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No.04
June 2019

Liquid Cooling News

Content

Coolant

01 Cool with Coolant

Coolant Cooling is required to remove the waste heat produced by computer components, to keep components within permissible operating temperature limits.

Thermaltake high performance coolant is made in Germany, virtually odorless and non-flammable, plus it features anti-corrosion protection and heat-transfer medium for PC water-cooling and superb protection for copper, nickel, brass, and aluminum. Create your own coolant color and experience the excitement of color mix & match.

When Meets

Thermaltake
C1000 Opaque

Thermaltake
P1000 Opaque

Thermaltake
T1000 Opaque

Be a Coolant Artist

Color Mix Matching

» Pour TT Premium Concentrate into the reservoir filled with Thermaltake P1000 Pastel White Coolant.

» The more TT Premium Concentrate you add, the stronger the color will appeal.

» The standard recommendation is to use a mix of 50ml TT Premium Concentrate and 950ml Thermaltake P1000 Pastel White Coolant.

《 Mix With P1000 Pastel White Coolant 》

《 Mix With C1000 Pure Clear Coolant 》

Thermaltake P1000 Pastel Coolant Series

Formulated to Impress

Liquid Surface Tension Optimizer

By adding optimizer to increase the surface tension of the coolant, it minimizes the risk of airlock. With P1000, it only takes about 5 to 10 seconds to start the system after filling the loop thanks to the liquid surface tension optimizer.

Anti-Corrosive Solution

Corrosion protection for copper, brass, nickel, and aluminum.

Antifreeze

Ensures coolant to run effectively under extreme weathers.

Low Viscosity Enabler

P1000 assembles a lot of qualities of pure water, quality such as low viscosity enables effective flow of P1000 Pastel Coolant.
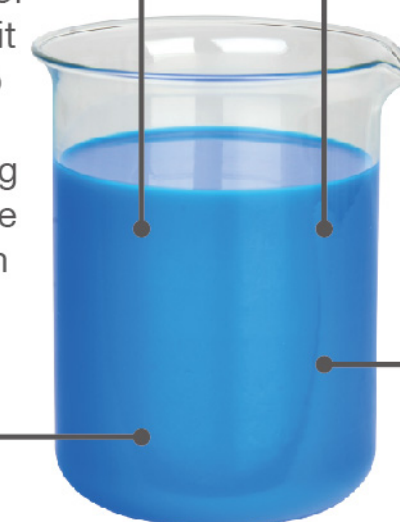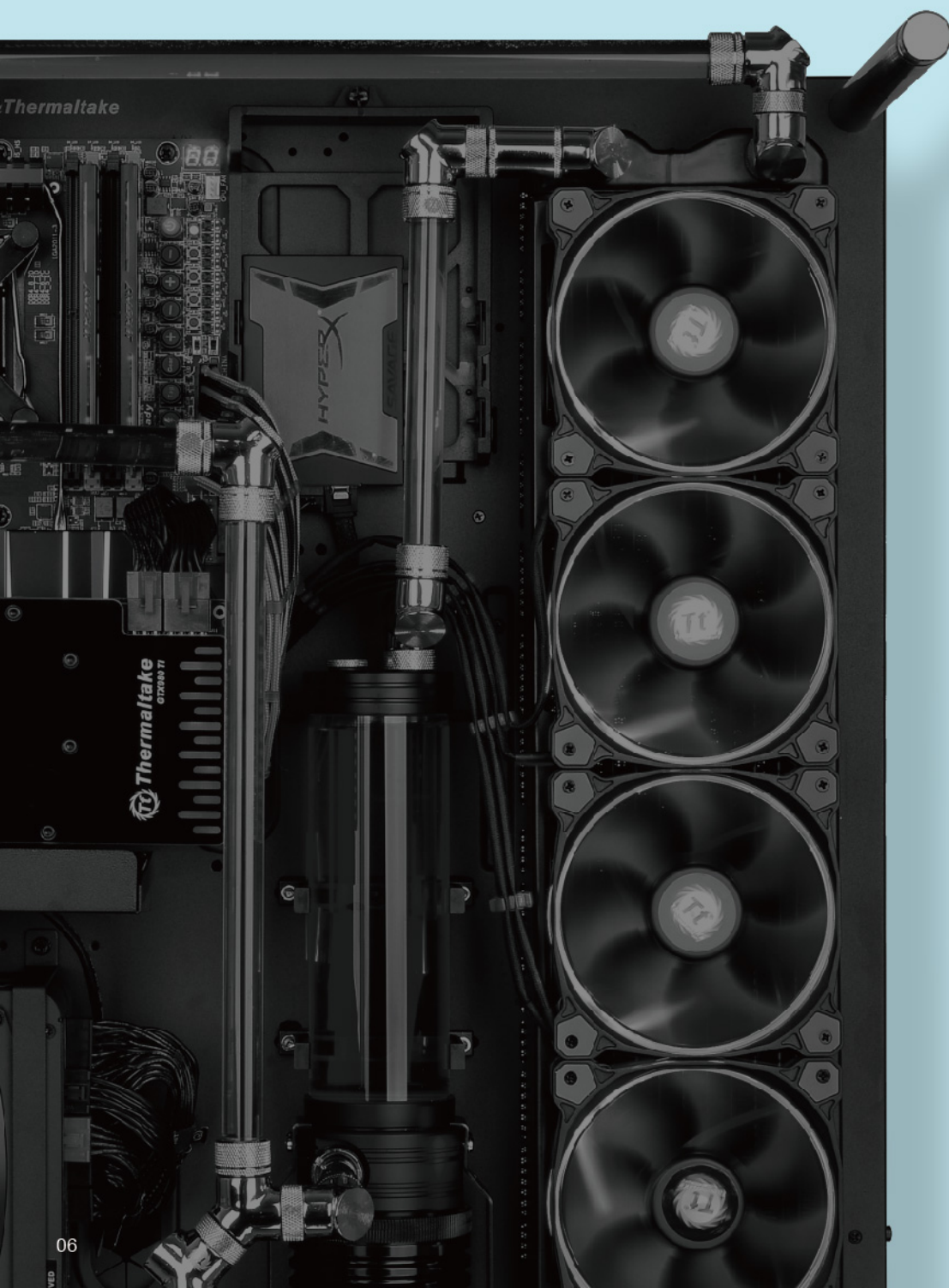
02 How LCS Works

Understanding Liquid Cooling System in Minutes !

Step 1

Fill the coolant in the reservoir. Pure water's thermal conductivity is about 30 times greater than air and takes a lot longer for the temperature of water to rise compared to air. Water is the main transfer medium for Liquid cooling.

Step 2

The Pump will circulate the coolant within your loop starting from the pump and carried through to your heat source(s) i.e. CPU/GPU
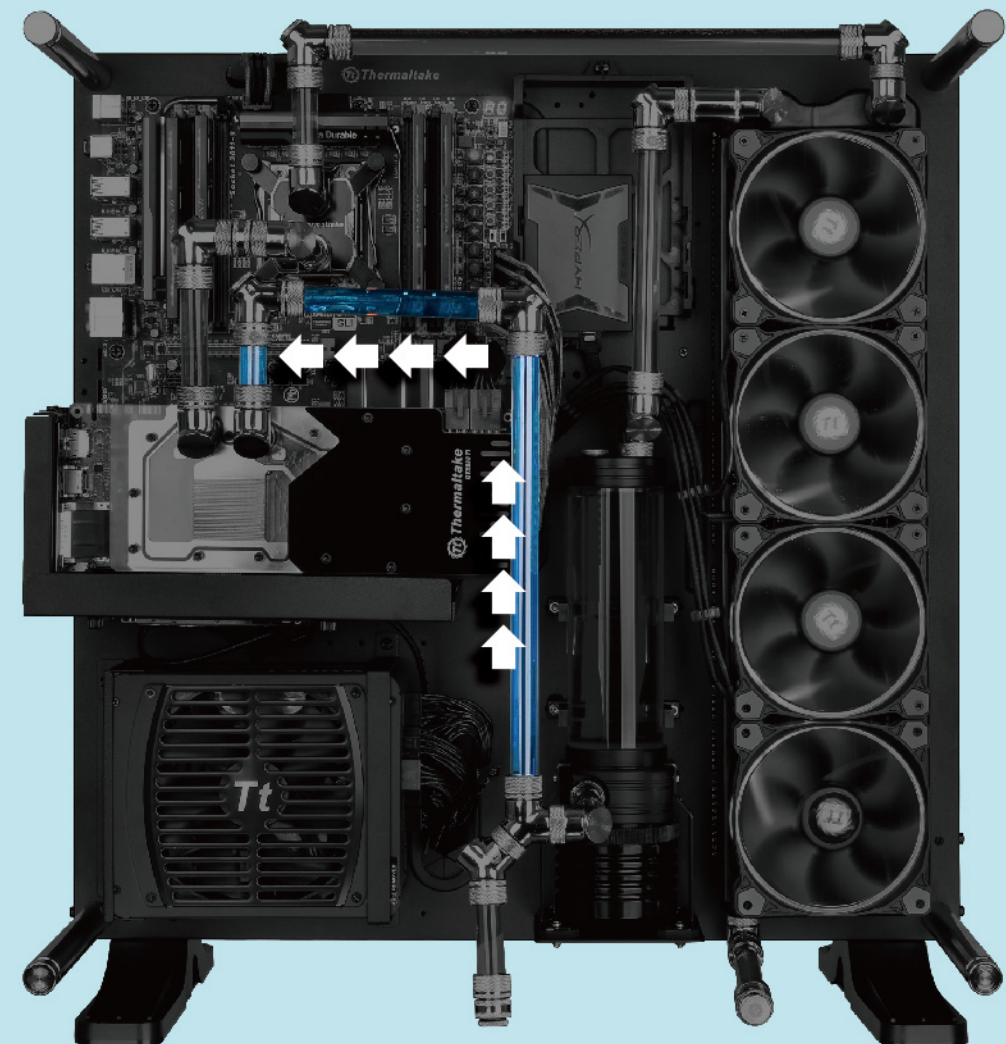
Step 3

When the coolant reaches your heat source the waterblock dissipates the congested heat from the source into the coolant via the micro channels in the waterblock.

Step 4

The coolant continues to circulate transferring the heat from the source to the radiator. The radiator spreads the water out into the cooling fins dissipating the heat evenly allowing a bigger surface area for heat extraction.

Step 5

Then finally the fans secured on the radiator exhausts the heat trapped in the radiator fins cooling down the water and dissipating the heat into the air.

Step 6

After most the heat is extracted on your radiator by fans, the coolant will continue to flow back into the reservoir making a complete loop.

03 SyncALL, Say "Hello TT"
Customize Your RGB LCS System

Customizing a RGB LCS System can seem intimidating. Fear not, Thermaltake is here to provide a quick start guide on how to choose components for your system as well as how to color up your build with TT RGB PLUS Ecosystem.

1. Choose a Case

Case sizes can be generally categorized as Super Tower, Full Tower, Mid Tower, Mini Case and Cube Case. To create your dream liquid cooling system, it is ideal to have a chassis designed with liquid cooling in mind. Usually it comes with plenty of space on the inside, at least one transparent side panel, and a large fan grate on the top or bottom.

The most popular choice is mid-tower chassis, which comes with enough room for full size ATX motherboard, water-cooling components installation, several hard drives and optical drives, and expansion slots. You can also consider a super-tower case, or a full-tower one if you're going to use a larger motherboard, such as XL-ATX and E-ATX. For those who opt for a smaller case, then mini cases and cube cases are great choices.

VIEW 91 TG RGB EDITION

SUPER TOWER CHASSIS

LEVEL 20 TG RGB Plus EDITION

FULL TOWER CHASSIS

A500 ALUMINUM TG EDITION

MID TOWER CHASSIS

CORE P1 TG EDITION

MINI-ITX CASE

LEVEL 20 XT

CUBE CHASSIS

2. Choose a CPU

Your choice of CPU largely depend on your workloads that can be generally divided into two types: single-threaded and multi-threaded. Single-threaded workloads include tasks like browsing websites and word processing. Multi-threaded workloads mainly involve more complicated tasks, such as gaming, photo editing, video encoding and rendering, and usually do better on CPUs that have multiple cores.

Intel® Core™ i7   AMD® Ryzen™

3. Choose a GPU

There are two main types of graphic cards: gaming-oriented cards and workstation-oriented cards. Gaming cards are applied to deliver the best frame rates from games at the most realistic details settings, and the highest resolutions. Meanwhile, workstation cards are made for maximum stability and precision, and are specifically optimized for 3D rendering workloads.

NVIDIA® GeForce® RTX 2080   AMD Radeon™ VII 16G

4. Choose a Motherboard
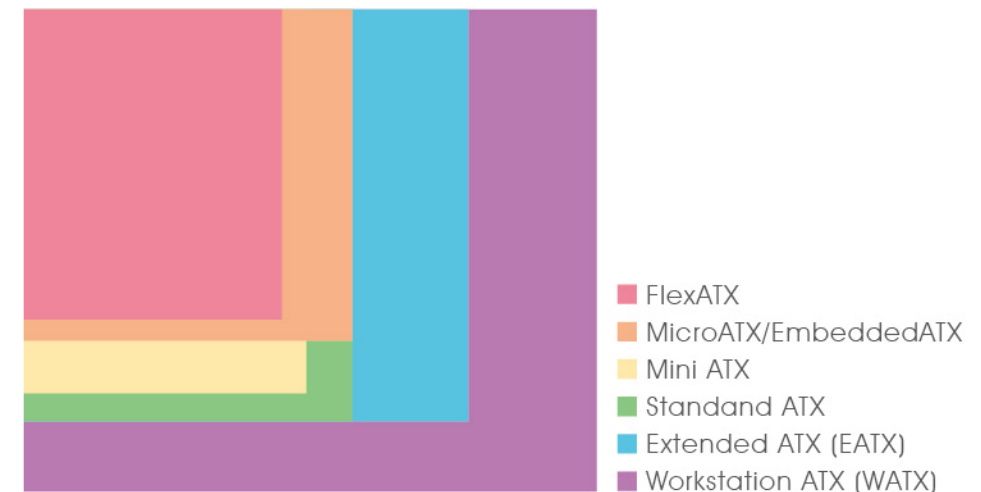
The most common motherboard sizes come in Mini-ITX, Flex-ATX, Micro-ATX, ATX, E-ATX and W-WTX. The motherboard you select should be compatible with your processor, memory and the most of your other components.

ATX Motherboard Size Comparison

- FlexATX
- MicroATX/EmbeddedATX
- Mini ATX
- Standand ATX
- Extended ATX (EATX)
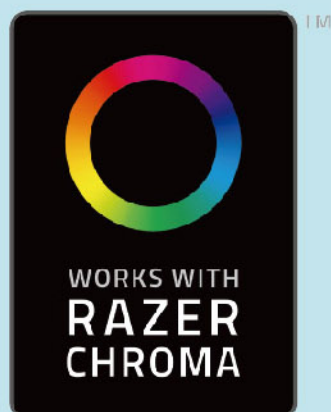- Workstation ATX (WATX)

ROG Z370   ASRock Z390

5. Select One or More TT RGB PLUS Synchronizable Products

TT has a wide range of selection for RGB liquid cooling components that can be synchronized via TT RGB PLUS Ecosystem. We have chosen some of our latest featured components for you to consider when coloring up your builds.

TM

- TT / Razer software only supports English.
- Amazon Alexa Voice Service supports only English.

WaterRam RGB Liquid Cooling Memory

An unprecedented two-way cooling high performance DDR4 memory module that comes with its own water block. It allows liquid cooling or heat sink convection cooling for the RAMs. The RAMs are built with optimized 3200MHZ high frequency that supports Intel XMP 2.0 one click overclocking technology.

Pacific W5 CPU Water Block

Copper based CPU water block featuring anti-corrosive nickel plating, high-quality PMMA cover, 16.8M colors LED, built-in CPU water temperature sensor to deliver real-time CPU water block temperature , and central inlet design for extreme cooling performance.
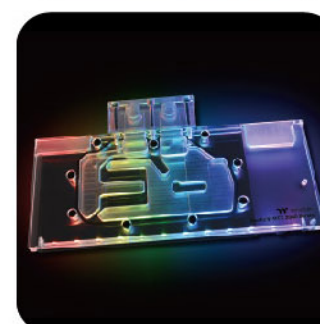
Pacific V-RTX 2080Ti / 2080 Plus Series Founders Edition

Full-cover water block for NVIDIA GeForce RTX 2080 Ti/ 2080. Features 16.8 M colors LED strip and an aluminum alloy backplate. Water blocks with similar specifications for ASUS ROG STRIX RTX 2080Ti/2080 are also available.

Pacific CL360 Plus RGB Radiator

High-performance 360mm copper radiator with high-density copper fin design, brass tank and a software-controllable 16.8 million colors LED strip.

Pacific R1 Plus DDR4 Memory Lighting Kit

RGB memory cover for DDR4 memory module with 16.8M colors LEDs. This kit supports motherboards with 4 DIMM channels.

Riing Quad 12/14 LED RGB Radiator Fan TT Premium Edition

PWM controlled fan with unique 4 individual addressable RGB LEDs rings.
Featuring 54 patented LEDs, 16.8 million RGB spectrum, long life hydraulic bearing and optimizing fan blade.

Riing Trio 20/14/12 LED RGB Radiator Fan TT Premium Edition

PWM controlled fan with world's first intelligent radiator fan with 3 independent 16.8M colors LED rings design, featuring 30 addressable LEDs for 12/14cm and 60 for 20cm with long-life hydraulic bearing and compression fan blade.

Riing Duo 14/12 LED RGB Radiator Fan TT Premium Edition

PWM controlled fan with 2 independent addressable 16.8M colors LED rings, featuring 18 addressable LEDs in total with long-life hydraulic bearing and compression fan blade.

Pacific PR22-D5 Plus Reservoir/Pump Combo

300ml reservoir and D5 pump combo unit with a software-controllable 16.8M colors LED cap.

Pacific RGB Plus TT Premium Edition G1/4 PETG Tube 16mm OD 12mm ID Fitting

16.8M colors RGB fittings with High-Flow and Leak-Free Design.

If you don't know where to start, TT has an easy solution for you!

Pacific CL360 Max D5 Hard Tube Water Cooling Kit

W5 CPU Water Block

PR22-D5 Plus Reservoir/Pump Combo

CL360 Plus RGB Radiator

T1000 Coolant Series- Pure Clear

Riing Duo 12 RGB Radiator Fan x 3

C-Pro Compression – Black x 8

Adapter Fittings - Black x 2 PETG Hard Tubes x 8

6. Select Your LCS Components

Coolant

Choose between different types of coolant to best match your builds. Thermaltake P1000 Pastel Coolant Series offers easy application in various colors.
Or mix Thermaltake T1000 Transparent Coolant with TT Premium Concentrate Coolant Series to formulate special colors for your builds.

CPU/GPU Water blocks

Water blocks come in a few different variations, the block is usually installed on a heat source such as CPU or GPU allowing maximum heat extraction. Liquid cooling performance is determined by the material of their base plate and micro-channel design.
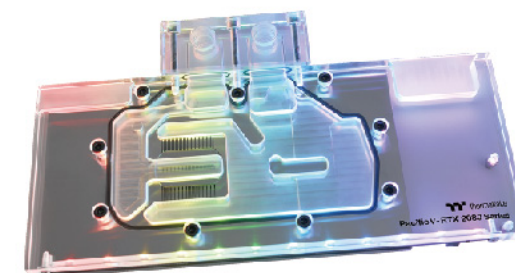
Pump & Reservoir

Choose the size of reservoir to fit your needs. Size usually is not entirely important although by having a bigger reservoir the pump is less likely to run dry and wear down.

Fittings

Fittings come in all shapes and sizes from angles, extenders to compression fittings. They are the connection between the blocks, radiators and tubes, such as Pacific C-PRO Series compression fittings. The most popular sizes are 16mm OD and 12mm OD. The outside diameter is what you look for when choosing the type of fittings.

Radiators

Radiators come in all sizes, usually in fan sizes like 120mm or 140mm variations. Sizes are chosen depending on your chassis and fan mounting points. Thermaltake provides a wide range of radiators with excellent quality and superior performance, Such as Pacific CL Series, Pacific C Series Slim, and Pacific CLM Copper Radiator Series.

Tubing

Tubing comes in various sizes and textures to match the outside diameter (OD) of the fittings you have selected. You can first choose the fittings and then select the matching tubing, or vice versa.

Two popular types of tubes are soft tubes and hard tubes. Hard tube gives clean and well organized look but the bending requires more experience with custom LCS and will need additional tools such as a bending kit and a heat gun.

7. Select Sleeve Cables

To enhance the aesthetics of your build, you can pick TtMod Sleeve Cable, which is sleeved with the heatshrinkless sleeving method and comes in three-layered design: Outer ultra-density weaving, the middle insulating layer with acid and alkali-resistance, fuel resistance, damp proof, and mildew proof features, and inner certified 16 AWG wire.

8. Select A Power Supply

The power supply powers all the components in your computer. Some cases are preinstalled with a power supply already installed, but others require you to provide your own. Builders must find a power supply that is able to handle the load, quality-made, fits their case, and has all the required cable ends.

9. Install TT RGB PLUS Software, App, and Amazon Alexa

CONTROLLER CONFIGURATION

For lighting up the TT RGB PLUS syncable products in your system, the first thing you need to do is assign a number for each controller.

All products come with a digital lighting controller that is designed with a DIP switch on the back. The coding guide is also included in all packs. Simply follow the steps written in the guide, then you will be able to set a number for your controllers. You can connect up to 16 controllers to TT RGB PLUS software.

WHAT IS TT RGB PLUS ECOSYSTEM?

TT RGB PLUS Ecosystem is the intelligent lighting system for PCs that combines the most advanced addressable LED lighting with Thermaltake's patented TT RGB PLUS Software, Razor Chroma, and Amazon Alexa Voice Service. TT RGB PLUS ecosystem provides nearly unlimited possibilities for playing with colors, synchronizing lights to games, music, CPU temperatures, Razer Chroma supported gaming peripherals or other TT RGB PLUS products, including case fans, CPU/VGA waterblocks, AIO CPU coolers, PSUs, LED strips, gaming keyboards, headsets, mice and mouse pads. The patented TT RGB PLUS software allows users to change the light modes, colors, speeds, brightness, fan speeds via TT AI Voice Control and Amazon Alexa Voice Service.

TT RGB PLUS SOFTWARE

Thermaltake's patented software to synchronize TT RBG PLUS products with addressable LEDs.

DOWNLOAD TT RGB PLUS SOFTWARE

TT AI VOICE CONTROL

Give you full control over the TT RGB PLUS products with your voice.

App Store

ANDROID APP ON Google play
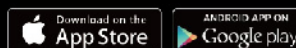
coming soon...

HOW TO DOWNLOAD TT RGB PLUS SOFTWARE

Download the software from http://ttrgbplus.thermaltake.com/

Alternatively, you can search "Riing Plus RGB" on Thermaltake official website, and download the software from there.

TT RGB PLUS SOFTWARE PROFILE SETTING

Conveniently control all TT RGB PLUS syncable products and customize the lights at the same time by setting up to five profiles for each controller.

Each controller your system connected is displayed at the top left of the interface for you to quickly access. Within each prof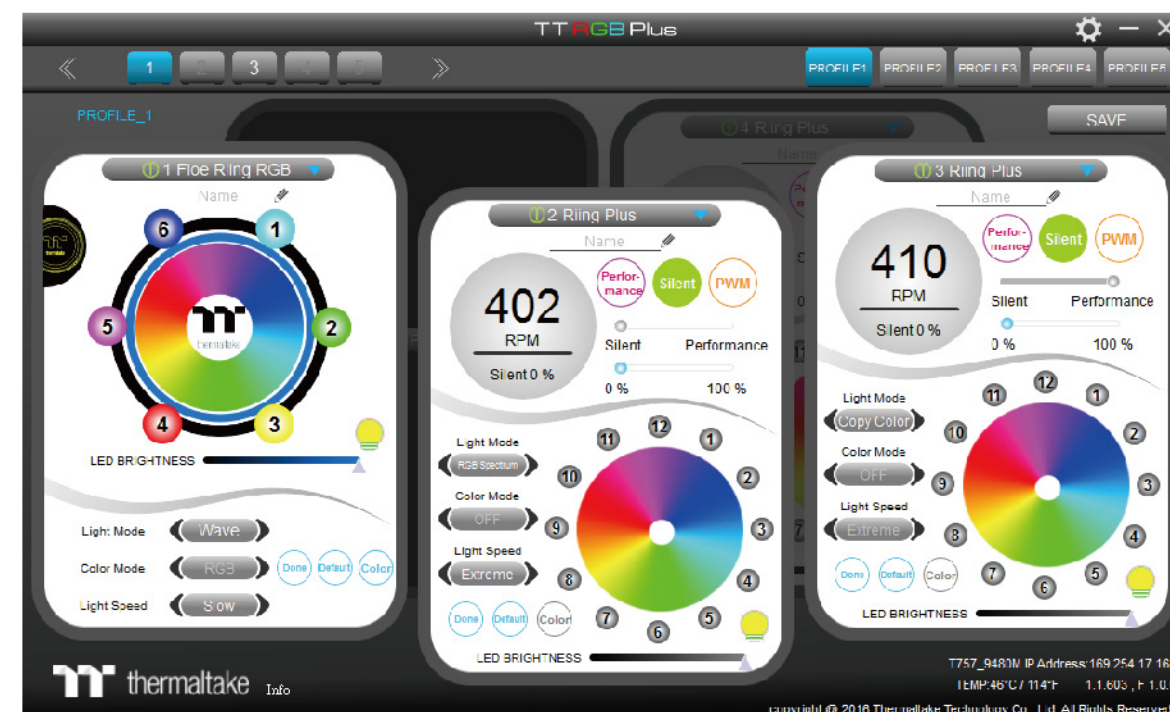ile, you can check which product is set to what operating speed and lighting effect. You can even "SAVE" and apply the settings to other controllers your system is running.

HOW TO DOWNLOAD TT RGB PLUS APP

Install TT RGB PLUS app on your phone and connect it to TT RGB PLUS software. The app is now available on APP Store and Google Play. All you need to do is typing "TT RGB PLUS" on the search column.

For the app and TT AI Voice Control to work, your mobile phone is required to connect to WI-FI. When you turn on the app, you will find the settings menu on the side of the screen where the number of each profile and the number of each controller are displayed.
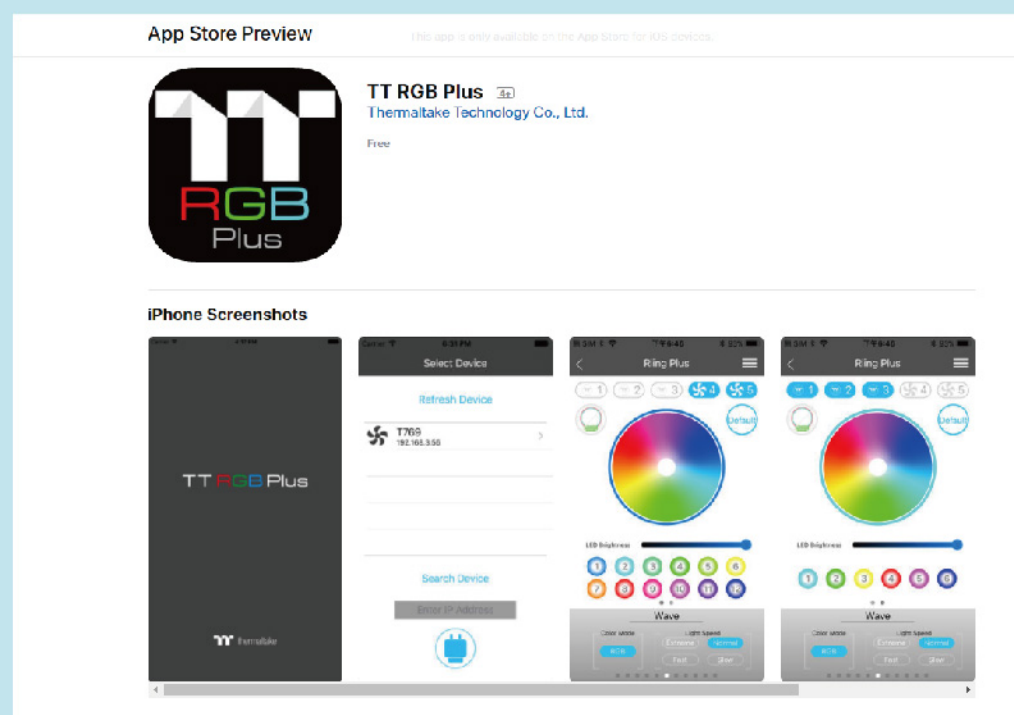
HOW TO SET UP TT RGB PLUS - AMAZON ALEXA SKILLS

Go to https://www.amazon.com/ and log in with your Amazon account. Find TT RGB PLUS in Amazon Alexa Skills and Enable the skill.

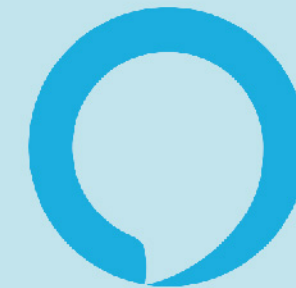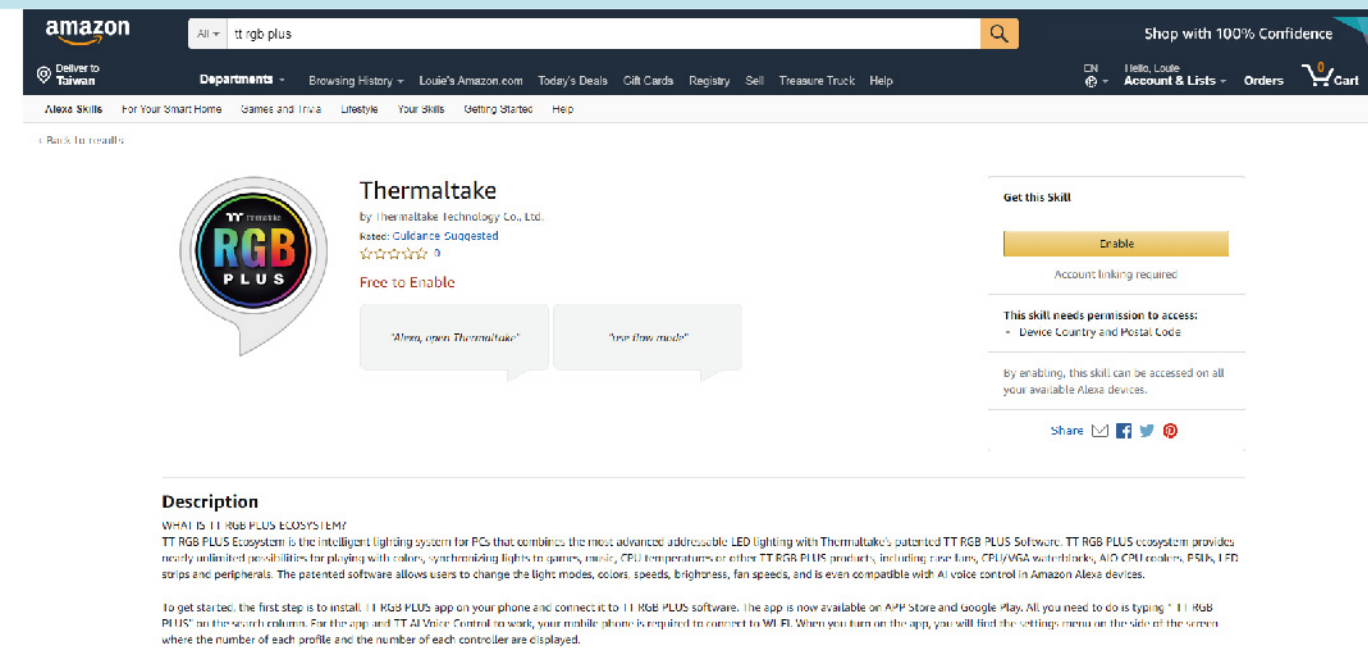For step-by-step set up instruction, Please scan the QR Codes below for a written instruction or video guide.

amazon alexa

Written Guide

Video Guide

Description

WHAT IS TT RGB PLUS ECOSYSTEM?
TT RGB PLUS Ecosystem is the intelligent lighting system for PCs that combines the most advanced addressable LED lighting with Thermaltake's patented TT RGB PLUS Software. TT RGB PLUS ecosystem provides nearly unlimited possibilities for playing with colors, synchronizing lights to games, music, CPU temperatures or other TT RGB PLUS products, including case fans, CPU/VGA waterblocks, AIO CPU coolers, PSUs, LED strips and peripherals. The patented software allows users to change the light modes, colors, speeds, brightness, fan speeds, and is even compatible with AI voice control in Amazon Alexa devices.

To get started, the first step is to install TT RGB PLUS app on your phone and connect it to TT RGB PLUS software. The app is now available on APP Store and Google Play. All you need to do is typing " TT RGB PLUS" on the search column. For the app and TT AI Voice Control to work, your mobile phone is required to connect to WI-FI. When you turn on the app, you will find the settings menu on the side of the screen where the number of each profile and the number of each controller are displayed.

04 Cool Your System with Thermaltake LCS Components

WaterRam RGB Liquid Cooling Memory

DDR4 3600MHz 32G / DDR4 3200MHz 16G/32G

Crafted For Excellence

WaterRam RGB Liquid Cooling Memory is an unprecedented two-way cooling high performance DDR4 memory module that comes with its own water block. It offers ultimate flexibility when it comes to cooling options, with copper based water block and aluminum heat sinks, it allows liquid cooling or heat sink convection cooling for the RAMs. The RAMs are built with optimized 3200MHz high frequency that supports Intel XMP 2.0 one click overclocking technology and low CAS latency of 16 . While WaterRam RGB Liquid Cooling Memory ensures peak performance on the latest Intel DDR4 motherboards, it is also gorgeous, built with 12 high lumens addressable LEDs of 16.8m colors that can be controlled by TT RGB PLUS Ecosystem and sync with motherboards from ASUS, GIGABYTE, MSI and AsRock that have a 5V addressable RGB header. Let WaterRam RGB Liquid Cooling Memory takes your system to a whole new level!

Pacific W5 CPU Water Block

The copper based Pacific W5 CPU Water Block features anti-corrosive nickel plating, high-quality PMMA cover, and central inlet design for extreme cooling performance. The water block is equipped with a built-in water temperature sensor that detects the temperature of the coolant that flows through the CPU water block and shows the real-time data for users to easily see on the patented TT RGB Plus software. W5 is not only equipped with top-notch inner components but also has a gorgeous RGB appearance. The water block features 16.8 million colors LED supported by TT RGB Plus Software, Amazon Alexa Voice Service and Razer Synapse 3.

Temperature Sensor

Pacific Copper Radiator Series
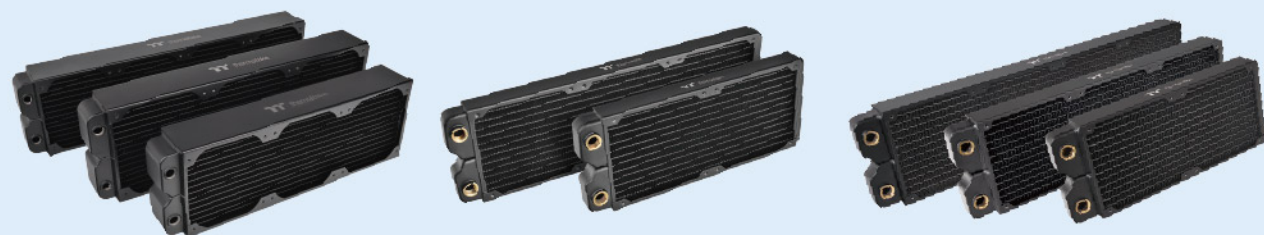
Pacific CL Radiator Series   Pacific C Radiator Series   Pacific CLM Radiator Series

Pacific Aluminum Radiator Series

Pacific RL Radiator Series   Pacific R Radiator Series   Pacific RS Radiator Series

Pacific CL Radiator Series is a high-performance copper radiator Series that is available in 360mm,420mm, 480mm. And Pacific C Radiator Series is a high-performance slim copper radiator series available in 240mm and 360mm. As for Pacific CLM Radiator Series, they are 40mm thick copper radiators that comes in 240mm, 360mm, and 480mm. All three series are made with high-density copper fin design and brass tank. These radiator series are manufactured from premium-quality materials that provide exceptional performance, unrivalled reliability. The unique stainless steel side panels guarantee the durability as well as reduce the weight of the radiator. Integrated G1/4" threads make it easy to install, while rigid connections ensure leak-resistant measures are in place. With an ideal mounting, fitting and flow set-up, the Pacific Copper Radiator Series meet your cooling needs in every way.
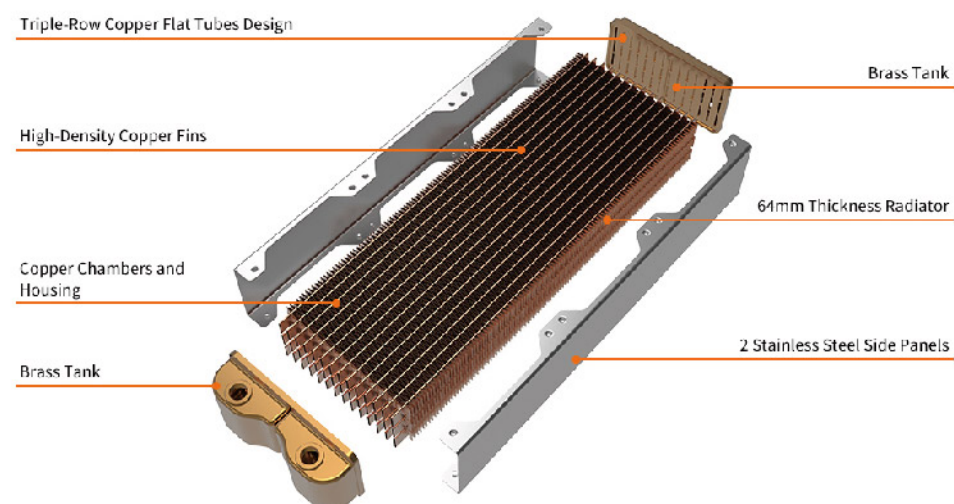
The Thermaltake Pacific Aluminum Radiator Series introduces high-quality radiators to deliver outstanding water cooling performance for the enthusiast's PC. All manufactured from high-quality German zinc alloy aluminum and aerospace-grade materials. Integrated G1/4" threads make them easy to install, while rigid connections ensure leak-resistant measures are in place. With an ideal mounting, fitting, flow set-up and various sizes, the Thermaltake Pacific Aluminum Radiator Series meet your cooling needs in every way.

The Pacific RL Radiator Series are available in 120mm, 140mm, 240mm, 280mm, 360mm, 420mm, 480mm and 560mm.

The Pacific R Radiator Series are available in 120mm, 240mm, and 360mm.

The Pacific RS Radiator Series are available in 180mm, 360mm, and 540mm.

High-Quality Copper Radiator Design

Triple-Row Copper Flat Tubes Design

Brass Tank

High-Density Copper Fins

64mm Thickness Radiator

Copper Chambers and Housing

2 Stainless Steel Side Panels

Brass Tank

Corrosion Potentials (mV vs. SCE) after Brazing

Decrease by 55.6%

Aluminum

Aluminum Alloy + Zinc

-740   -1670   SCE
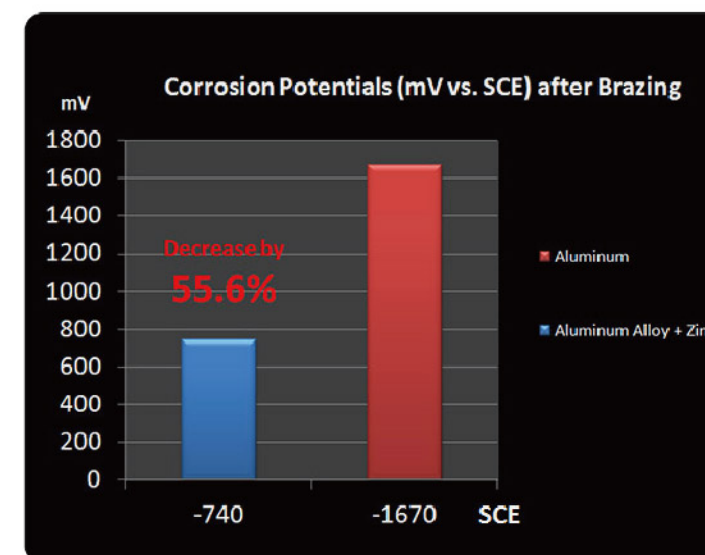
V-TUBLER PETG TUBE SERIES

Manufactured from premium PETG, the V-Tubler rigid tubing allows users to route the tubes runs exactly to their heart's content. Designed with 16mm and 12mm OD PETG tube adapter fittings, give users better mounting, easier fitting, and ideal flow. Choose from: 500mm and 1000mm to make your system a showcase for all to see with the Thermaltake V-Tubler water tubing.

V-Tubler PETG Tube 16mm OD

V-Tubler PETG Tube 12mm OD 10mm ID

Pacific RGB Plus TT Premium Edition G1/4 PETG Tube 16mm OD 12mm ID Fitting

Thermaltake Pacific RGB Plus TT Premium Edition G1/4 PETG Tube 16mm OD 12mm ID Fitting took RGB fittings to a new level with software-controllable 16.8 million colors LED that is visible from all directions. The RGB PLUS fitting is designed for 16mm OD /12mm ID hard tube and produced with high quality copper that ensures durability. Color up your system with Pacific RGB Plus TT Premium Edition Fittings.

05 How To Install WaterRam Properly?

Facing the problems of installing liquid cooling memory for your PC build? Having worry about damaging your components by the incorrect steps? Let TT LCS Experts lead you through the correct process for installing WaterRam RGB Liquid Cooling Memory.
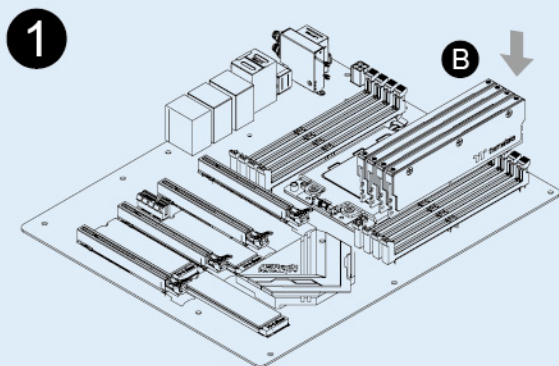
1 Plug the Memory Module(B) to the DDR4 slot on the motherboard. Please refer to the motherboard manual for the installation location.
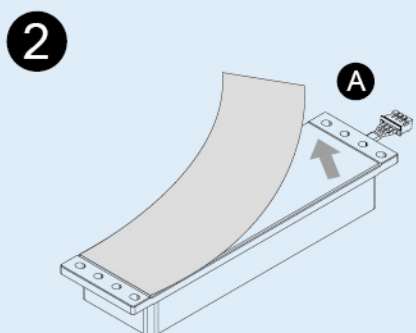
2 Remove the protective film of Thermal Pad on the Water Block(A).
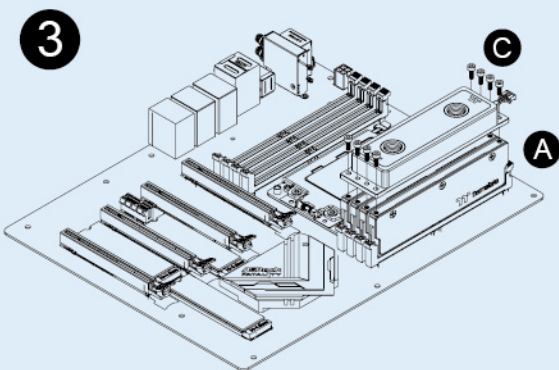
3 Tighten the Screws(C) to enclose the Water Block(A) and Memory Module(B).
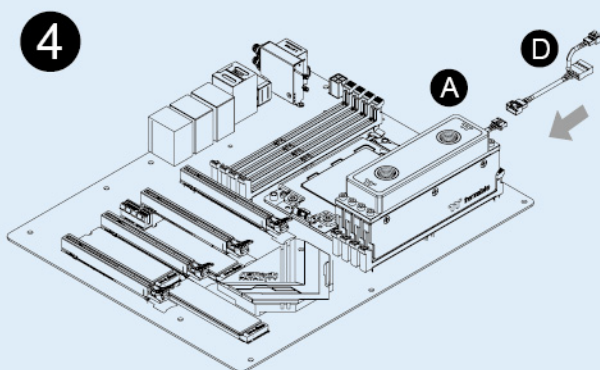
4 Connect the LED Y-Cable onto the Water Block.

WaterRam RGB
Liquid Cooling Memory

Keep your RAM Cool with Liquid Cooling

Temperature Comparison
Temp °C (Load @ Stock Freq.)

Temperature is 37% lower!

DDR4-3200 w/Hearsinks & RAM Water Block (Pump on)	30.2
DDR4-3200 w/Heatsinks & RAM Water Block (Pump off)	45.8
DDR4-3200 w/o Heatsinks	48

0 10 20 30 40 50

*The test results may vary by different system configurations.

Heatsinks Convection Cooling Application

Liquid Cooling Application

Cold Coolant Flow In   Hot Coolant Flow Out

06 Meet TT RGB PLUS Ecosystem

TT RGB PLUS Ecosystem is the intelligent lighting system for PCs that combines the most advanced addressable LED lighting with Thermaltake's patented TT RGB PLUS Software, Razor Chroma, and Amazon Alexa Voice Service. TT RGB PLUS ecosystem provides nearly unlimited possibilities for playing with colors, synchronizing lights to games, music, CPU temperatures, Razer Chroma supported gaming peripherals or other TT RGB PLUS products, including case fans, CPU/VGA waterblocks, AIO CPU coolers, PSUs, LED strips, gaming keyboards, headsets, mice and mouse pads. The patented TT RGB PLUS software allows users to change the light modes, colors, speeds, brightness, fan speeds via TT AI Voice Control and Amazon Alexa Voice Service.

TT RGB PLUS ECOSYSTEM

SyncALL, Say "Hello TT"
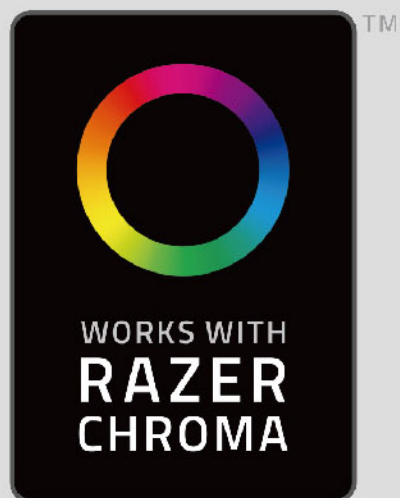
Works with Amazon Alexa

All Thermaltake TT RGB PLUS products support Amazon Alexa Voice Service, allowing you to control the lights or fan speeds by talking to the Alexa-enabled device. With the support of Amazon Alexa, TT RGB PLUS products also offer an additional visual cue for checking current weather condition in your location or anywhere in the world. All you have to do is simply starting the sentence with "Alexa, tell Thermaltake", then the lighting color will correspond to the weather condition in the location.

Works with Razer Chroma

All Thermaltake TT RGB PLUS products are able to connect into the Razer Chroma ecosystem. Users who have installed both the TT RGB PLUS Software and Razer Synapse 3 can experience synchronized gaming and RGB lighting effects on their TT RGB PLUS liquid cooling system and gaming gear! From cooldown timers, health bars, and flashy ultimate indicators, to subtle ambient lighting that sets the perfect mood for each game, Razer Chroma provides an experience that transcends the screen and into your full setup, for a truly immersive experience.

Sync with ViewSonic

TT RGB PLUS Ecosystem now includes monitors from View Sonic! ELITE XG240R is a gaming monitor with integrated RGB accent lighting and all the performance essentials needed for gamers to play competitively. The XG240R is also the only 24" gaming monitor equipped with ELITE RGB—a unique RGB lighting design on the back of the monitor, which can be controlled by TT RGB Plus software.

Sync with ZADAK

As a new partner of TT RGB PLUS Ecosystem, ZADAK is featuring its MOAB M.2 RGB HEAT SPREADER which provides compatibility for the majority of M.2 SSDs on the market. TT RGB PLUS software can perfectly synchronize with it and offer the marvelous RGB lighting effect.

Sync with TeamGroup

As a partner of TT RGB PLUS Ecosystem, TeamGroup has two RGB SSDs and three RGB Memory Modules that can synchronize with TT RGB PLUS software, including T-FORCE DELTA RGB, T-FORCE XCALIBUR RGB, and T-FORCE NIGHT HAWK RGB DDR4 Memory Module, T-FORCE DELTA RGB SSD, and T-FORCE DELTA S RGB SSD. Users who install the above mentioned memory modules on AsRock Polychrome supported motherboards can synchronize and control the lights via TT RGB PLUS software.

Say "Hello TT"
TT AI Voice Control

Talking to TT RGB PLUS App is an easier, faster way to set lights for your systems. You can ask it to turn the lights on or off, switch lights modes, dim the lights, change light colors, or adjust lights speeds or fan speeds. Give you full control over the TT RGB PLUS products with your voice. Just say "Hello TT".

Download on the App Store

ANDROID APP ON Google play

You can say...

One Two Three
Hello Gigabyte
End
Turn on
Hello AMD

You can say...

White Color
Ripple
Normal
RGB Spectrum
Blink

You can say...

Pulse
Green Color
Slowly
Fast
End

Fun with TT RGB PLUS Software

Thermaltake's patented software to synchronize TT RGB PLUS products with addressable LEDs. Customize the lights, monitor the fan performance, and adjust the fan speeds all from your PC.

Taiwan Patent: 105216989

US Patent Applied

China Patent Applied

07 Master Modder Recommendation

WaterRam RGB Liquid Cooling Memory
DDR4 3200MHz

Thermaltake's WaterRam is such a unique product to come to the market for enthusiasts, an all in one memory kit which includes built-in water-cooling support for those willing to take their PC to the next level.

I love the thought that has gone into this memory kit by allowing the user to use the RAM in convection cooling (just using the included all black heat spreader) or for those who love to water cool their hardware whether it be for aesthetics or performance, that option is there.
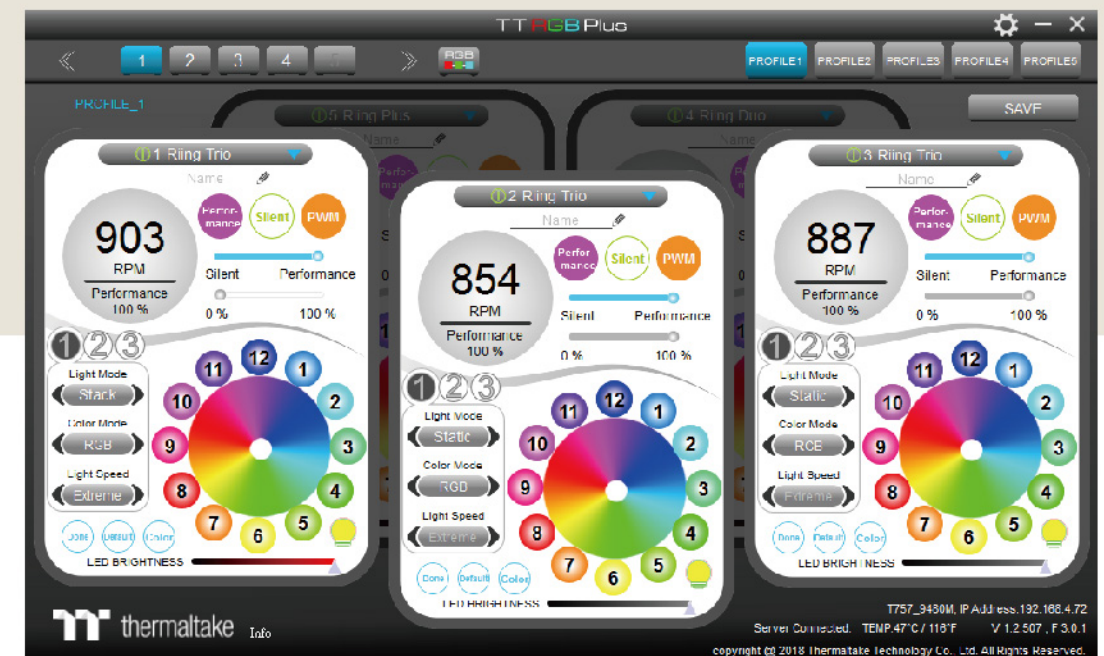
Speaking of performance, this memory kit is no slouch, It was good to see Thermaltake releasing these kits at great speeds and the limited lifetime warranty tells me that this is a product worth being 100% confident in!

 The real question though, how was the LED Lighting? Personally I loved the illumination and colours, no hot spots, good amount of LEDs to spread the light evenly and loads of custom profiles, you could even use the RAM with all of the Major motherboard RGB Software.

No complaints from me I hope to see even more variety in size and speeds for the RAM Kits in the near future! Great job TT!

 TT RGB Plus really brings something unique technology by introduce a voice command feature which is "TT AI VOICE CONTROL". Its simplest way that you can change your fan led preset and follow your mood and environment .it's only required a smart phone connected , and give the command voice directly from phone . To have this kind of feature it make my mod completely different and unique.

I can't ague anymore ,since this is the best fan system I ever use. It make user more easy to archive any presets their want and at the same times deliver perfect performance.

2019 Thermaltake CaseMOD Invitational Season 1 - TT Talent Community League *Stage 2*

Devin Waddell
Sanjaya Bhanu
Genevieve Baad
Claricce Lim
Rob Deluce
Amelia Rosina

Morgan Winberg
Richard ord
Ahmad Syafiq Hamman
Calen Saddler
Luis Alves
Douglas vieira alves

2019 Season 1
Thermaltake CaseMod Invitational
TT Talent Community League
Stage 1

WIN A TRIP TO COMPUTEX 2019 WITH THERMALTAKE
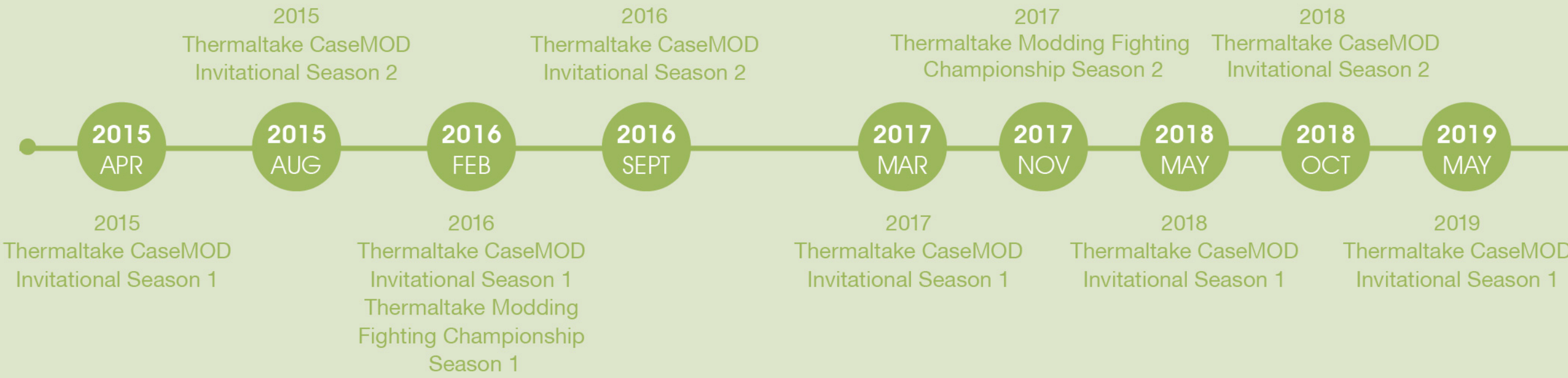DO YOU HAVE WHAT IT TAKES TO BE OUR NEXT BIG TALENT?

May 28 - June 1, 2019

08 Thermaltake CaseMOD Invitational

Thermaltake has been an advocate for Maker Movement since 2015 when we started CaseMOD Invitational, and has continuously supporting and sponsoring passionate individuals in the modding community. Let's take a look at the winners from past seasons and the new event, TT Talent that we are hosting from October, 2018.

2018 Thermaltake CaseMOD Invitational Season 2 was a brand new event for us! We invited 12 talented individual who are expert in TT RGB PLUS Ecosystem and social media promotions to participate in the competition to become the TT Talent of 2019.

2015
Thermaltake CaseMOD
Invitational Season 2

2016
Thermaltake CaseMOD
Invitational Season 2

2017
Thermaltake Modding Fighting
Championship Season 2

2018
Thermaltake CaseMOD
Invitational Season 2

| **2015** APR | **2015** AUG | **2016** FEB | **2016** SEPT | **2017** MAR | **2017** NOV | **2018** MAY | **2018** OCT | **2019** MAY |

2015
Thermaltake CaseMOD
Invitational Season 1

2016
Thermaltake CaseMOD
Invitational Season 1
Thermaltake Modding
Fighting Championship
Season 1

2017
Thermaltake CaseMOD
Invitational Season 1

2018
Thermaltake CaseMOD
Invitational Season 1

2019
Thermaltake CaseMOD
Invitational Season 1

Thermaltake
09 Thermaltake Casemodding Showcase

Thermaltake is always very passionate with the work of the modders and makers from all over the world. In this chapter, you can get a closer look and a better understanding of the modders' superior-looking mods.

View 71

Douglas Alves

A500

Mhike Samsin

Level 20 VT

Popoy Ramdom

Level 20

Suchao Prowphong

GGF Lan Party

Level 20 GT

Aitor Larranga

GGF Lan Party

10 TT Premium

Thermaltake TT Premium, the most professional online shop for PC enthusiasts, has expanded its footprint to over 100 countries and territories by launching TT Premium Europe , TT Premium Australia , TT Premium Taiwan and TT Premium China. Established in 2016, TT Premium has always adhered to Thermaltake's core mission to create values for its customers by providing exceptional high-end products, including Chassis, Liquid Cooling Solutions and Digital Power Supplies.

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	Australia	https://ttpremium.com.au
	Taiwan	https://ttpremium.com.tw
	China	https://ttpremium.com.cn
	Asia	https://asia.ttpremium.com

thermaltake

shipping to more than 100 countries around the globe with premium product quality

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