# AQUA 120

## FEATURES

### ENGLISH
- Dynamic RGB Effects: Addressable RGB Lighting in Water Block
- Vortex WB 120: Extended Speed Range for Optimal Noise/Performance Relation
- Supports Both Included with Remote Control and 5V RGB Motherboard Headers
- Sleeved and Extended Tubing for Improved Durability and Reliability

### DEUTSCH
- Dynamische RGB-Effekte: Adressierbare RGB-Beleuchtung in Wasserblock
- Vortex WB 120: Vergrößerter Geschwindigkeitsbereich für optimales Geräusch-Leistung-Verhältnis
- Unterstützt sowohl mitgelieferte mit Fernbedienung als auch 5-V-RGB-Motherboard-Stiftleisten
- Ummantelte und erweiterte Verschlauchung für verbesserte Beständigkeit und Zuverlässigkeit

### ESPAÑOL
- Efectos RGB Dinámicos: LEDs RGB Direccionables tanto en el Bloque de Agua
- Vortex WB 120: Rango de Velocidad Extendido para Optimizar Relación Rendimiento/Ruido
- Soporta tanto con Control Remoto como Conexión 5V RGB a Placas Base Compatibles
- Tubos con Mangas Extralargos para Mayor Fiabilidad y Durabilidad

### PORTUGUÊS
- Efeitos RGB Dinâmicos: Iluminação RGB Endereçável em Blocos de Água
- Vortex WB 120: Faixa de Velocidade Estendida para Relação Ideal de Ruído/Desempenho
- Suporta Tanto a inclusa com Controle Remoto como os cabeçotes da Placa-mãe 5V RGB
- Tubulação com Manga e Estendida para Mais Durabilidade e Confiabilidade

### РУССКИЙ
- Динамические эффекты RGB: адресное RGB-освещение как в водяном блоке
- Vortex WB 120: расширенный диапазон скорости для оптимального соотношения шума/производительности
- Поддерживает оба разъема: с пультом дистанционного управления и 5-вольтовое RGB подключение к материнской плате
- Трубчатые и удлиненные трубки для повышения долговечности и надежности

### 한국어
- 다이나믹한 RGB 효과 : 모두에서 활용 가능한 RGB 조명
- Vortex WB 120 : 최적의 소음 / 성능을 위한 확장 속도 범위
- 원격 제어 및 5V RGB 마더 보드 헤더가 있는 모두 지원 가능
- 향상된 내구성 및 신뢰성을 위한 슬리브 및 연장 튜브

### БЪЛГАРИЯ
- Подробни инструкции за употреба изтеглете от: https://cougargaming.com/bg

България QR код

### FRANÇAIS
- Effets RVB dynamiques : Éclairage RVB adressable dans le waterblock
- Vortex WB 120 : Plage de vitesse étendue pour un rapport bruit/performances optimal
- Prend en charge le inclus avec télécommande et les embases de carte mère RVB 5 V
- Tubes étendus et à manchons pour une durabilité et une fiabilité accrues

### POLISH
- Dynamiczne efekty podświetlenia RGB: adresowalne podświetlenie RGB bloku wodnego
- Vortex WB 120: rozszerzony zakres prędkości dla optymalnego stosunku poziomu hałasu do wydajności
- Obsługa dołączonego z pilotem zdalnego sterowania i złączy header 5V RGB na płycie głównej
- Rurki w oplocie i przedłużające dla większej trwałości i niezawodności

### HUNGARIAN
- Dinamikus RGB-effektusok: címezhető RGB-világítás a vízblokkhoz
- Vortex WB 120: kibővített sebességtartomány az optimális zaj/teljesítmény arányhoz
- A tartozékként kapott ot a távvezérlővel, illetve az 5 V-os RGB alaplapi csatlakozósorokat egyaránt támogatja
- Tokban elhelyezett és kibővített csővezeték a fokozott tartósság és megbízhatóság érdekében

### ITALIA
- Effetti RGB dinamici: illuminazione RGB indirizzabile sia nell'idroblocco
- Vortex WB 120: intervallo di velocità esteso per rapporto ottimale rumore/prestazioni
- Supporta incluso con telecomando e i connettori per scheda madre RGB 5V
- Tubi con manicotti ed estesi per una maggiore durata e affidabilità

### 日本語
- ダイナミックRGBエフェクト：アドレス可能なRGB LED付き水冷ヘッド
- Vortex WB 120：ノイズとパフォーマンスのバランスを最適化した拡張速度範囲
- ワイヤレスリモコンとマザーボード用の5V RGBコネクタを搭載
- メッシュと長くしたデザインによって、耐久性と信頼性をアップしたチューブ

### 中 文
- 动态RGB效果：水冷头具有可编程RGB效果
- Vortex WB 120：加大的转速范围，可达到噪音与效能之间的最佳平衡
- 支援无线遥控器和主机板的5V RGB接头
- 水冷管线的编织网与加长设计可提升耐用度与可靠性

## SPECIFICATIONS

| | |
|---|---|
| Product Name | AQUA 120 |
| CPU Socket | Intel Socket LGA 775 / 1155 / 1156 / 1200 1366 / 2011 / 2066 (Core i3 / i5 / i7 CPU)<br>AMD AM4/FM2 / FM1 / AM3+ / AM3 / AM2+ AM2 CPU |

| Water Block & Pump | |
|---|---|
| Dimensions (WxDxH) | 60 x 60 x 50 mm |
| Cold Plate Material | Copper |
| Pump Speed | 3200 ± 10% R.P.M |
| Rated Voltage | 12 VDC |
| Rated Current | 0.39 A |
| Power Consumption | 4.68 W |
| Connector | SATA & 5V RGB |

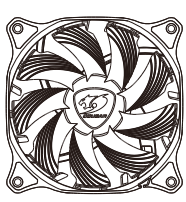
| Radiator | |
|---|---|
| Type | 120mm |
| Dimension (WxDxH) | 154 x 120 x 27mm |
| Material | Aluminum |

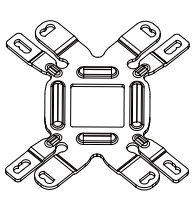
| Tubing | |
|---|---|
| Material | Durable Rubber with Sleeves |
| Length | 400 mm |

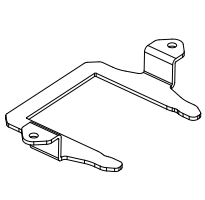
| Fans | |
|---|---|
| Fan Model | Vortex WB 120 |
| Fan Quantity | 1 |
| Dimensions (WxDxH) | 120 x 120 x 25 mm |
| Bearing Type | Hydro-Dynamic Bearing |
| Fan Speed | 600-2000 ± 200 R.P.M |
| Air Flow | 87.1 CFM (Max.) |
| Air Pressure | 2.93 mm-H2O (Max.) |
| Acoustic Noise | <40 dBA (Max.) |
| Rated Voltage | 12 VDC |
| Rated Current | 0.32 A |
| Power Consumption | 3.84 W |
| Cable Length | Fan power: 600 mm |
| Connector & Control | 4 Pin PWM |

The above specifications may vary by country or region

## INSTALL CONTENTS

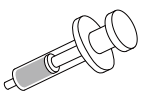

Vortex WB 120 x 1
A


Backplate x 1
B


AMD Bracket x 1
C

Backplate Screw x 4
D

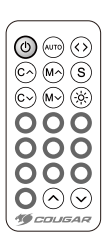

Fan Screw x 4
E


Thermal Paste x 1
F

Nut x 4
G

Spacer x 4
H

Standoff x 4
I


Wireless Controller x1
N

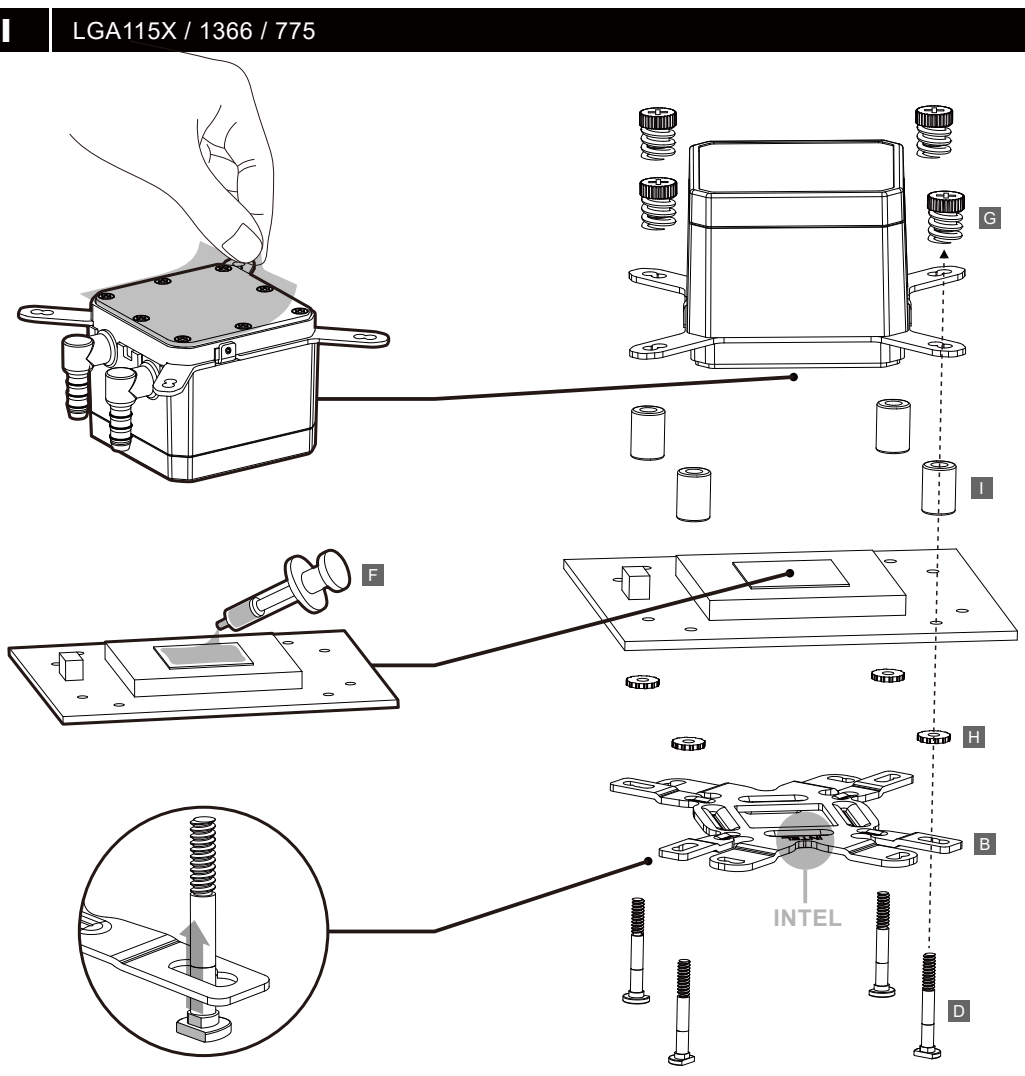
AMD Bracket Screw x 2
K

Screw x 4
L

Radiator Screw x 4
M

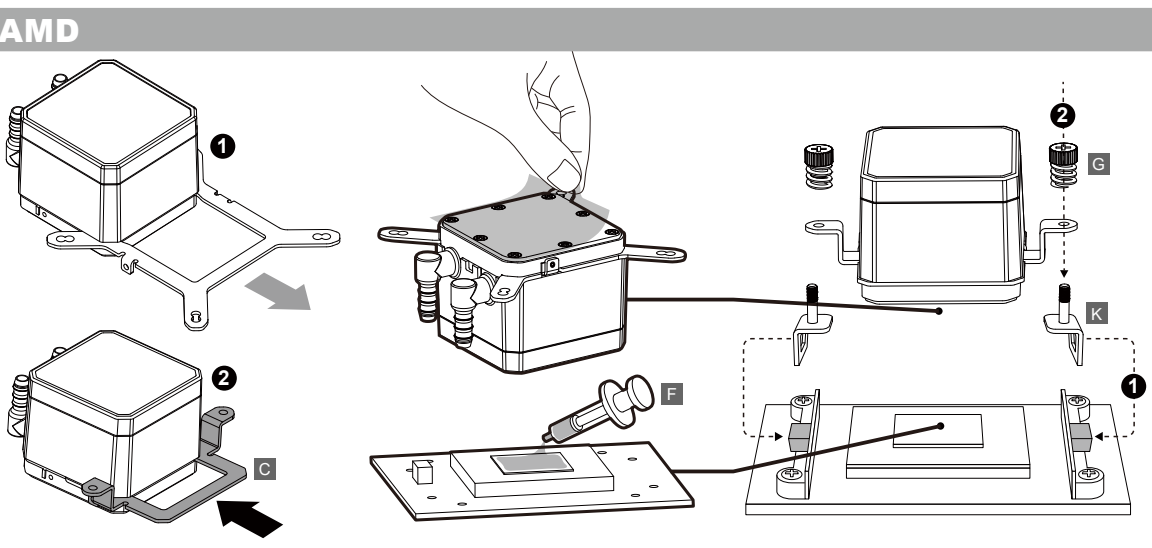
## PREPARATION

### Intel LGA115X / 1366 / 775

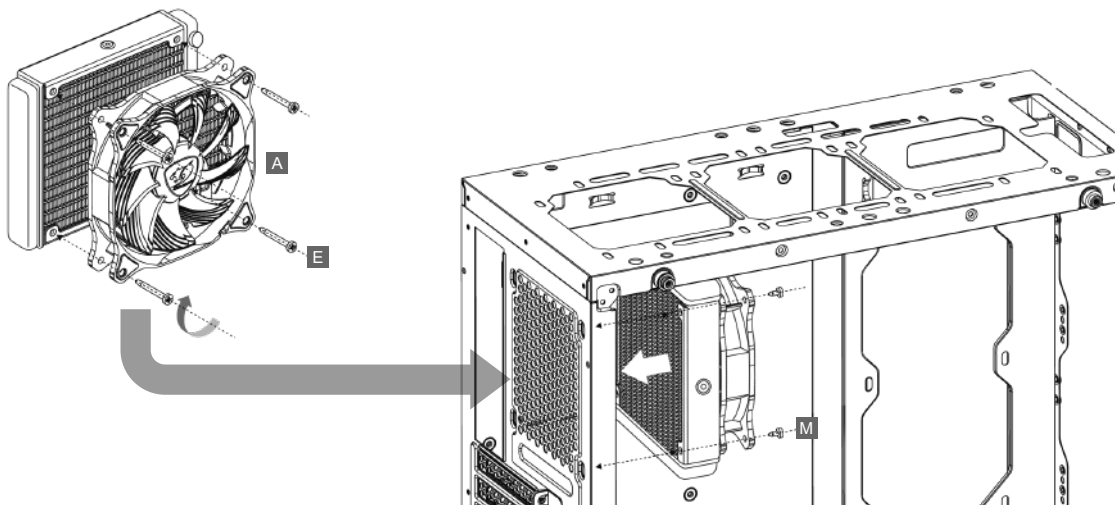


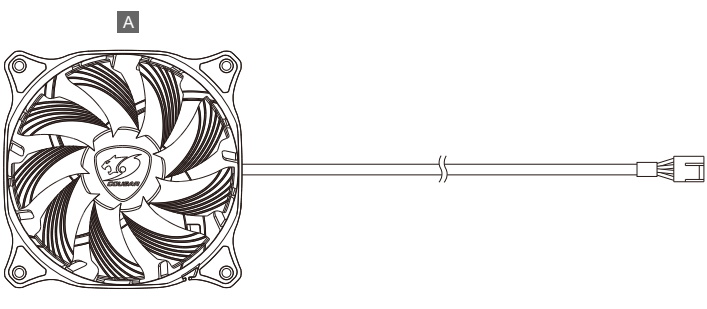

### Intel LGA20XX

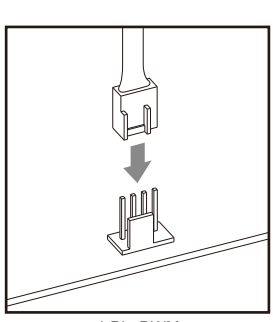
## AMD



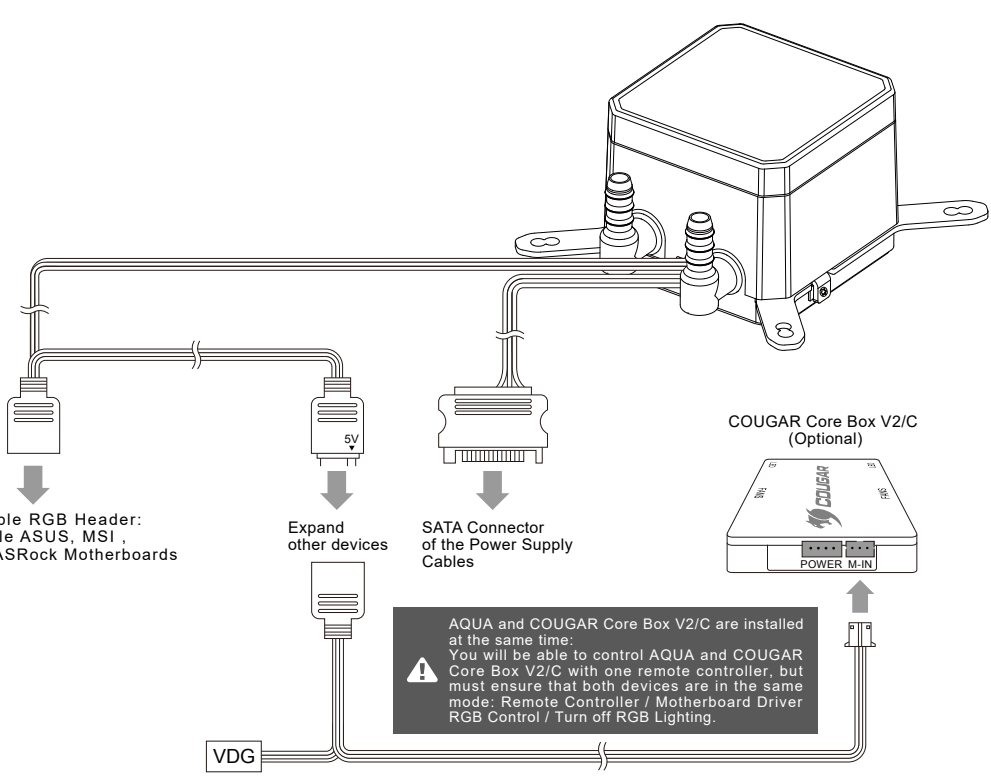

## INSTALLATION



4 Pin PWM




5V Addressable RGB Header:
for Compatible ASUS, MSI ,
Gigabyte or ASRock Motherboards

Expand
other devices

SATA Connector
of the Power Supply
Cables

AQUA and COUGAR Core Box V2/C are installed at the same time:
You will be able to control AQUA and COUGAR Core Box V2/C with one remote controller, but must ensure that both devices are in the same mode: Remote Controller / Motherboard Driver RGB Control / Turn off RGB Lighting.

VDG

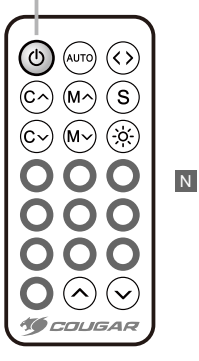
### MODE SWITCHING

AQUA must be connected to 5V Addressable RGB header.

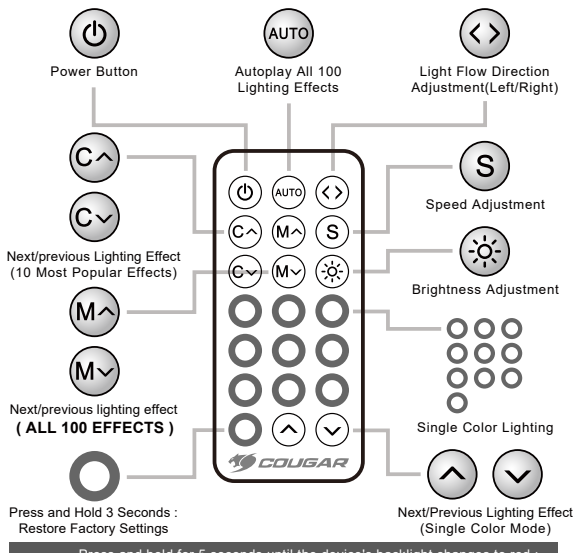
Default: Remote Controller

Press Once: Motherboard Driver RGB Control

Press Again: Turn Off RGB Lighting




### REMOTE CONTROLLER




Press and hold for 5 seconds until the device's backlight changes to red : Bind your AQUA to this Controller
(If a nearby controller is interfering with your AQUA, you can make use of the binding functionality to prevent that AQUA from receiving commands from any controller other than the one it's bound to)

Press and hold for 5 seconds until the device's backlight changes to white : Unbind Your AQUA
(If you lose your controller after binding, use the new Controller to unbind the AQUA before using it)

### PACKAGE CONTAINS

| | | |
|---|---|---|
| AQUA 120 x 1 | Vortex WB 120 x 1 | Wireless Controller x1 |
| | Mounting Kit x 1 | User Manual x 1 |

### GLOBAL WARRANTY POLICY

**WARRANTY PERIODS OF COUGAR GAMING DEVICES**

Product : COUGAR AQUA series CPU liquid cooler
Warranty : 2 Years
This warranty gives you specific legal rights. You may also have other rights granted under local law. These rights may vary.

**WARRANTY AGREEMENT**

- If the product has defects in material or manufacture, COUGAR will provide product repair and replacement service within the warranty period.
- Our warranty service is based on the date of the invoice or warranty card (must be affixed with the store stamp).
  If you lose the aforementioned evidence, we will apply the original shipping date of the product as the beginning date of warranty period. The shipping date will be identified by the product serial number(S/N).

**CONDITIONS WHERE FREE MAINTENANCE IS NOT PROVIDED**

- Any fault or damage caused by natural disasters (including storm, fire, flood, thunder, earthquake, etc).
- Any fault or damage caused by accidental factors and man-made reasons (including hit, scrape, crash, moving, compression, stain, corrosion, use of incurred on unsuitable voltage, computer virus, riot, misuse, malicious damage, etc).
- Use in an improper operating environment (including high temperature, high humidity, water inflow, etc).
- Inability to provide the product warranty card, purchase receipt or invoice to prove the product is still within the warranty period and the shipping date of the product is out of warranty.
- The warranty card or product serial number has been altered or its number is hard to identify.
- The warranty period has expired.
- Any fault or damage caused by non-compliance with regulations stated on the user manual or improper, rough and careless treatment.
- Any fault or damage caused by use of parts not certified by COUGAR original manufacturer.
- The problem is caused by improper repair or adjustment by the buyer or any manufacturer without authorization from COUGAR.
- The product is not acquired from an authorized distributor of the company or is acquired from illicit sources.
- Paper carton, instruction and other accessories are not warranted.

**DISCLAIMERS**

- COUGAR product is not authorized for use as critical components in life support device or for incorrect application software or malfunction of the product.
- COUGAR is not liable for the death or damage of person or loss of property when product is using as, including but not limited to, medical equipment, military equipment, traffic equipment and disaster prevention system.
- COUGAR is not liable for any damages, expenses, lost data, lost revenues, lost savings, lost profits, or any incidental or consequential damages due to using defect product of COUGAR.

If you have any question about the warranty, please feel free to contact us.
Customer support: **https://cougargaming.com/support/contact/upload/**

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Mail: rma@compucaseusa.com

Service email : https://cougargaming.com/support/contact/upload/

More information you will find at cougargaming.com
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- 제품명 : AQUA120
- 전파인증번호 : R-R-CEE-AQUA
- 제조사 : WEI CHANG XING ELECTRONICS (SHENZHEN) CO., LTD. /중국
- 수입판매사 : ㈜쿠거코리아
- 제조년월 : 별도표시
- A/S문의처 : 070-7443-7754

Warning! In order to avoid permanent hearing damage, please always use your headset at safe volume levels. Exposure to high sound levels for extended periods of time may cause permanent hearing damage and even loss.

CAUTION

تعليمات التركيب والأمان:

- .التزم بالوضعية الصحية والمريحة عند استعمال السماعة.
- .يجب التأكد من توصيل كافة التوصيلات بالشكل الصحيح.
- .أحفظ الجهاز بعيدا عن مصادر المياه والرطوبة.
- .افصل التيار الكهربائي فورا في حالة الاشتباه بوجود التماس.
- .تأكد بأن مصدر الطاقة لديك مناسب لما يحتاجه هذا الجهاز.

### ДАТА ИЗГОТОВЛЕНИЯ ПРОДУКЦИИ

год и месяц изготовления продукции указаны в серийном номере продукта.
(существует 2 способа определения даты изготовления, оба способа описаны ниже)

**A** После S/N: первые две цифры означают год, вторые две – месяц изготовления.
Например, S/N: H**1702**000001 означает, что товар был произведен в феврале 2017 года.

**B** После S/N: если указаны буквы, то две буквы представляют цифры из таблицы ниже, и означают год, последующие две цифры – месяц изготовления.
Например, S/N: D**AG02**REVI000001 означает, что товар был произведен в феврале 2017 года.

| A | B | C | D | E | F | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

• Например, AG = 17 = 2017 год