LEVEL 20 RGB

BATTLESTATION GAMING DESK

Assembly & User Manual

Important information
Please read this manual carefully.

- This document contains all relevant safety regulations. Any non-conforming use may result in personal injury or mechanical damage.
- Please read this operation manual carefully before use. The manual provides a lot of important information about the safety, use, assembly and subsequent maintenance of the lifting table; it can avoid many unnecessary injuries.
- If this desk is sold, please provide this manual to the buyer.
- Do not sit or stand on the desk. Do not crawl or lie under the desk.
- Failure to comply with or ignore any safety requirements, assembly instructions, user operations and related warnings may result in serious personal injury or mechanical damage. Please operate and Before assembly, I really understand the relevant regulations. This product is not a toy. Please be careful.
- Ensure that you have received all parts according to the component checklist prior to installation. If any parts are missing or faulty, telephone your local distributor for a replacement.
- If the supply cord is damaged, it must be replaced by the manufacturer and its service agent in order to avoid a hazard.

This product is not intended for use by young children without supervision.
- This product contains small items that could be a choking hazard if swallowed. Keep these items away from children.
- This product is intended for indoor use only. Using this product outdoors could lead to product failure and personal injury.
- This product can be used by children from 8 years old (supervised) to Adult. Users with disabilitiesor lack of experience and operating knowledge should be supervised and given careful instructionprior to using this product. The desktop should never be sat on and children should be prohibitedfrom having unsupervised contact with the product.
- Cleaning and user maintenance shall not be made by children without supervision.

Do not over tighten screws during installation.

CAUTION :
- Please place the product away from corrosive gas, water and dusty environment.
- Alteration or modding of any factory components outlined in the checklist will automatically void your warranty.

USE & LIABILITY
This product is intended for indoor use only. Using this product outdoors could lead to product failure and personal injury.
The height adjustable desk is designed for indoor use and dry work areas only. The desk height is adjustable so that it can be positioned at the most suitable height. Any other use is at user's risk. Under no circumstances does the manufacturer accept warranty claims or liability claims for damages caused from improper use or handling of the desk.

0 SPECIFICATION

Level 20 RGB BattleStation Gaming Desk

Motor	
Voltage	Input 110-240V, 50/60Hz, 1.5A Output 29V, 2.5A
Speed	49 RPM (+/- 5%)
Motor	1
Duty Cycle	10%. Max 2 mins on/ 18 mins off.
Torque	16 Nm
Safety certifications	Motor: CE / UL / TUV Power cord: CE
Controller	Standard 2-Button and Memory 4-Button

Frame	
Size	165cm(L) x 75cm(W) 64.9"(L) x 29.5"(W)
Height range	70cm ~110cm 27.5" ~ 43.3"
Foot size	68cm(L) x 6cm(W) x 7.5cm(H) 26.7"(L) x 2.3"(W) x 2.9"(H)
Max Load	150 kg / 330 lb
Material	Steel-constructed frame for max stability
Cable management	Yes

0 SPECIFICATION

Level 20 RGB BattleStation Gaming Desk

Desktop

Size	165cm(L) x 75cm(W) 64.9"(L) x 29.5"(W)
Desktop thickness	3cm / 1.18"
Max desktop support	Up to super tower chassis (dimension: 27.2"/69CM x 13.5"/34.2CM x 25.4"/64.5CM)
Material	MDF desktop - premium material with anti-scratch / high-pressure Laminate P2
Scratch coating	Yes
Table feet material	Iron

RGB LED Lighting Strip

LED color	16.8 million colors
Software	iTAKE Gaming Engine
Input voltage	5V
Power requirements (Adapter)	Input 100~240V~50/60Hz 1.5A Output 5V5A

0 SPECIFICATION

Level 20 RGB BattleStation Gaming Desk

Digital Lighting Controller	
Controller	RGB LED Strip control box
Input voltage	5V
Interface	USB 2.0 (9pin)
System Compatibility	Windows 7 / 8 / 8.1 / 10

Others	
Top finish	Black
Frame color	Black
Included extra large black mousepad	Dimension: 1606mm / 63.2""(L) x 705mm/27.7""(W) x 4mm / 0.157"(H) Balanced for speed and control playstyles Optimized surface for all mice and sensors Non-slip rubber base
Shipping dimensions	95(L)x87(W)x35.5(H)CM Net weight: 68kg / 149.9 lb Gross weight: 80kg / 176.3 lb
Warranty	2 year warranty(desktop, motor, frame, controller, RGB LED strip and mechanisms)

75cm/29.5"

165cm/64.9"

70~110cm/
27.5"~43.3"
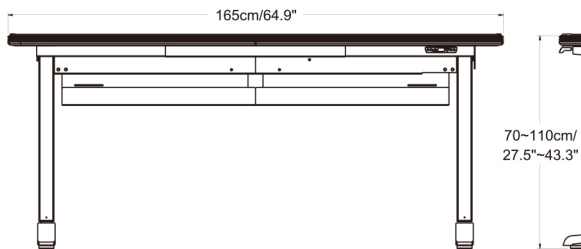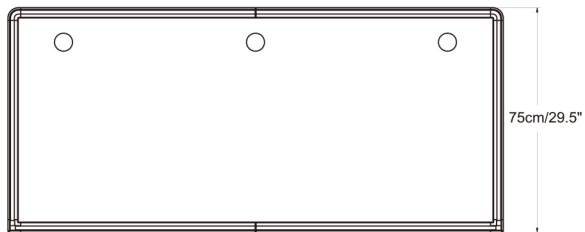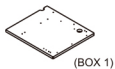
A Desktop-left x1
(BOX 1)

B Desktop-right x1
(BOX 1)

C Leg bracket-left x1

D Leg bracket-right x1

E Leg-left x1

F Leg-right x1

G Front bracket-mid x1

H Crossbar-left x1

I Plastic rubber foot x4

J Crossbar-right x1

K Crossbar-mid x1

L Front bracket X2

M Cable tray cover x1

N Cable slot-left x1
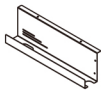
O Cable slot-right x1
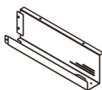
P Foot x2

Q Wire hole cover x3

R Control panel x1

S Motor controller x1

T Transmission shaft x1

U Hexagonal drive shaft x1

V Led Controller x1

W USB cable x1

X Led Addapter x1

Y LED 1.6m x1

Z LED 3m x1

AA Mouse pad x1
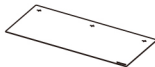
0 SCREW & TOOLS

1 M6x18 X26

2 M8x20 X6

3 M8x15 X16

4 M5x15 X8

5 M5 X8

6 M5x8 X3

7 M6x12 X14

8 Sleeve X1

9 M5x16 X7

10 Washer X6

11 Wire clamp X2

12 Plastic parts for desk X2

13 M3 X1

14 M4 X1

15 M5 X1

16 H8 X1

It is recommended to use hand tools &
electric hand tools / no inclusion

⊕
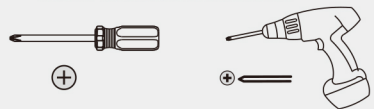
1 Assembling Leg & Leg Bracket

4 x8
5 x8

C x1
D x1
E x1
F x1
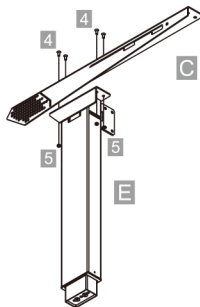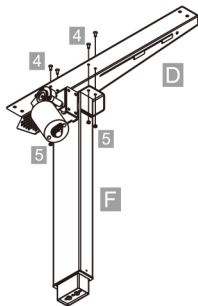
According to the illustration, assemble leg and leg bracket.

2 Assembling Foot & Plastic Rubber Foot

2 x6
10 x6
P x2
I x4

According to the illustration, assemble foot and plastic rubber foot.

3 Assembling Desktop

12 x 2
A x 1
B x 1

According to the illustration, the plastic parts are stuck to the left and right table plates, and the aluminum plate is squeezed into the gap to combine the table.

4 Assembling Foot

1 x 8

According to the illustration, assemble leg on desktop.

5 Assembling Front Bracket & Desktop

1 x 10
G x 1
L x 2
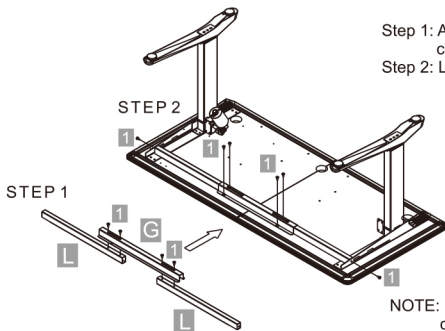
Step 1: According to the illustration, combine the front bracket.
Step 2: Lock the bracket to the desktop.

STEP 2
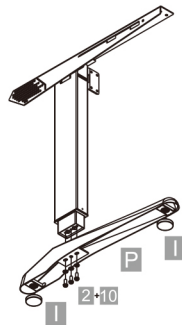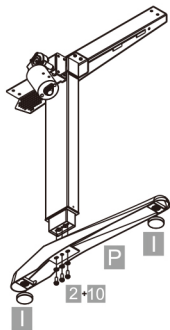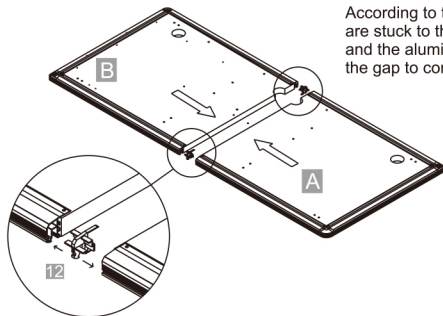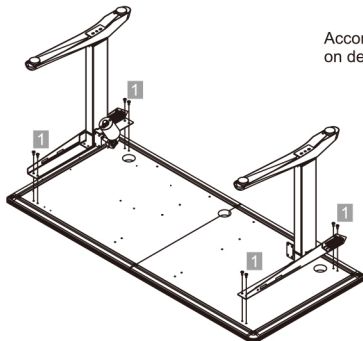
STEP 1

NOTE: Do not fully tighten screws until completely assembled.

6 Assembling Transmission Shaft

8 x 1
U x 1
T x 1
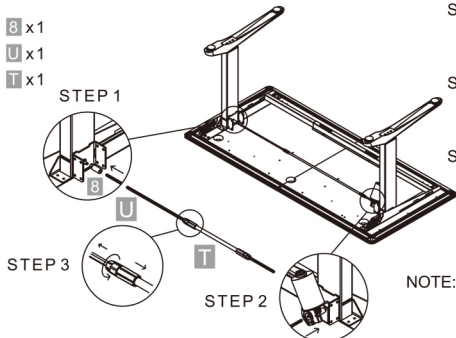
STEP 1

Step 1: According to the illustration, put the drive shaft sleeve into the correct position, please note that it must be fully inserted, and then put the hex drive shaft into the drive shaft sleeve.
Step 2: Pick up the motor plastic plug and put the drive shaft into the motor. Please pay attention to fully insert the plastic part and loosen the plastic part on the other side.
Step 3: Adjust the drive shaft to the appropriate length and lock it.

STEP 3

STEP 2

NOTE: After completing this step, you can pre-install step 15 to install the controller to test the lifting function.

7 Assembling Crossbar

7 x 14
K x 1
J x 1
H x 1

According to the illustration, assemble crossbar.

NOTE: According to the illustration, use the provided screw to lock the iron plate.
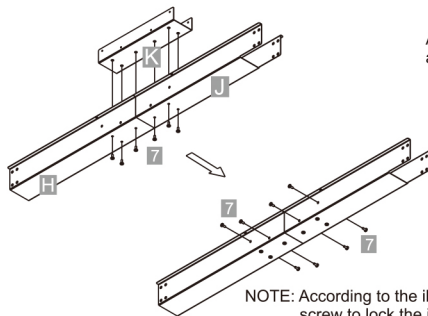
8 Assembling Crossbar & Leg

3 x 16

According to the illustration, assemble crossbar and leg.

NOTE: Do not fully tighten screws until completely assembled.
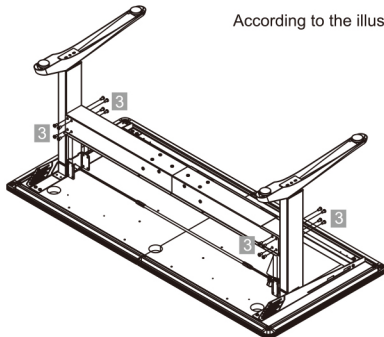
9 Assembling Crossbar & Desktop

1 x4
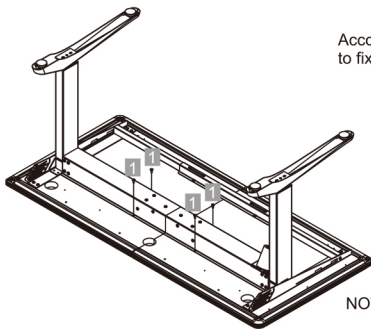
According to the illustration, use screws to fix crossbar onto desktop.

NOTE: Do not fully tighten screws until completely assembled.

10 Assembling Motor Controller

9 x2

S x1
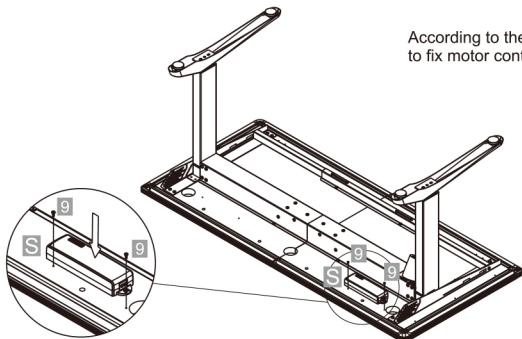
According to the illustration, use screws to fix motor controller onto desktop.

11 Assembling Cable Slot

6 x3
N x1
O x1

According to the illustration, assemble cable slot.

O

6

6

6

N
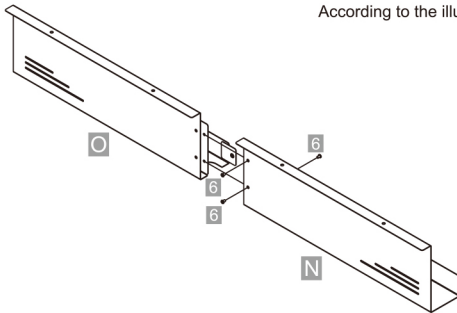
12 Fixing Cable Slot to Desktop

1 x4

According to the illustration, assemble cable slot onto desktop.

1

1

1

1
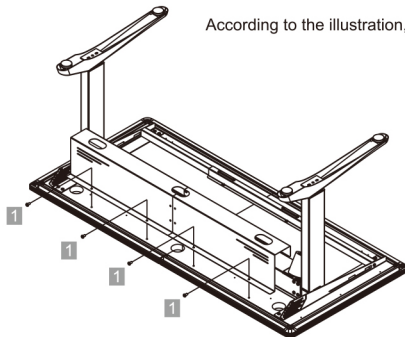
13 Assembling Control Panel

9 x2
R x1
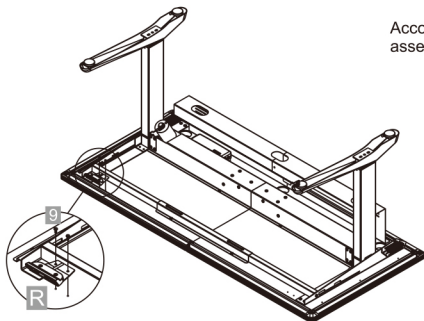
According to the illustration,
assemble control panel onto desktop.

14 Assembling LED

Y x1
Z x1
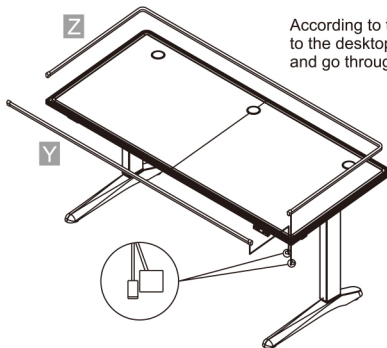
According to the illustration, assemble the LED
to the desktop, and let the LED control line,
and go through the hole on the lower right side.

15 Assembling Motor Set

S x1
R x1
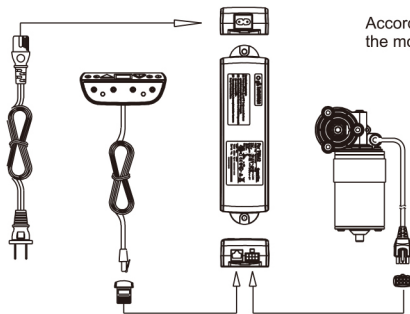
According to the illustration, assemble the motor controller and panel controller.

16 Fixing Cable Tray Cover

9 x3
M x1
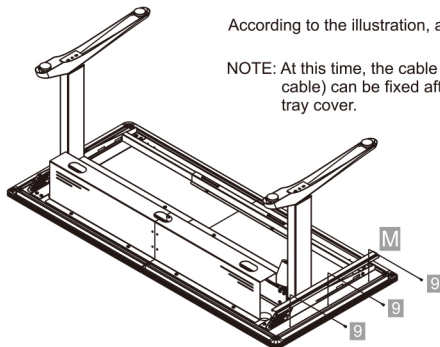
According to the illustration, assemble the cable tray cover.

NOTE: At this time, the cable (LED strip/motor lift controller cable) can be fixed after being placed in the cable tray cover.

17 Fixing the Wire Hole Cover

Q x3
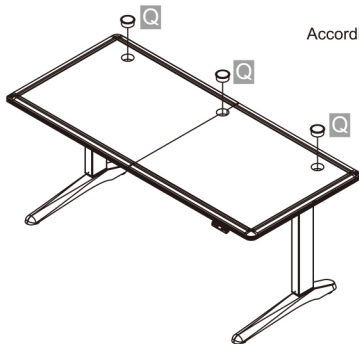
According to the illustration, fix wire hole cover.

18 Mouse Pad

AA x1
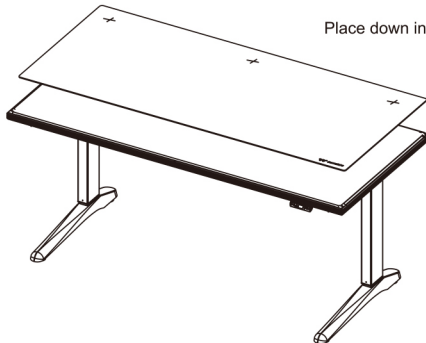
Place down included full surface mouse pad.

V x1
W x1

According to the illustration, insert the Micro USB into the corresponding port.

V x1
W x1

According to the illustration, insert the small 4pin connector into the corresponding port.

21 Assembling LED Controller (STEP 3)
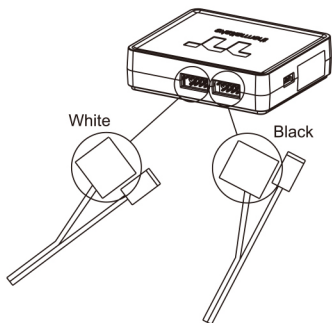
According to the illustration, insert the USB 9-pin cable into the opposite hole (please note the difference in color).

White

Black

Note
1.6m (LED): White terminal
3m (LED): Black terminal

22 USB installation
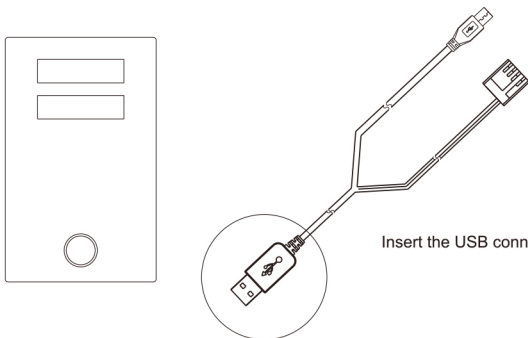
Insert the USB connector into your computer.

Mode-3

Mode-4

Height - Up

Mode-1

Mode-2

Digital control panel

Height - Down
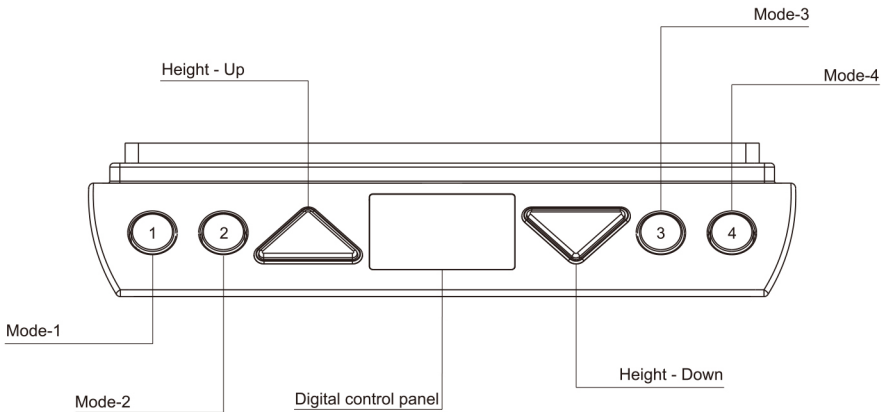
IMPORTANT: You must reset the desk prior to use.
Make sure no obstacles are in the desk's path and the desk
is clear of walls. Verify all cables are the appropriate length
to accommodate the max height.

Control panel

1. Press and hold ▲ to raise height level.
2. Press and hold ▾ to lower height level.
3. Display will turn off after 10 seconds of. Press any button to activate display.

Reset

1. Press both ▲ and ▾ buttons at the same time for 3 seconds to reset desk to default position. The control box will 'beep' to confirm successful reset. Pressed buttons can now be released.
2. When conducting reset, display will show "E00" during last 100mm. When finished resetting, display will indicate default starting height.
3. If ▲ and ▾ buttons are released before reset is completed, the desk will not function. The display will indicate "E00" if any button is pressed. User must complete reset procedure to revert to normal operation.
4. Reset is necessary for first operation of the desk.

Starting Height Display change

1. Default starting height is 70cm.
2. To adjust the starting height, press ▾ button to go to the lowest position of the desk. At the lowest position, press ▾ button again for at least 5 seconds, display starts flashing for 10 seconds.
3. During the 10 seconds, press ▲ or ▾ buttons to adjust the starting height number. After 10 seconds, the display stops flashing and the preferred starting height is shown and has been stored.

Storing Memory Profiles

1. Supports 4 memory positions.
2. Operate the desk to preferred height.
3. Press any of ①②③④ together with ▲ or ▾ for 2 seconds to store the current height. Display shows P1/P2/P3/P4 when the position has been stored.
4. When there is already a position stored, hold the button ①②③④ until the desk reaches the stored height.
5. Stored position can only be overwritten but not to be cleared.

Customizing Desk Height – setting new upper & lower limits for your desk

Setting Upper Limit

1. Operate the system and stop at the preferred upper limit height.
2. Press ▲ + ▼ together, and release ▼ within 3 seconds (before it goes to reset mode)
3. Keep holding ▲ and press ▼ button 3 times continuously.
4. One 'beep' sound will indicated successful completion of setting.

Setting Lower Limit
1. Operate the system and stop at the preferred lower limit height.
2. Press ▲ + ▼ together, and release ▲ within 3 seconds (before it goes to reset mode)
3. Keep holding ▼ and press ▲ button 3 times continuously.
4. One 'beep' sound will indicated successful completion of setting.

Clearing Upper Limit
1. Go to set upper limit.
2. Press ▲ + ▼ together, and release ▼within 3 seconds (before it goes to reset mode)
3. Keep holding ▲ and press ▼ button 3 times continuously.
4. One 'beep' sound will indicated successful completion of setting.

Clean Lower Limit
1. Go the set lower limit.
2. Press ▲ + ▼ together, and release ▲within 3 seconds (before it goes to reset mode)
3. Keep holding ▼ and press ▲ button continuously for 3 times.
4. One 'beep' sound will indicated successful completion of setting.

RESET (Reset Limitation)
1. Using the reset function will reduce desktop height to lowest default height setting of 70cm.
2. Using the reset function will result in the desk exceeding the preset lower height limit,
   if one has been set.
3. After resetting, desk will only be able to move up until preset lower height limit has been passed.
4. After reset, when height exceeds the new lower limit, a 'beep' will sound as confirmation.

24 TROUBLESHOOTING

1. If your desk is not functioning properly it may need to be reset. Unplug the power cord for 20 seconds.
   Plug the power cord back in and follow the RESET procedure outlined in Step 23.
2. Reset may be needed from time to time in events like non-movement, uneven movement, sudden
   power outage, over-load, overheat and etc.

Error Code	Protection	Situation	Buzzer Alert	Solution
E00	Incomplete reset	Reset incomplete. ex. release of any button while retracting	None	Keep pressing UP&DOWN buttons at the same time til hear 1 Beep from control box(TC).
E01	Overuse protection (10% duty cycle)	The protection will be activated after operating continuous use more than 5mins.	E01 flashes for 5 secs. Long 3 beeps.	Stop playing the desk for 3 mins at least, it needs calm down for a while after working too hard.
E11	Motor overcurrent Overload protection	1.Desk overload. 2.Internal transmission of column is jammed	E11 flashes for 5 secs. 5 beeps.	Check the load on the desk if it's overloaded. If not, please contact supplier for mechanism inspection.
E21	Motor no Hall sensor signal	Desk is not allowed to operate.	E21 flashes for 5 secs. Long 1 beep.	Check the cable status if any damage, reset before operating. Contact supplier for motor or motor cable replacement.
E31	Motor No current	Desk is not allowed to operate.	E31 flashes for 5 secs. 4 beeps.	Check all the plugs if connecting well. Re-plug all the plugs are recommended.

thermaltake