USER MANUAL

THERMALRIGHT®
low Temperature high Performance

FROZEN WARFRAME

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 Pump
Addressable RGB Lighting

REV:1.5 NO FAN

www.thermalright.com

用户手册

THERMALRIGHT®
low Temperature high Performance

FROZEN WARFRAME

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！

配备高扬程 高性能水泵
新型大面积冷排

REV:1.5 无风扇版

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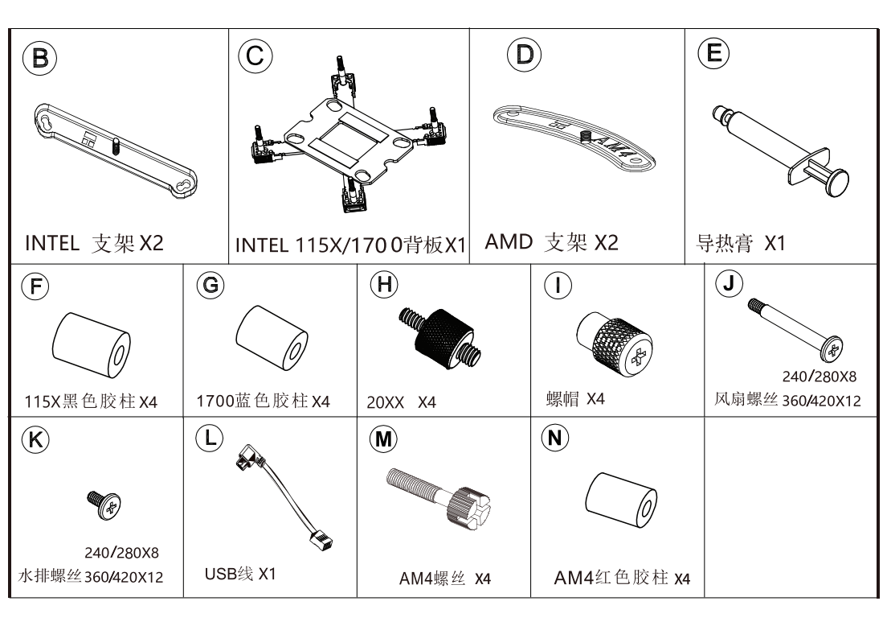
附件清单


B
INTEL 支架 X2
C
INTEL 115X/1700背板X1
D
AMD 支架 X2
E
导热膏 X1
F
115X黑色胶柱 X4
G
1700蓝色胶柱 X4
H
20XX X4
I
螺帽 X4
J
240/280X8
风扇螺丝 360/420X12
K
240/280X8
水排螺丝 360/420X12
L
USB线 X1
M
AM4螺丝 X4
N
AM4红色胶柱 X4

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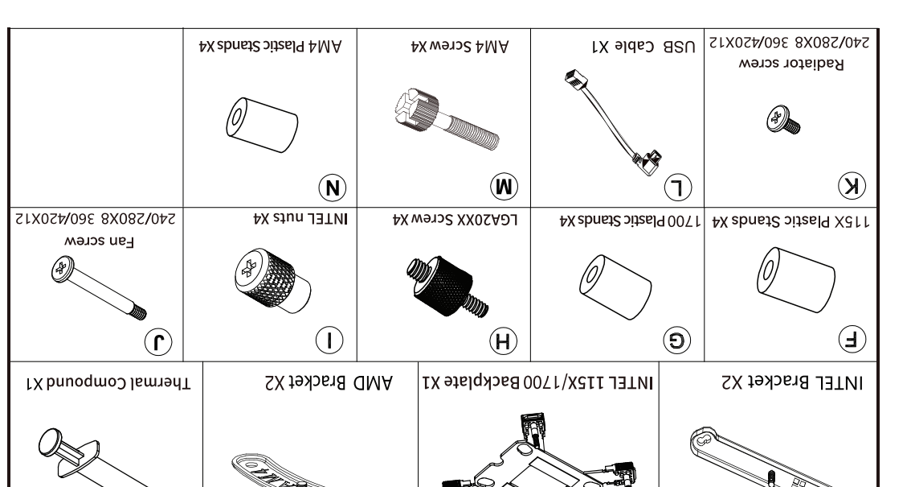
Components


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
LGA20XX Screw X4
I
INTEL nuts X4
J
240/280X8 360/420X12
Fan screw
K
240/280X8 360/420X12
Radiator screw
L
USB Cable X1
M
AM4 Screw X4
N
AM4 Plastic Stands X4

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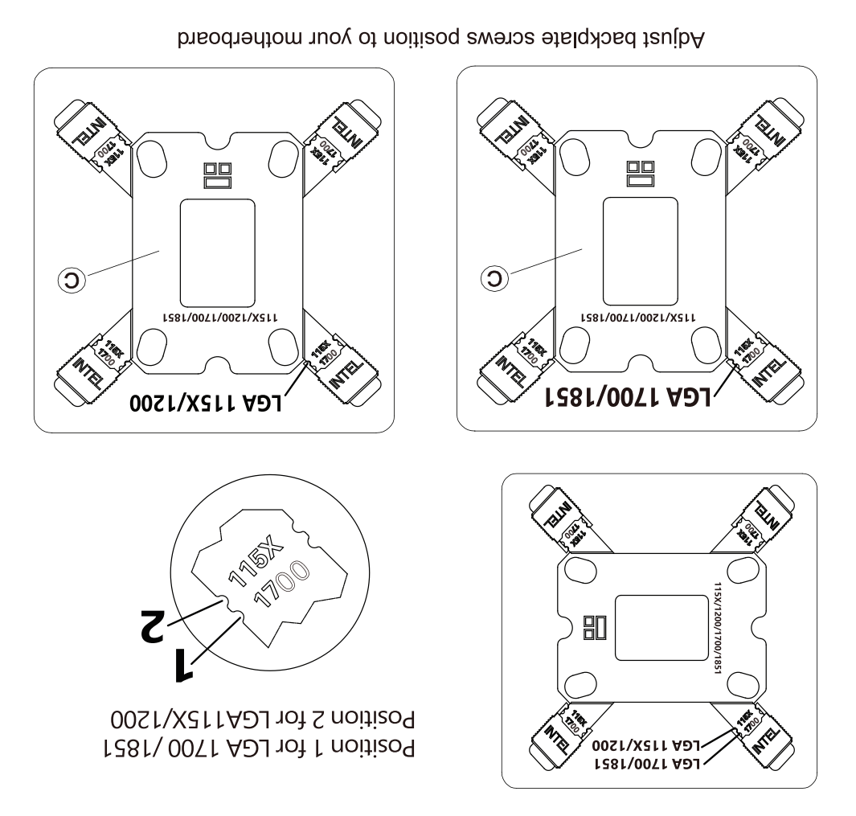
INTEL LGA 115X/1700 Adjust intel backplate


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

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

Adjust backplate screws position to your motherboard

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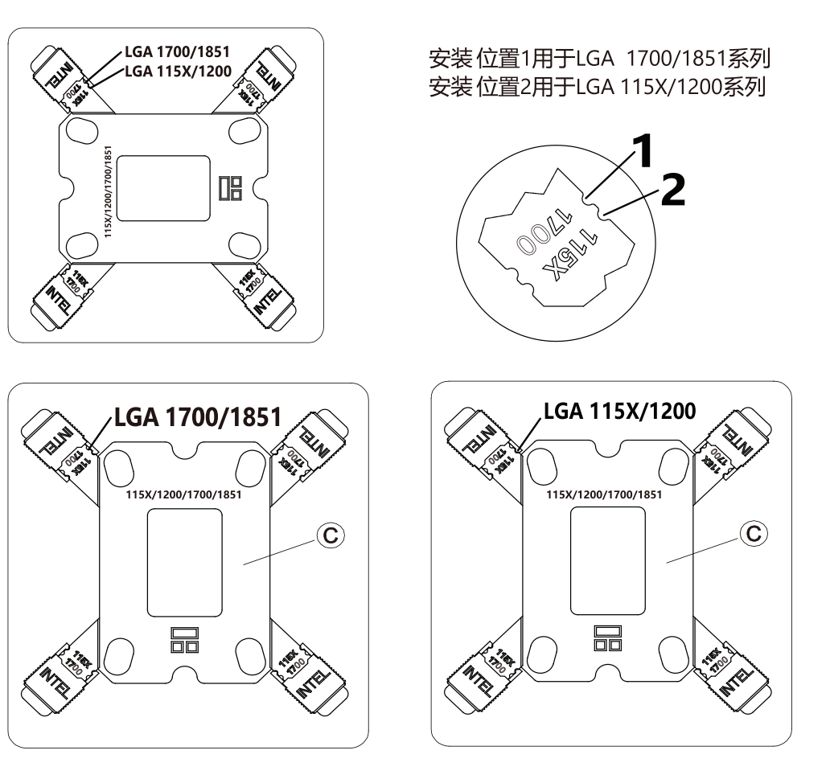
INTEL LGA 115X/1700安装背板


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

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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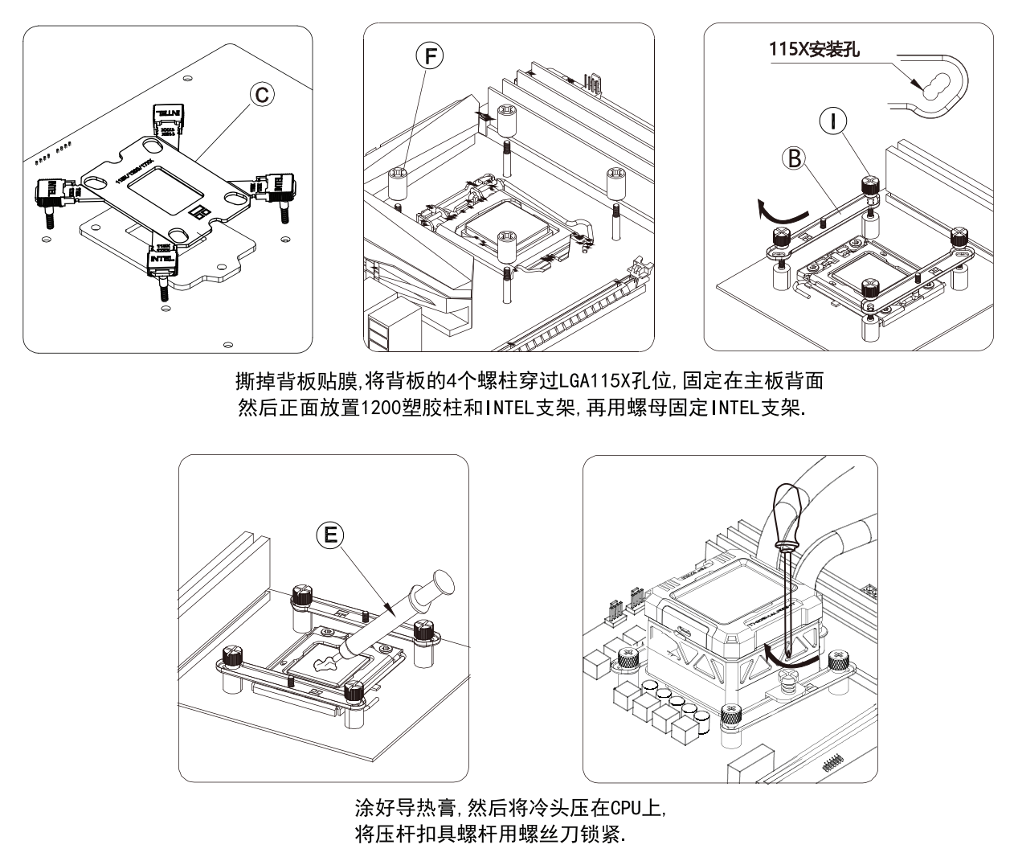
INTEL LGA115X/1200安装


C
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115X安装孔
I
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E

撕掉背板贴膜，将背板的4个螺柱穿过LGA115X孔位，固定在主板背面
然后正面放置1200塑胶柱和INTEL支架，再用螺母固定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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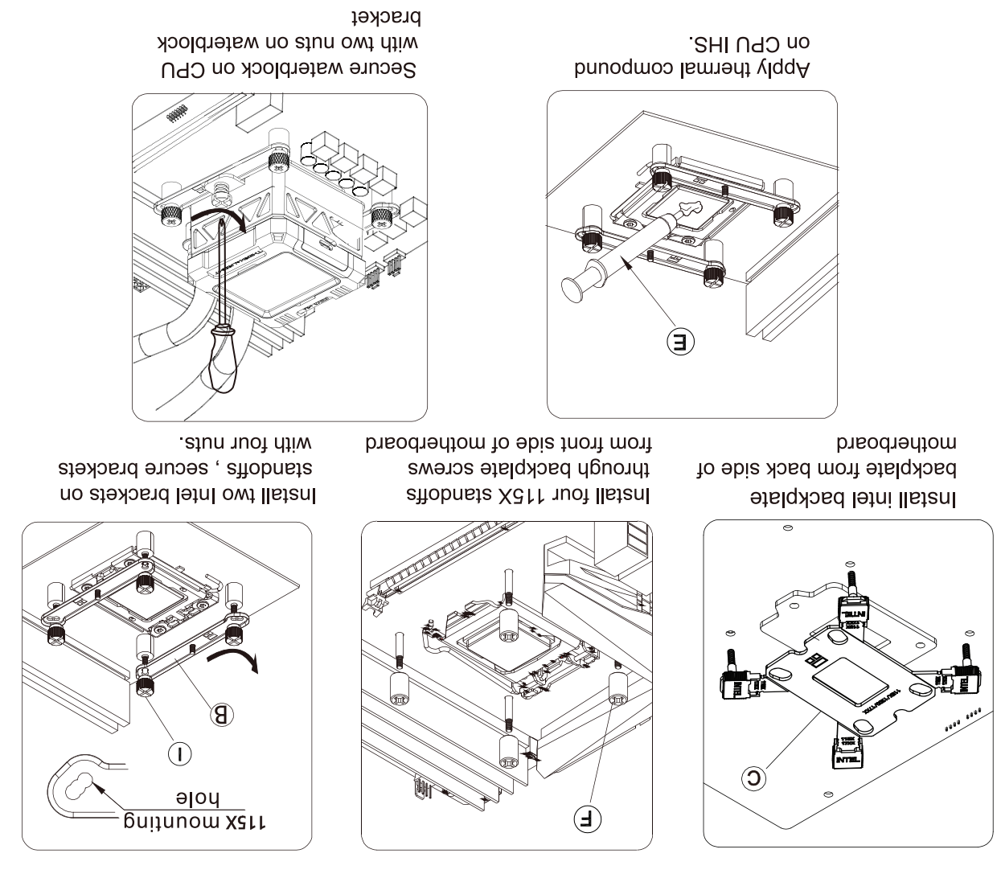
INTEL LGA115X/1200 Installation


C
F
115X mounting hole
I
B
E

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 nuts.

Apply thermal compound on CPU IHS.

Secure waterblock on CPU with two nuts on waterblock bracket

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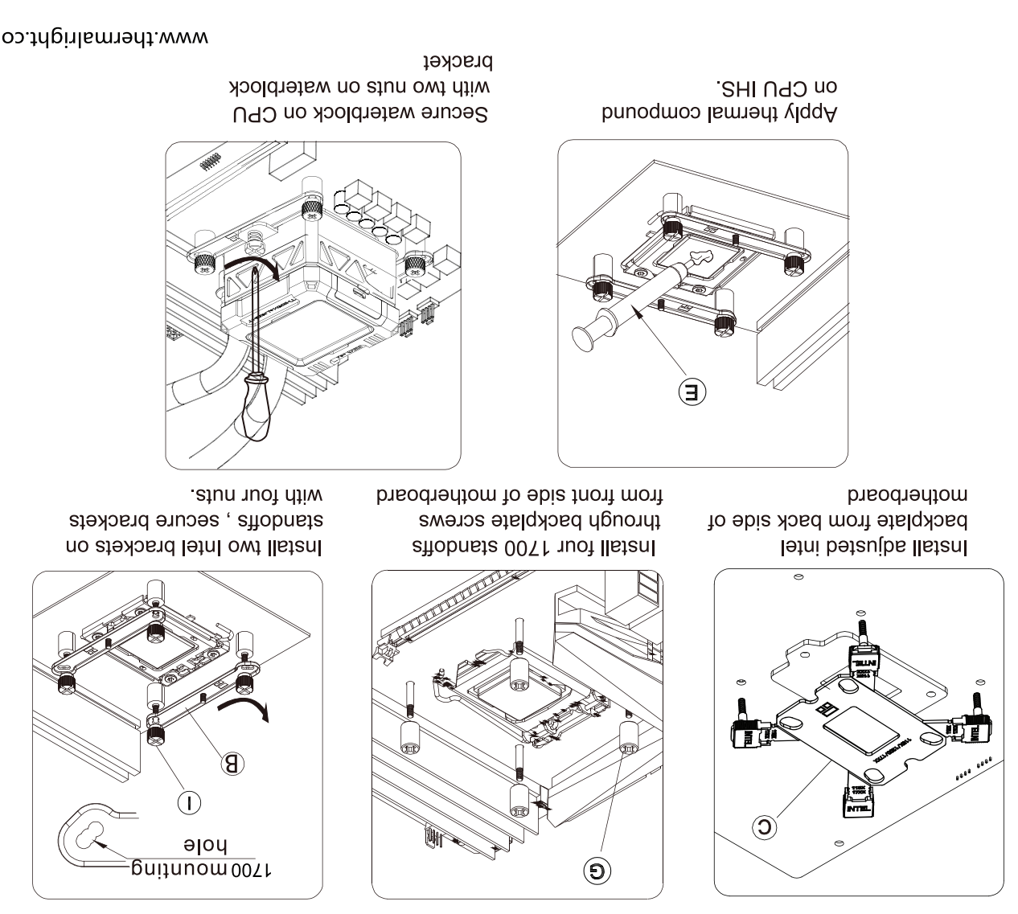
INTEL LGA1700/1851 Installation


C
G
1700 mounting hole
I
B
E

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 nuts.

Apply thermal compound on CPU IHS.

Secure waterblock on CPU with two nuts on waterblock bracket

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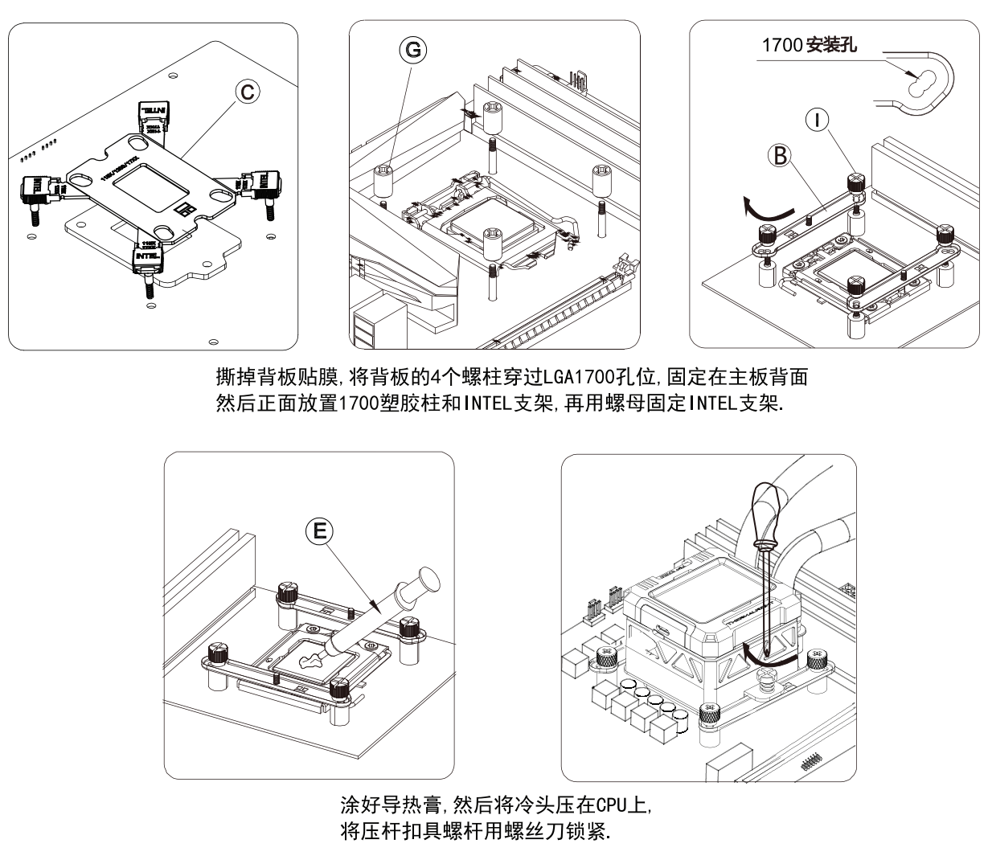
INTEL LGA1700/1851安装


C
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1700安装孔
I
B
E

撕掉背板贴膜，将背板的4个螺柱穿过LGA1700孔位，固定在主板背面
然后正面放置1700塑胶柱和INTEL支架，再用螺母固定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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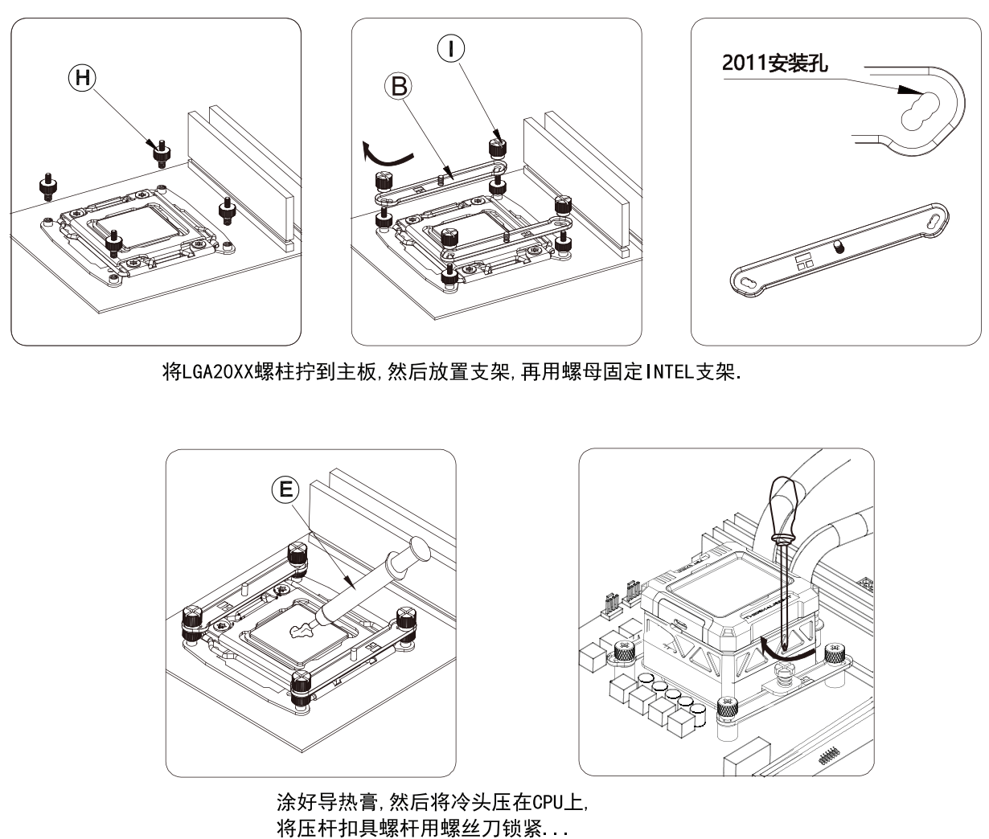
INTEL LGA20XX 安装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I
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2011安装孔
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将LGA20XX螺柱拧到主板，然后放置支架，再用螺母固定INTEL支架。

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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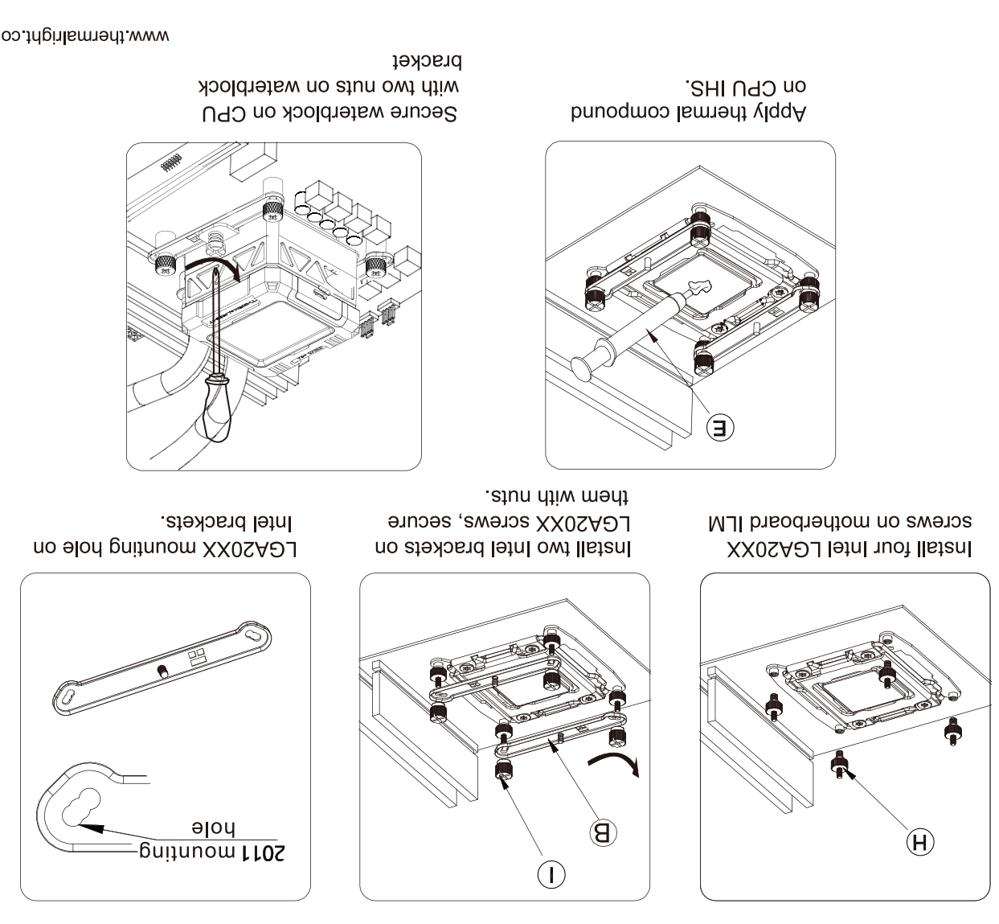
INTEL LGA20XX Installation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2011 mounting hole
E

Install four Intel LGA20XX screws on motherboard ILM

Install two Intel brackets on LGA20XX screws, secure them with nuts.

LGA20XX mounting hole on Intel brackets.

Apply thermal compound on CPU IHS.

Secure waterblock on CPU with two nuts on waterblock bracket

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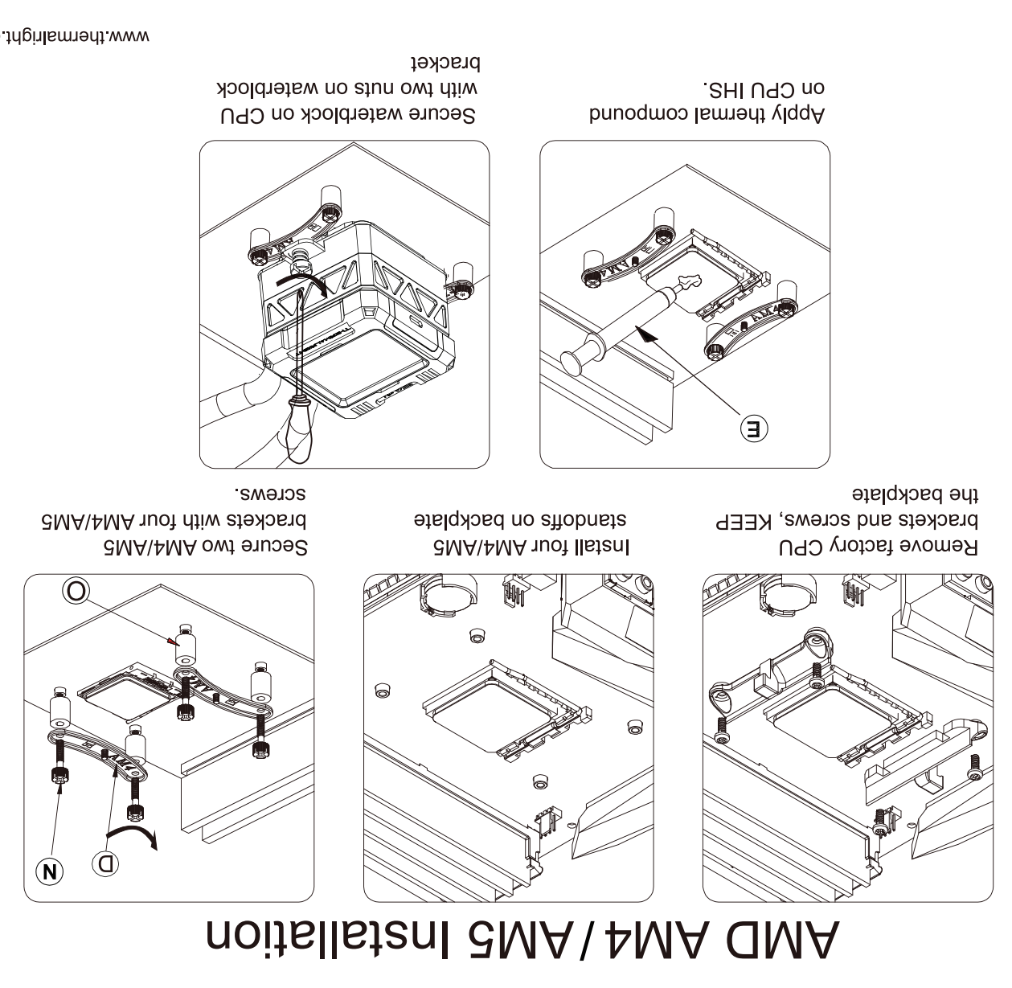
AMD AM4/AM5 Installation



Remove factory CPU brackets and screws, KEEP the backplate

Install four AM4/AM5 standoffs on backplate

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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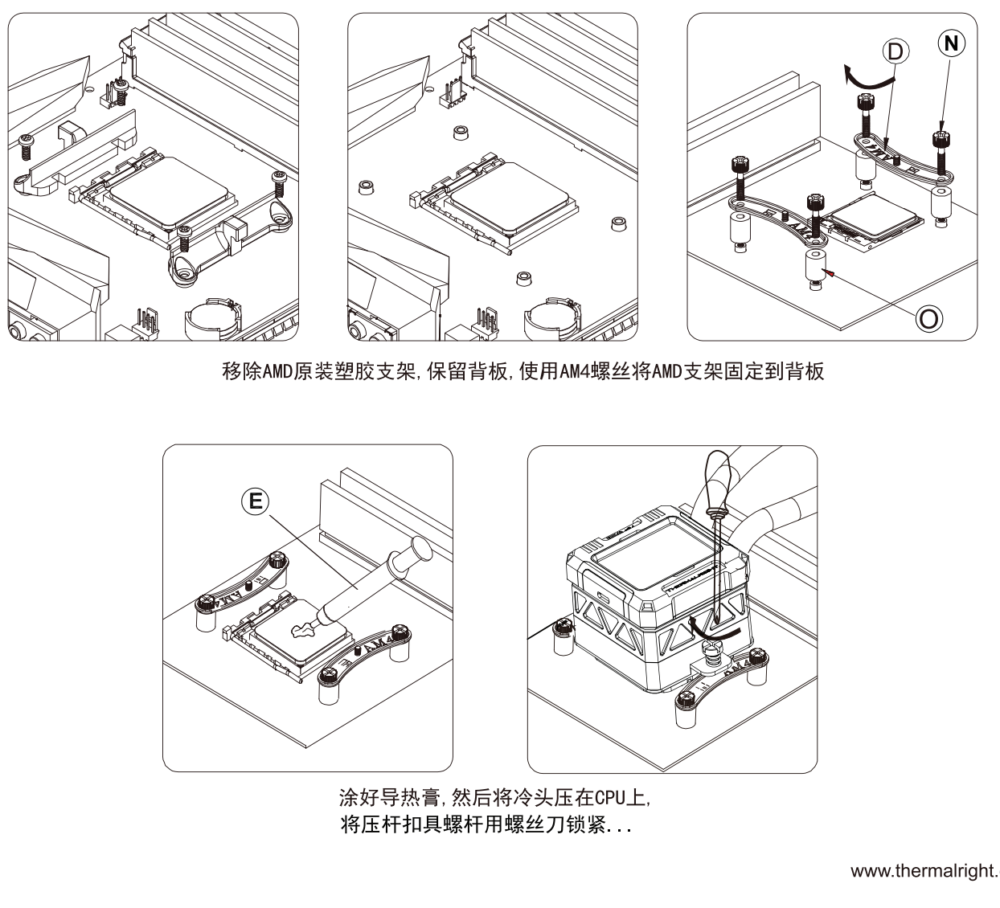
AMD AM4/AM5 安装



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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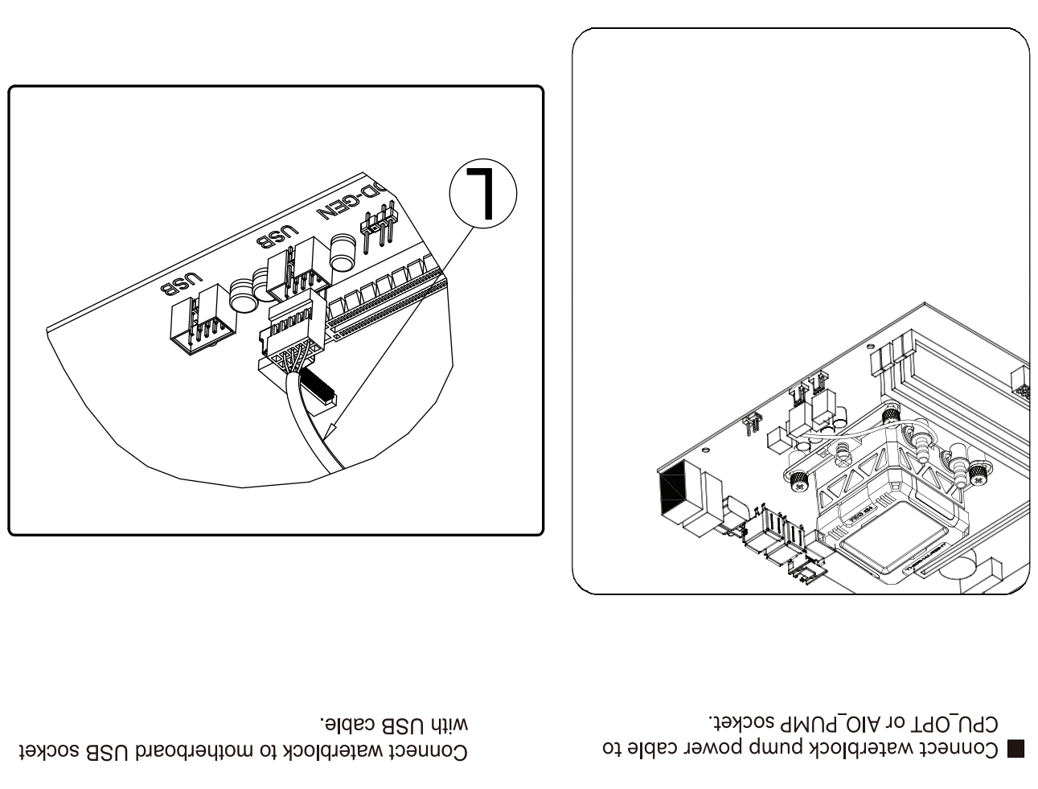
Connect LCD Screen


L
USB
USB
RGB-GEN

■ Connect waterblock pump power cable to CPU_OPT or AIO_PUMP socket.

Connect waterblock to motherboard USB socket with USB cable.

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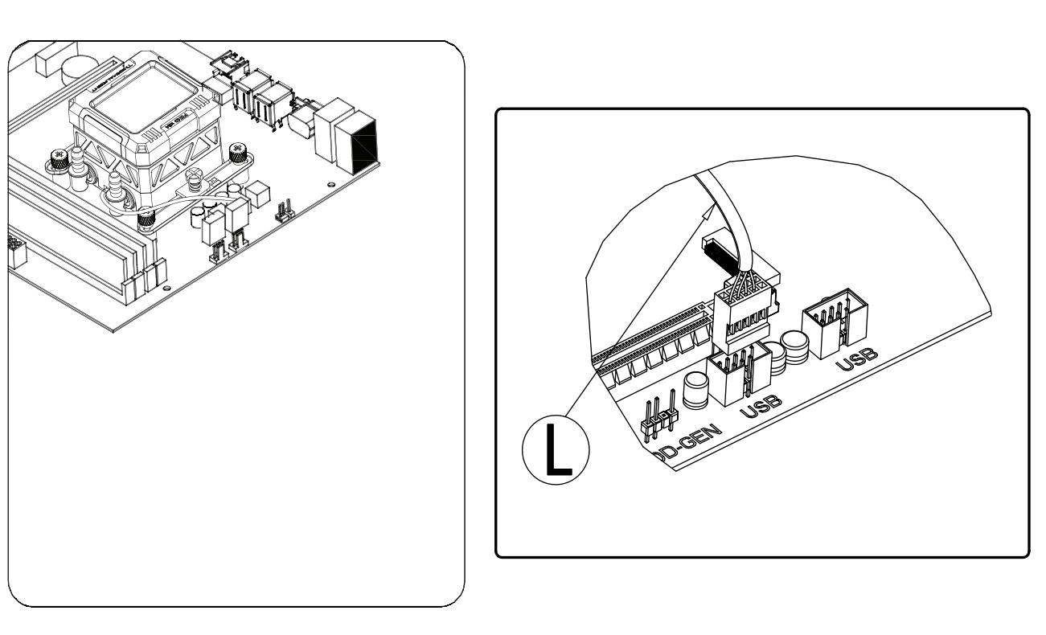
冷头使用说明

■ 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。

将USB线Type-C接口接到冷头Type-C接口，
再将USB接口接到 主板USB接口。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USB
USB
RGB-GEN

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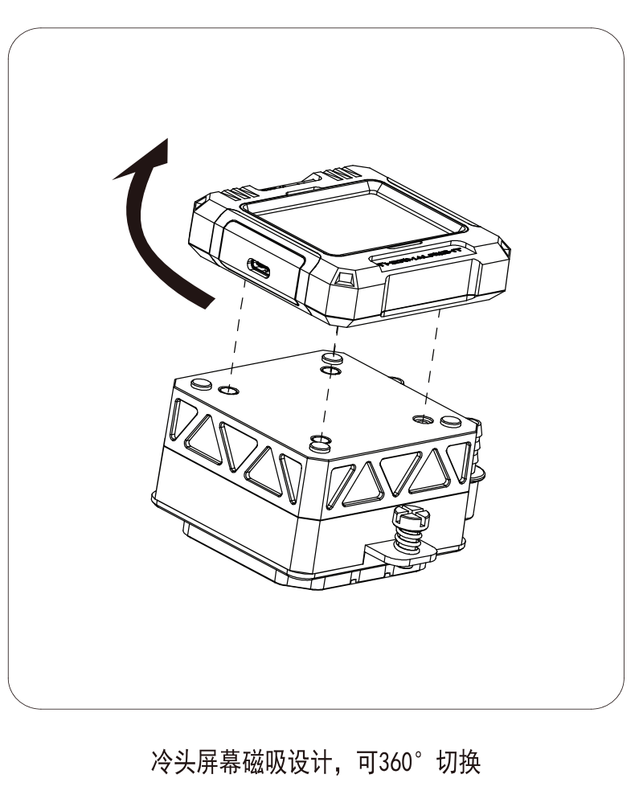
冷头上盖操作说明



冷头屏幕磁吸设计，可360°切换

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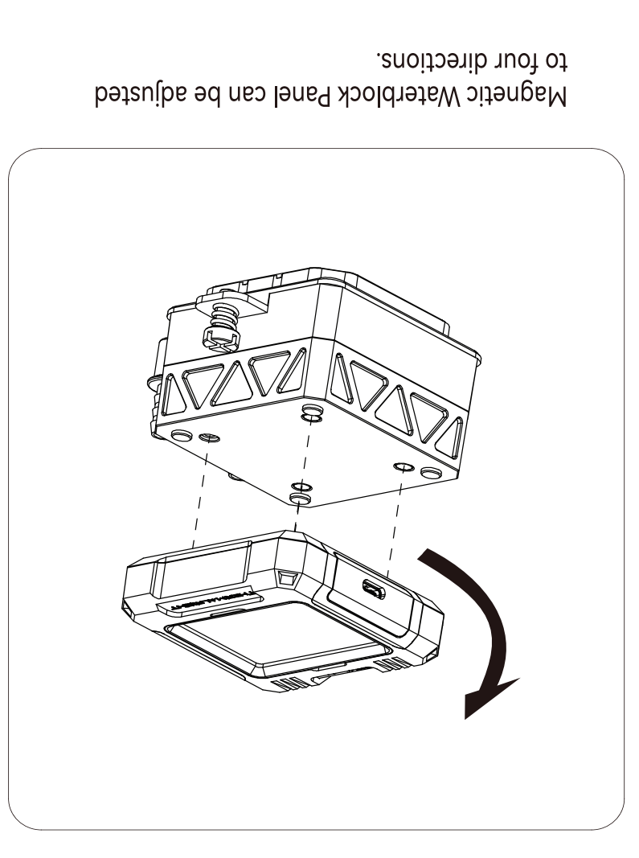
Rotate waterblock panel.



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BSATA头提供，数据通信传输由主板9针US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：

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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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索摩樂科技有限公司
新北市新店區寶興路45巷8弄3號6F
电话：（02）29155123
邮箱：support@thermalright.com
邮编：23145

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检验人员：Stan
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