

THIS MANUAL IS FOR THE FOLLOWING MODELS

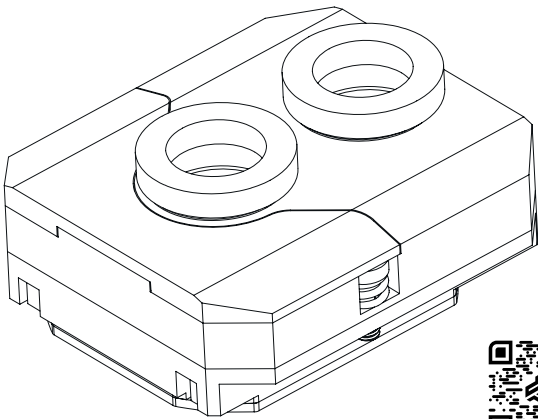
Dieses Handbuch gilt für die folgenden Modelle | Ce manuel concerne les modèles suivants | Este manual es para los siguientes modelos | 此手册适用于以下型号

PH-GEF_CPU450_DBK Glacier EZ-Fit 450CPU | Black
PH-GEF_CPU450_DWT Glacier EZ-Fit 450CPU | White

Legenda

Legende | Légende | Leyenda | 说明

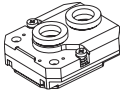
Remove | Entfernen | Retirer | Eliminar | 拆除
Install | Installieren | Installer | Instalar | 安装



- EN Phanteks will not take responsibility for any damages incurred due to incorrect installation or usage of this product.
- DE Phanteks übernimmt keine Verantwortung für Schäden, die durch eine falsche Installation oder Verwendung dieses Produkts entstehen.
- FR Phanteks décline toute responsabilité en cas de dommages résultant d'une installation ou d'une utilisation incorrecte de ce produit.
- ES Phanteks no se responsabilizará de los daños ocasionados por la instalación o el uso incorrectos de este producto.
- CN Phanteks 不会承担因用户安装失误造成的任何损失, 请仔细阅读本说明书。

SCOPE OF DELIVERY

Lieferumfang | Contenu de la livraison | Alcance de la entrega | 供货范围

	Thumb Screw x4		D-RGB Cable x1		Mounting Bracket (Intel) x2		Insert x3
	Intel-standoff x4		D-RGB Motherboard Adapter x1		Mounting Bracket (AMD) x2		Top Cover x1
	AMD-standoff x4		Thermal Paste x1		Intel-backplate x1		CPU Block x1

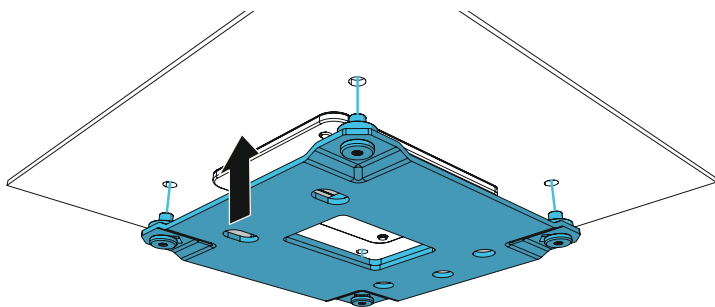
GLACIER EZ-FIT 450CPU

PREPARE INTEL SOCKET

Bereiten Sie den Intel-Sockel vor | préparer le socket Intel | preparar el zócalo de Intel | 準備 INTEL 插槽

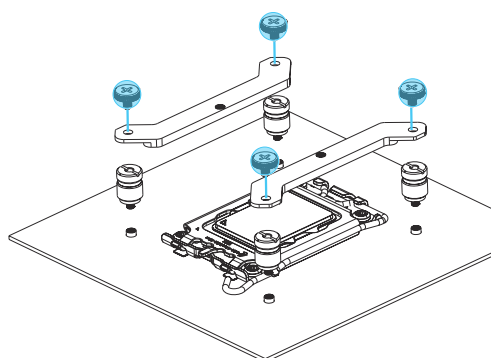
01 INTEL-INSTALL BACKPLATE

INTEL-INSTALL BACKPLATE | PLAQUE ARRIÈRE D'INSTALLATION INTEL | PLACA POSTERIOR DE INSTALACIÓN INTEL | INTEL- 安裝背板

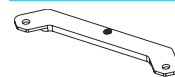


02 INTEL-SECURE STAND-OFFS / BRACKET

INTEL-SECURE ABSTANDSSTÜCKE/HALTERUNG | ÉTANCHES / SUPPORT INTEL-SECURE | SEPARADORES / SOPORTE INTEL-SECURE | INTEL- 安裝支柱 & 支架



Mounting Bracket 2x



Thumb Screw 4x



Intel-standoff 4x

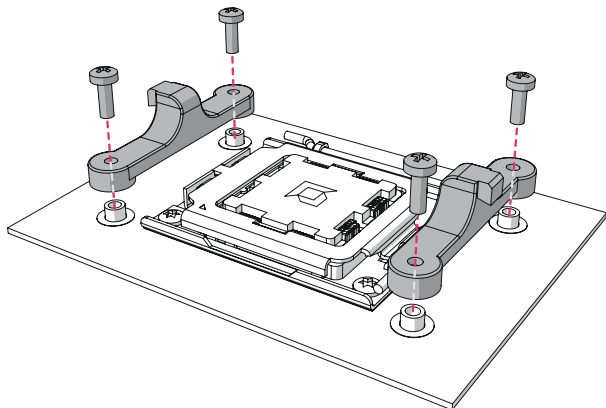


PREPARE AMD SOCKET

Bereiten Sie den AMD-Sockel vor | préparer le socket AMD | preparar el zócalo AMD | 准备 AMD 插槽

01 AMD-REMOVE BRACKETS

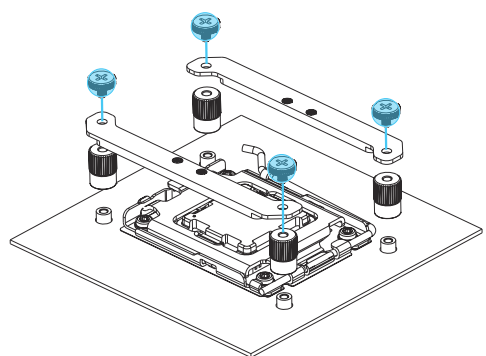
AMD-REMOVE-Halterungen | Supports AMD-REMOVE | Soportes AMD-REMOVE | AMD-移除支架



Remove stock plastic brackets from the AM4/AM5 socket. | Entfernen Sie die serienmäßigen Kunststoffhalterungen vom AM4/AM5-Sockel | Retirez les supports en plastique d'origine de la prise AM4/AM5 | Retire los soportes de plástico originales del zócalo AM4/AM5 | 从 AM4/AM5 插槽上拆下塑料支架

02 AMD-SECURE STAND-OFFS / BRACKET

AMD-Secure Abstandshalter/Halterung | Écarteurs/support AMD-SECURE | SOPORTE/SEPARADORES SEGUROS AMD | AMD-安裝支柱 & 支架



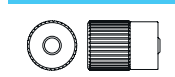
Mounting Bracket 2x



Thumb Screw 4x



AMD-standoff 4x



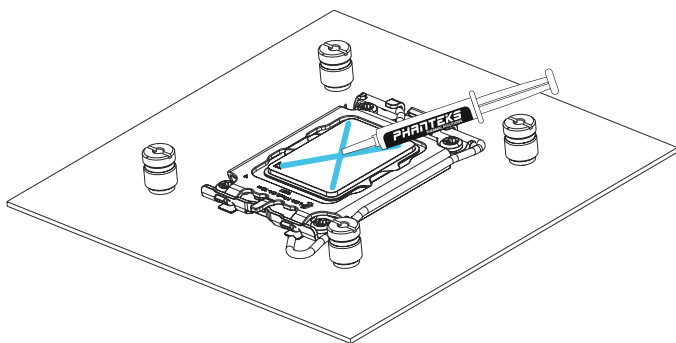
With the stock plastic bracket removed, secure the backplate with the 4x AMD standoffs. This step is compatible with both AM4 as AM5. | Nachdem Sie die serienmäßige Kunststoffhalterung entfernt haben, befestigen Sie die Rückplatte mit den 4 AMD-Abstandsboizen. Dieser Schritt ist sowohl mit AM4 als auch mit AM5 kompatibel. | Une fois le support en plastique d'origine retiré, fixez la plaque arrière avec les 4 entretoises AMD. Cette étape est compatible avec AM4 comme AM5. | Con el soporte de plástico original retirado, asegure la placa posterior con los separadores AMD 4x. Este paso es compatible tanto con AM4 como AM5. | 拆下备用塑料支架后, 用 4x AMD 支架固定背板。此步骤兼容 AM4 和 AM5

CONTINUE INSTALLATION PROCESS

Setzen Sie den Installationsvorgang fort | continuer le processus d'installation | continuar el proceso de instalación | 继续安装流程

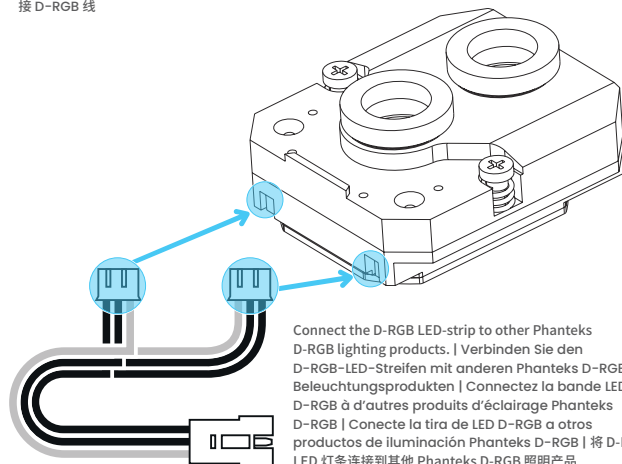
03 APPLY THERMAL PASTE

Tragen Sie Wärmeleitpaste auf | Appliquer de la pâte thermique | Aplicar pasta térmica | 涂抹散热膏



04 CONNECT D-RGB CABLE

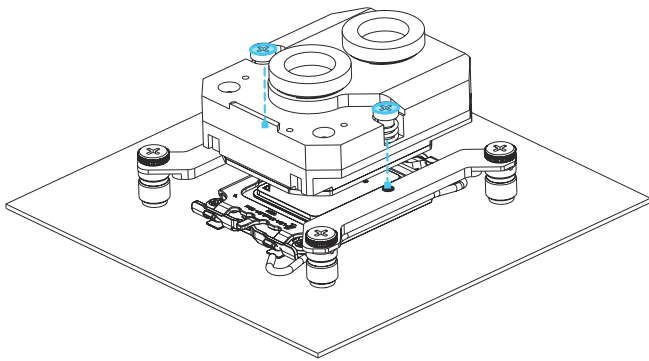
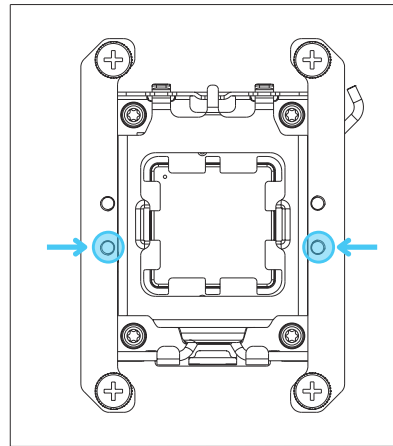
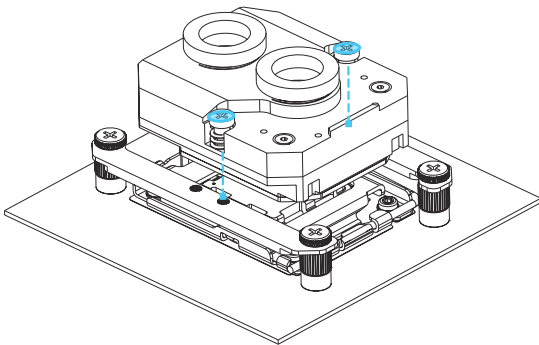
Schließen Sie das D-RGB-Kabel an | Connectez le câble D-RVB | Conecte el cable D-RGB | 连接 D-RGB 线



Connect the D-RGB LED-strip to other Phanteks D-RGB lighting products. | Verbinden Sie den D-RGB-LED-Streifen mit anderen Phanteks D-RGB-Beleuchtungsprodukten | Connectez la bande LED D-RGB à d'autres produits d'éclairage Phanteks D-RGB | Conecte la tira de LED D-RGB a otros productos de iluminación Phanteks D-RGB | 将 D-RGB LED 灯条连接到其他 Phanteks D-RGB 照明产品

05 INSTALL CPU BLOCK

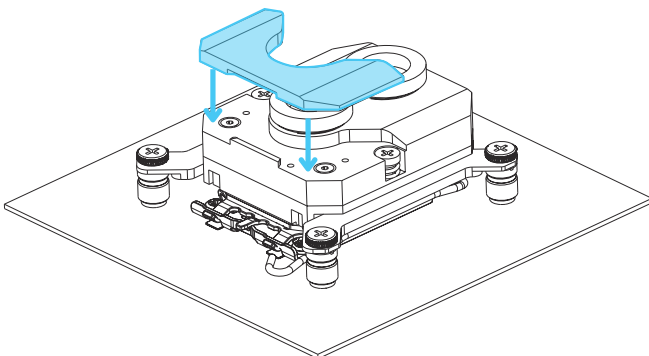
CPU-Block INSTALLIEREN | INSTALLER le bloc CPU | INSTALAR bloque de CPU | 安装 CPU BLOCK

INTEL**AMD**

this screw position is for optimal performance. | Diese Schraubenposition dient der optimalen Leistung | cette position de vis est pour des performances optimales | esta posición del tornillo es para un rendimiento óptimo | 该螺钉位置是为了获得最佳性能

06 INSTALL TOP COVER

OBERE ABDECKUNG INSTALLIEREN | INSTALLER LE COUVERCLE SUPÉRIEUR | INSTALE LA CUBIERTA SUPERIOR | 安装上盖

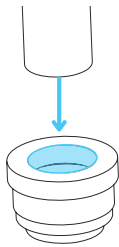


07 INSTALL THE WATERLOOP

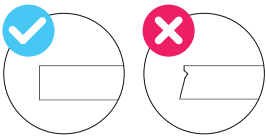
Installieren Sie den Wasserkreislauf | Installer la boucle d'eau | Instalar el circuito de agua | 安装水路

Hard Tube Installation

Hard-Tube-Installation | Installation de tubes durs | Instalación de tubo duro | 安装硬管



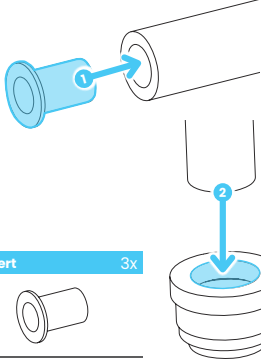
Press down on the ring and install the soft tube. | Drücken Sie den Ring nach unten und installieren Sie den weichen Schlauch. | Appuyez sur l'anneau et installez le tube souple. | Presione hacia abajo el anillo e instale el tubo blando. | 按下环并安装软管



Make sure to cut perpendicular to the tubing as shown. | Stellen Sie sicher, dass Sie wie gezeigt senkrecht zum Schlauch schneiden. | Assurez-vous de couper perpendiculairement au tube comme indiqué. | Asegúrese de cortar perpendicular al tubo como se muestra. | 请确保按照示意图垂直切割管子

Soft Tube Installation

Installation eines weichen Schlauchs | Installation du tube souple | Instalación de tubo blando | 安装软管



1. Install Insert | Einfügen installieren | Installer l'insert | Instalar inserto | 安装插件

2. Press down on the ring and install the soft tube. | Drücken Sie den Ring nach unten und installieren Sie den weichen Schlauch. | Appuyez sur l'anneau et installez le tube souple. | Presione hacia abajo el anillo e instale el tubo blando. | 按下环并安装软管

PRO TIP
Please put a drop of water into the fitting o-ring before installation.

DE Bitte geben Sie vor der Montage einen Tropfen Wasser in den O-Ring der Armatur.

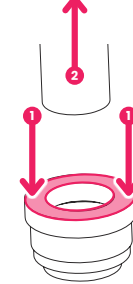
FR Veuillez mettre une goutte d'eau dans le joint torique du raccord avant l'installation.

ES Coloque una gota de agua en la junta tórica del accesorio antes de la instalación.

CN 安装前请将一点水滴入接头 O 形环中。

08 TUBE REMOVAL

Schlauchentfernung | Retrait du tube | Extracción del tubo | 移除管子



Press down on the ring and remove the tube. | Drücken Sie auf den Ring und entfernen Sie das Rohr. | Appuyez sur l'anneau et retirez le tube. | Presione hacia abajo en el anillo y retire el tubo. | 按下环并取下管子

WARNING: CHECK FOR LEAKS BEFORE TURNING ON THE SYSTEM
WARNUNG: Überprüfen Sie das System auf Undichtigkeiten, BEVOR Sie es einschalten | AVERTISSEMENT : Vérifiez les fuites AVANT d'allumer le système. | ADVERTENCIA: Verifique si hay fugas ANTES de encender el sistema | 警告: 在打开系统之前检查是否有渗液

SAFETY INFORMATION
SICHERHEITSMITTEILUNG | INFORMATION DE SÉCURITÉ | INFORMACIÓN DE SEGURIDAD | 安全信息

In order to achieve maximum safety, we suggest that you adopt the following guidelines:

1. Place the product on a clean and stable surface that allows adequate air ventilation.
2. Don't use or place the product and any of its components near water, moisture, or other wet surfaces; or place the product near any heat, open flame, or other hot surfaces such as radiators, stoves, fireplaces, and candles.
3. Use caution when operating the desktop PC to avoid electrical shock or damage, such as unplugging the power supply during thunderstorms, ensuring that your hands are dry before using (and handling) the desktop PC, keeping it away from any source of liquid and/or heat source, and using all other reasonable precautions needed under the circumstances.
4. When connecting external devices to your desktop PC, carefully plan how the wires will be placed. Protect any connected cables from being trod on or pinched, particularly at plugs, convenience receptacles, or the point where they exit from.
5. Take extra caution when handling/removing/reattaching glass components. Once removed, place the glass component on a stable surface first before proceeding.
6. When unplugging any connected devices and/or cables, always pull the cable or device's plug or connector. Don't forcefully tug on its cord.
7. Don't place any heavy items on top of the product.
8. Make sure that the desktop PC is off, unplugged from the outlet, and that all connected devices are powered off and unplugged (if any) before installing or uninstalling any internal component to and/or from the desktop PC or product.

NOTE ON DISPOSAL
Hinweis zur Entsorgung | Remarque sur l'élimination | Nota sobre la eliminación | 废弃处理注意事项

FR Cet appareil se recycle

REPRISE À LA LIVRAISON | À DÉPOSER EN MAGASIN | À DÉPOSER EN DÉCHÈTERIE

Points de collecte sur www.quefairedelesdechets.fr
Privilégiez la réparation ou le don de votre appareil !

The WEEE symbol indicates that this product must not be disposed of with normal household waste. Through the correct disposal of this product, you will help protect the environment. For more information on the disposal of this product, please contact your local municipality, your waste disposal service or the shop where you purchased the product.

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