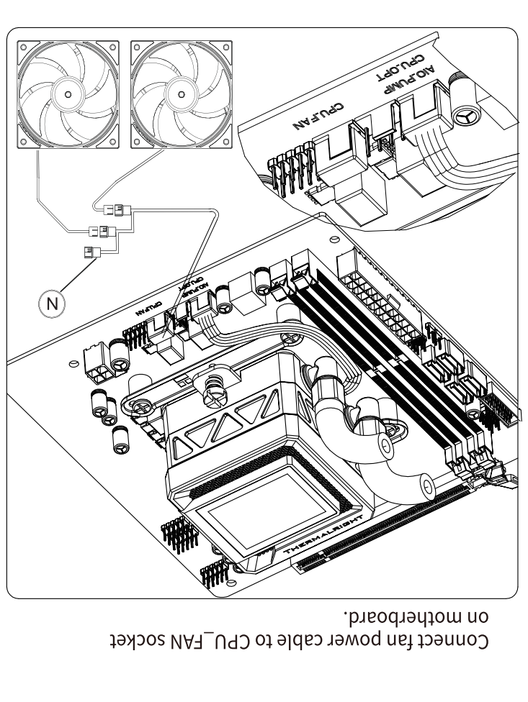
Waterblock/Fan Guide

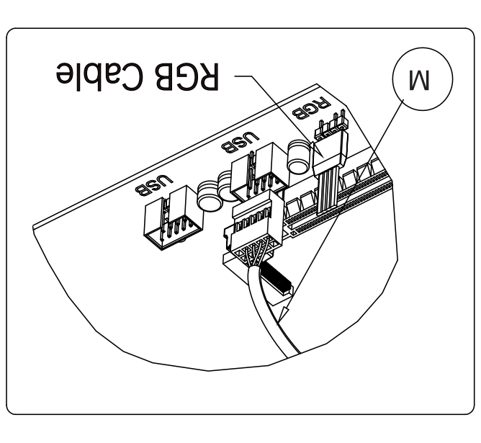
■ Connect the waterblock pump power cable to CPU_OPT or AIO PUMP socket on motherboard.

Connect fan power cable to CPU_FAN socket on motherboard.


N
AIO_PUMP
CPU_OPT
CPU_FAN

Connect waterblock to motherboard 9 pin USB socket with USB cable.

Connect FAN to motherboard 5V 3 pin socket with RGB cable.


M
RGB Cable
RGB
USB
USB

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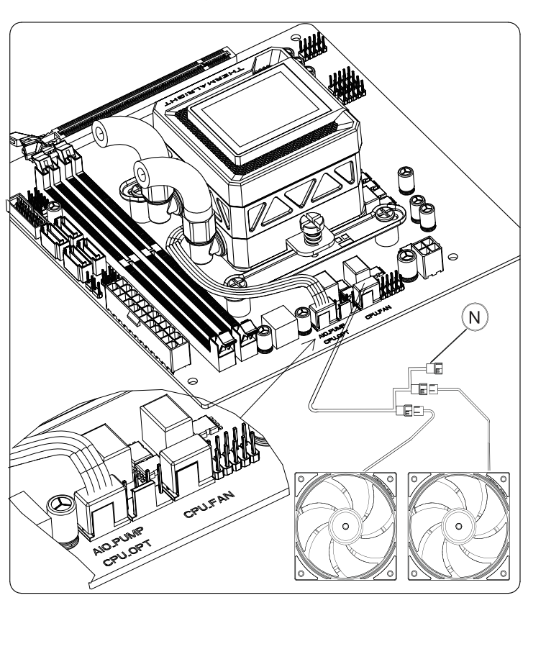
冷头/风扇使用说明

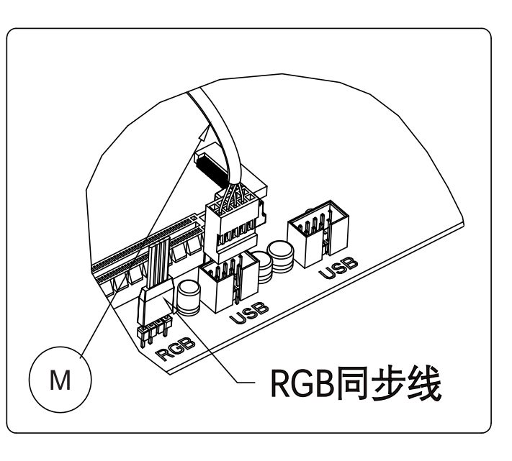
■ 在主板上安装供电线和RGB线

将冷头供电线接在主板CPU OPT或者AIO PUMP接口。
风扇供电线接在主板CPU_FAN接口。


N
AIO_PUMP
CPU_OPT
CPU_FAN
THERMALRIGHT

将USB线TYPE C接口接到冷头的TYPE C接口，
再将USB线9针杜邦头接到主板9针USB接口。

将风扇RGB神光同步线3针接口接到主板5V3针接口，
通过主板软件来控制风扇的RGB灯效。


M
RGB
USB
USB
RGB同步线

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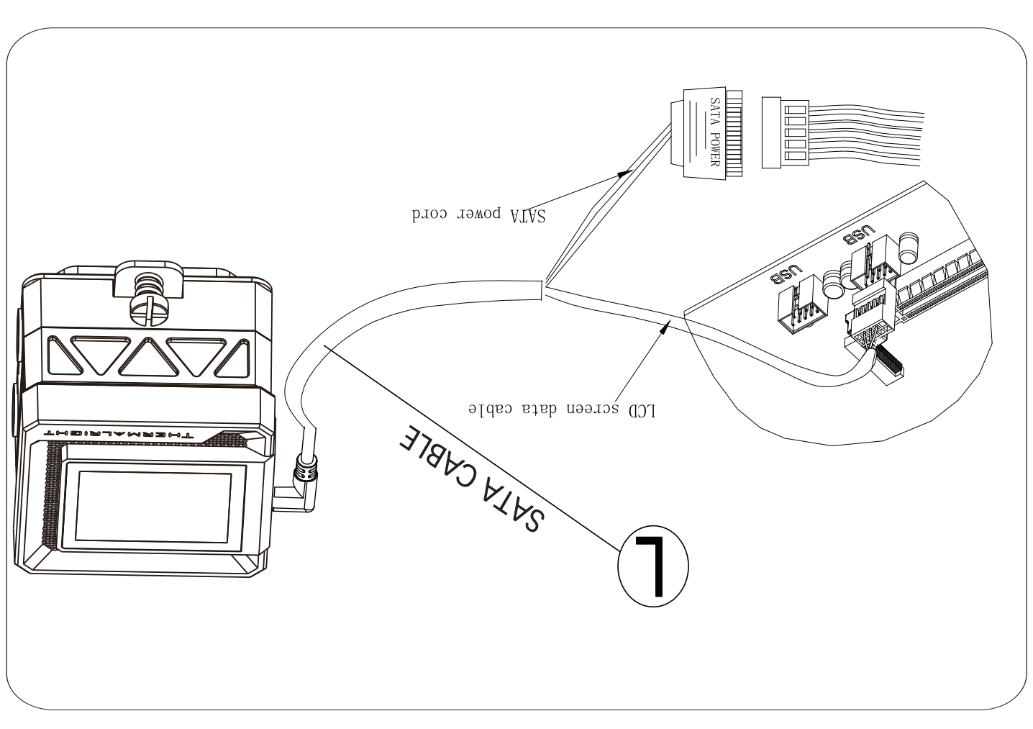
LCD screen wiring

Connect screen power cable to SATA socket on power supply.Connect 9 pin USB cable to 9 pin USB socket on motherboard.


L
SATA CABLE
LCD screen data cable
SATA power cord
SATA POWER
USB
USB

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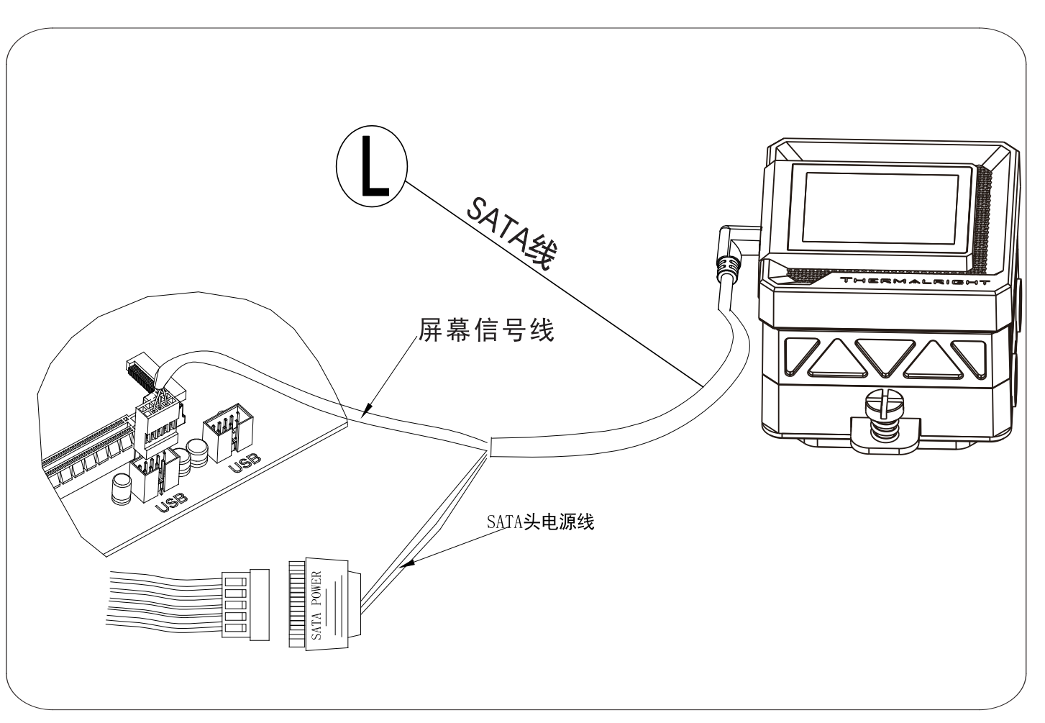
屏幕接线

屏幕供电线接到电源SATA接口，数据传输线接到主板USB2.0的9针接口


L
SATA线
屏幕信号线
SATA头电源线
SATA POWER
USB
USB
THERMALRIGHT

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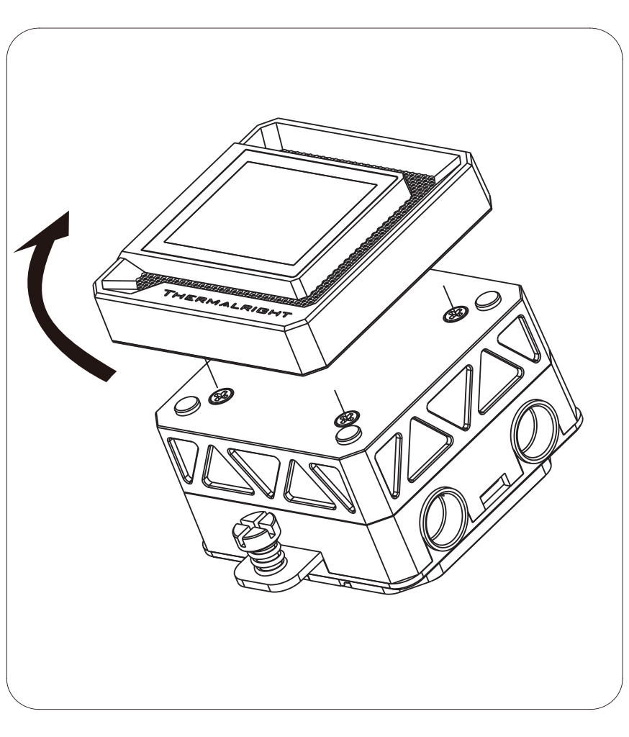
冷头上盖操作说明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冷头屏幕磁吸设计，可360°切换

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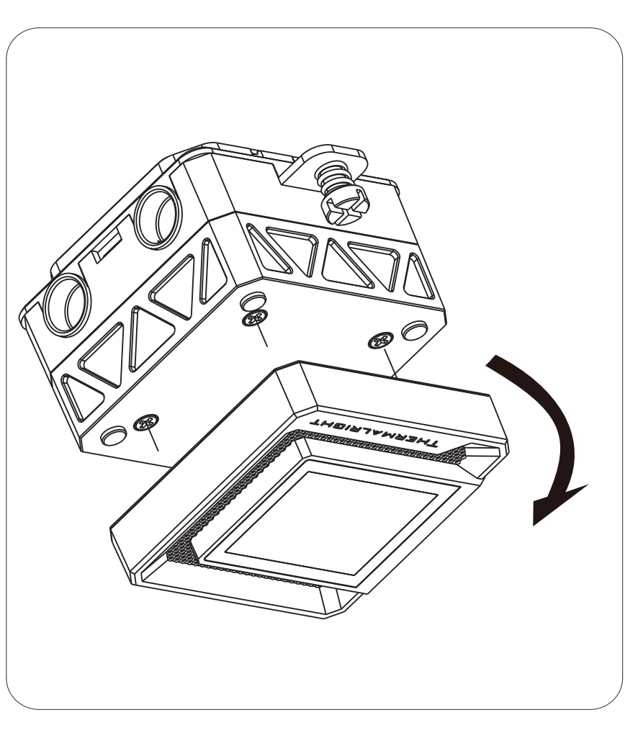
Rotate waterblock panel.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Magnetic Waterblock Panel can be adjusted to four directions.

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FROZEN WARFRAME DISPLAY USER GUIDE

1.Check 9 pin USB cable connection between waterblock and motherboard before installing.

2.Download software at:
https://www.thermalright.com/support/download/
Unzip setup file and start install by double click setup.

3.After install completed, double click shortcut icon on desktop to run software.

4.All functions on LCD are controlled by software, and software will auto start at OS boot. Please do not exit the program.

5.For unknown error, restart the display by re-plug USB cable on waterblock.

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FROZEN WARFRAME 系列水冷液晶屏控制软件说明

1.液晶屏供电由电源SATA头提供，数据通信传输由主板9针USB接口提供
软件安装前请确认接线完整

2.软件可在官网下载
https://www.thermalright.com.cn/support/download/
解压并双击安装程序安装

3.桌面双击 软件快捷方式图标运行软件

4.本液晶屏的实时数据监控/数据传输/开启关闭等等功能均由软件控制。安装完成默认随电脑开机启动，并在任务栏常驻后台，请勿关闭/强制退出。

5.如遇到未知不可控情况，可拔插冷头上Type-C接口进行硬件重启

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产品保修卡

用户姓名：________________
联系电话：________________
产品名称：________________
产品型号：________________
购买日期：________________

尊敬的用户：

感谢您选择使用 Thermalright 散热系列产品，为了能真正享受三包售后权利，请您仔细阅读本保修卡内容：

本公司出品之散热器产品在正常使用的情况下发生故障，客户可以在原购买经销网点联系出示此保修卡，即可享受本公司所提供之三包服务，并享有工厂所承诺提供5年免费维修服务；（客户未注明购买日期及凭证者，以产品出厂日期为准），此保修卡为质保的唯一凭证，请用户妥善保存。

以下情况不实行三包售后服务：

1.不能出示此保修卡，并提供购买发票及凭证者
2.购买讯息有涂改痕迹或与产品不符合者
3.由于用户不当使用造成的损坏，如液体注入，外力受损等
4.由于环境因素、或者不可抗力因素造成的产品损害
5.用户自行拆卸、修理或由第三方非指定维修站点修理
6.使用环境不符合国家有关规定，如3C认证规定等
7.出现其他不符合三包售后相关规定的情况者
8.超过三包有效期限的，或不符合产品质保服务范围者
9.未按产品使用说明的要求使用、维护、保管而造成的损坏者
10.对于维修服务中更换下来的零件，均不交还用户，敬请谅解
11.本保修卡中内容如有与国家规定不符之处，以国家规定为准

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邮编：23145

出厂合格证
检验人员：Stan
生产日期：见产品包装

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