

309

User Manual





Product Story

Inspired by the beauty of stained glass, the 309 is for RGB enthusiasts that crave their PCs to be a light show, a club or festive enough for the holidays. Create your own designs with 144 addressable RGB LEDs! For the love of RGB, can we get anymore LEDs?! Yes actually, by including our EGO fans with 16 MORE LEDs per fan. The 309 will be the light of your life!

Specifications

Model	309
Part Number	IW-309-Black
Colors	Black
Case Type	Mid Tower
Materials	SECC, Tempered Glass, ABS
M/B Compatibility	12" x 11" ATX, Micro-ATX, Mini-ITX
Expansion Slots	PCI-E x 7
Maximum Compatibility	▪ VGA Card Length: 350mm (Maximum) ▪ CPU Heatsink Height: 160mm
Front Ports	▪ 1 x USB 3.1 Gen 2 Type-C ▪ 2 x USB 3.0 ▪ HD Audio ▪ LED & Fan Mode Button ▪ LED & Fan Control Buttons
Internal Drive Bays	▪ 2 x 3.5" ▪ 2 x 2.5" (2 Pre-Installed, Max. up to 3 bays)
Thermal Solution Compatibility	▪ 1 x 120mm Rear Fan / 120mm Radiator ▪ 3 x 120mm Top Fan / 360mm Radiator ▪ 3 x 120mm Bottom Fan / 360mm Radiator (Slim) (4 InWin EGO Fans Pre-Installed: 3 on Top; 1 at Rear)
Power Supply Compatibility	PSII: ATX12V - Length up to 200mm
Product Dimensions (H x W x D)	500 x 238 x 553mm 19.7" x 9.4" x 21.8"
Package Dimensions (H x W x D)	335 x 618 x 706mm 13.2" x 24.4" x 27.8"
Net Weight	13.65kg / 30.1lb
Gross Weight	17.06kg / 37.6lb

- * Our products comply with RoHS regulation.
- * Specifications may vary based on different regions.
- * Extra fee for optional parts.



Specifications (InWin EGO Fans)

Model	EGO AE120
Fan Size	120 x 120 x 25mm
Materials	Silicone, PC
Rated Voltage	DC 12V
Rated Power	0.76W
Rated Current	0.06A
ADD RGB Rated Voltage	5V
ADD RGB Rated Power	4W
ADD RGB Rated Current	0.8A
Speed Mode	(PWM) 800~1400 RPM Turbo Mode: 2000 RPM Max.
Air Flow	40.7 CFM Turbo Mode: 58.05 CFM
Air Pressure	1.51mm/ H2O Turbo Mode: 2.74mm/H2O
LED	Addressable RGB
Connector	6-Pin Modular
Noise Level	< 22 dB(A) Turbo Mode: 32 dB(A) Max.
Bearing Type	Sleeve Bearing

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Package Contents



309 Chassis



**Mag-Ear Headphone Hanger
(Random Color)**



Accessories Bag



QR Code Card



Accessories Bag



X7

Motherboard
Stand-offs



X1

Motherboard
Stand-off Socket



X18

Hexagon Head
Screws



X18

2.5" HDD Screws



X10

3.5" HDD Screws



X10

Cable Ties



X8

Water-cooling
System Washers



X1

Graphics Card Holder



X12

M3 Thread Water-Cooling
Radiator Screws
(EGO Exclusive)



X12

#6-32 Thread Water-Cooling
Radiator Screws
(EGO Exclusive)



Case Structure



- 1** Power Button
- 2** HDD LED Indicator
- 3** USB 3.0 Ports
- 4** USB 3.1 Gen 2 Type-C Port
- 5** Audio Ports (Earphone and Microphone)
- 6** Reset Button
- 7** LED & Fan Mode Button
- 8** LED & Fan Control Buttons

Case Structure



9	Power Supply Mounting Area
10	3.5" Drive Bay
11	2.5" Drive Bay
12	Top Fan / Radiator Mounting Area (3 InWin EGO Fans Pre-Installed)
13	Rear Fan / Radiator Mounting Area (1 InWin EGO Fan Pre-Installed)
14	Bottom Fan / Radiator Mounting Area
15	Motherboard Mounting Area
16	PCI-E Expansion Slots
17	Extra PCI-E Supporting Mounting Hole
18	Shock-Proof Stands
19	Fan Dust Filter



Installation Guide

- Please follow the related chapters to assemble.
- Please use original provided accessories to avoid damage to the product.

1

Opening the Chassis

Please remove by pressing the handle on top of panel.



2

Clock Synchronization

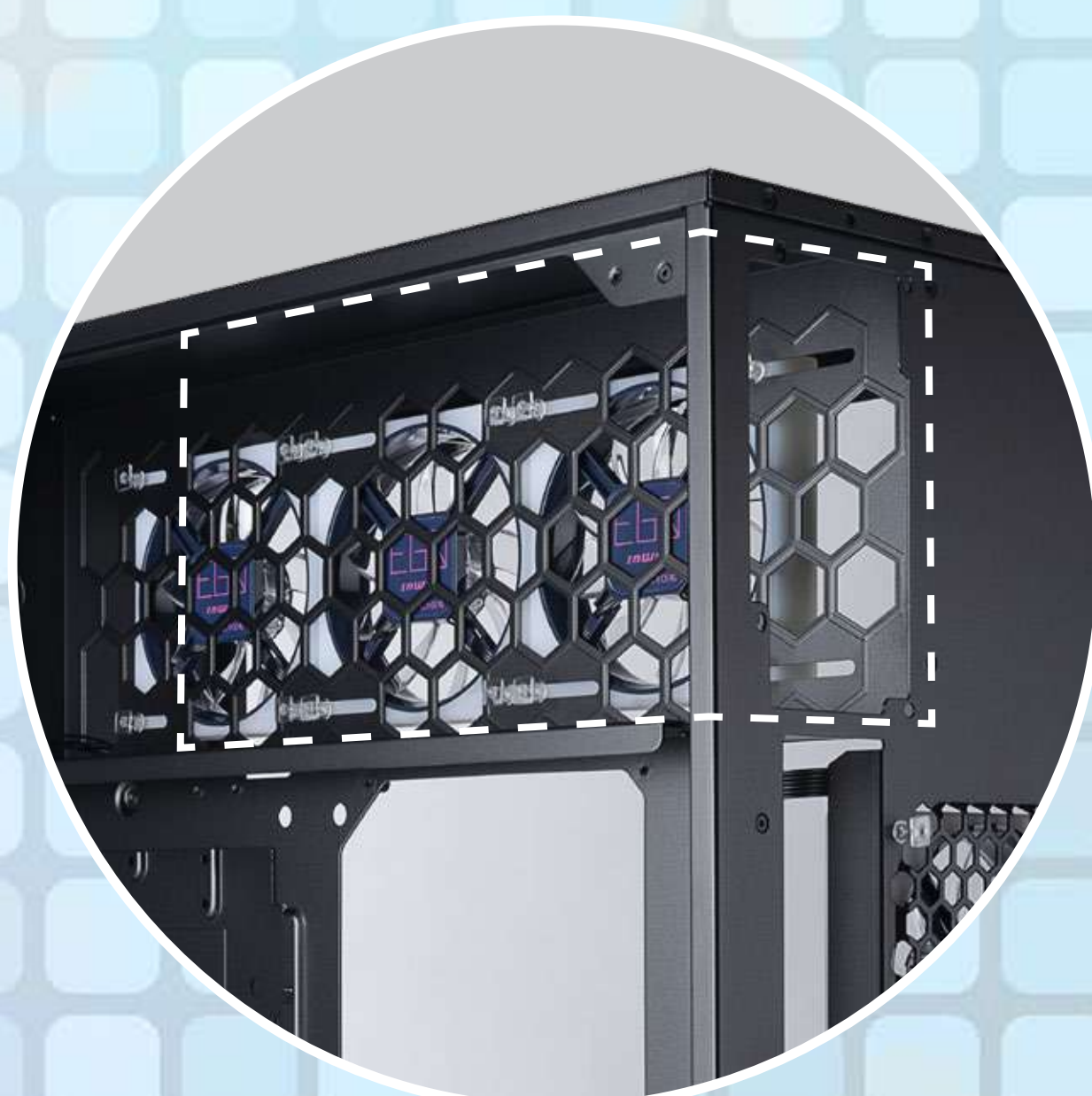
Please pull the plastic mylar tab to activate the clock synchronization, then run the GLOW2 software to provide accurate time on the front panel.



3

Power Supply Installation

Parts Required:
Hexagon Head Screws
Power supply can be mounted on the top bracket



4

Motherboard Installation

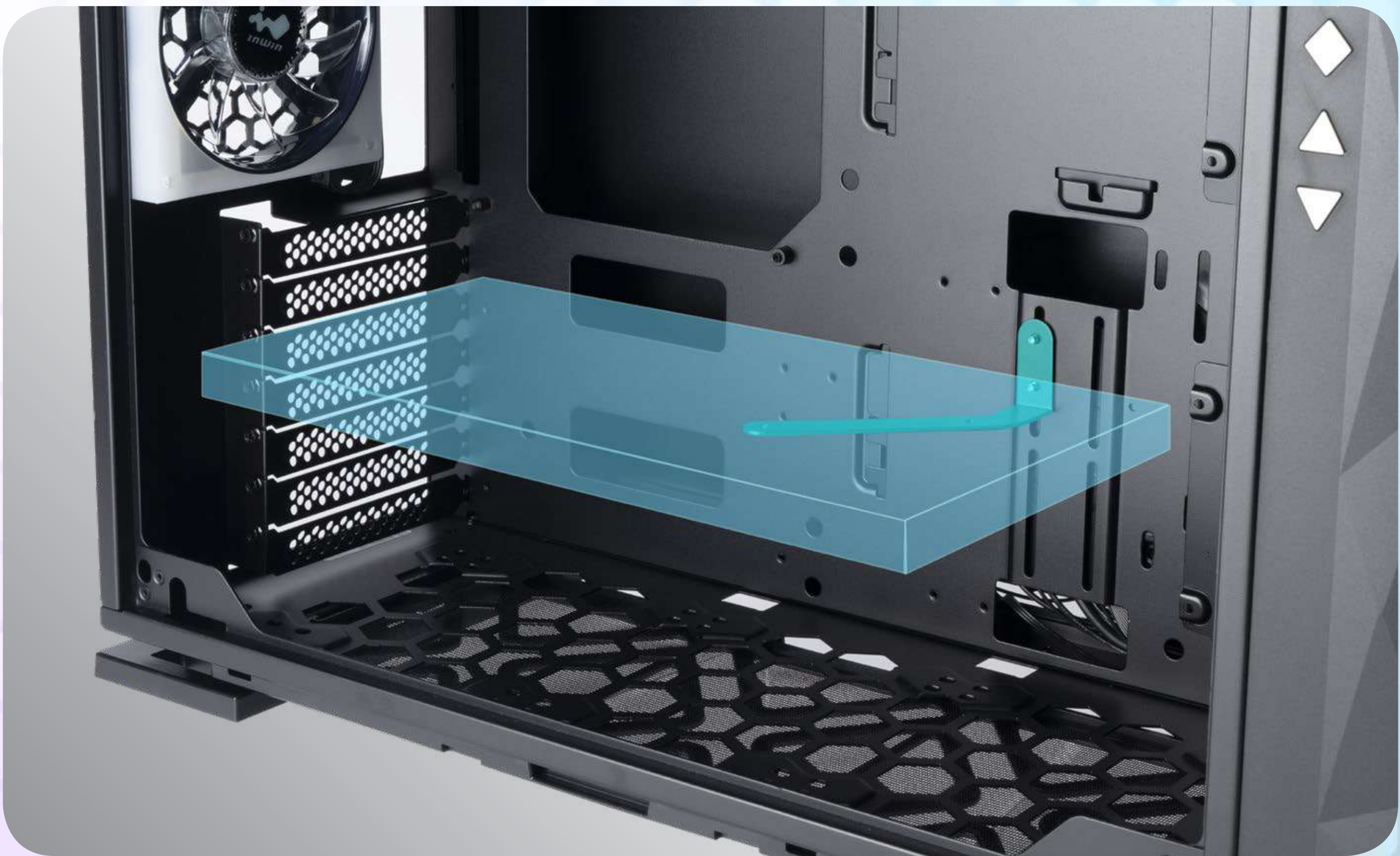
Parts Required:
Motherboard Stand-Offs,
Motherboard Stand-Off
Socket, Hexagon Head
Screws



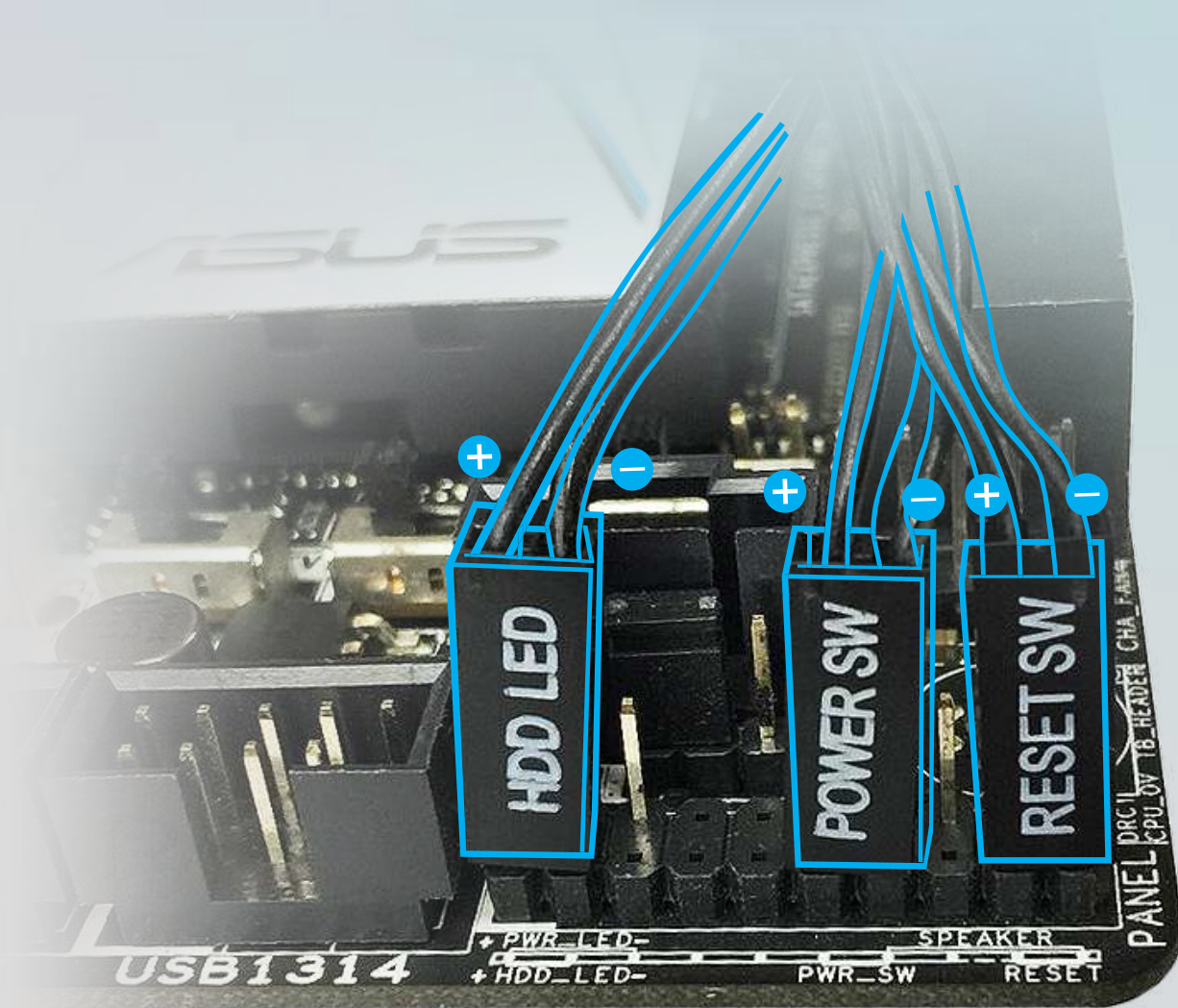
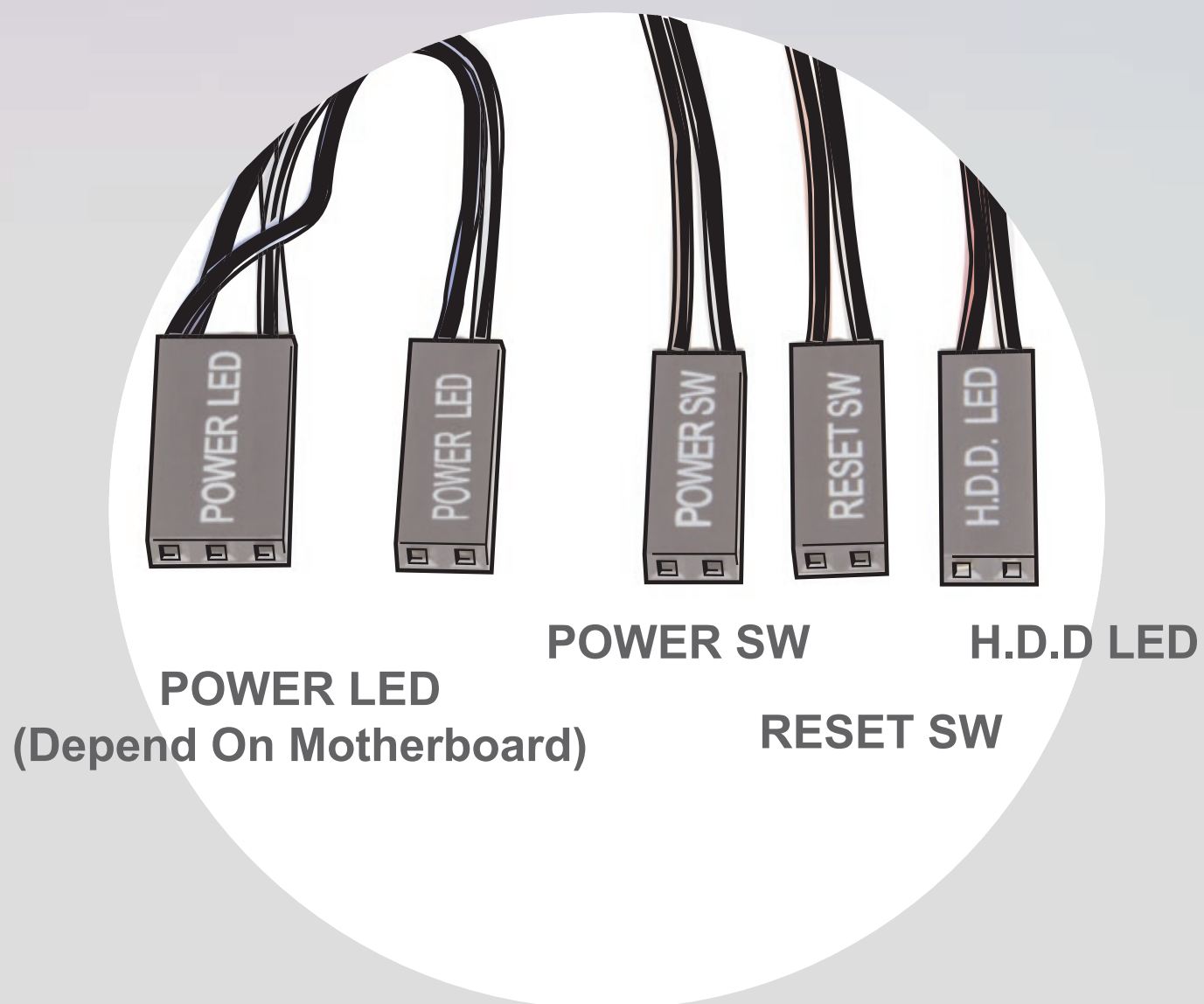
5

Expansion Card Installation

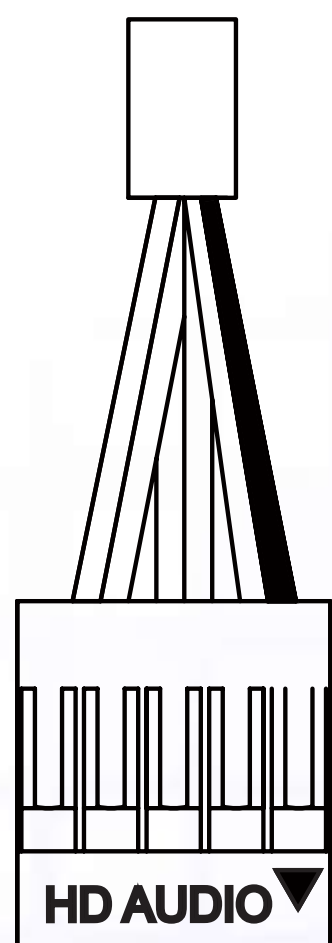
Parts Required:
Hexagon Head Screws,
Graphics Card Holder



I/O Wires Installation

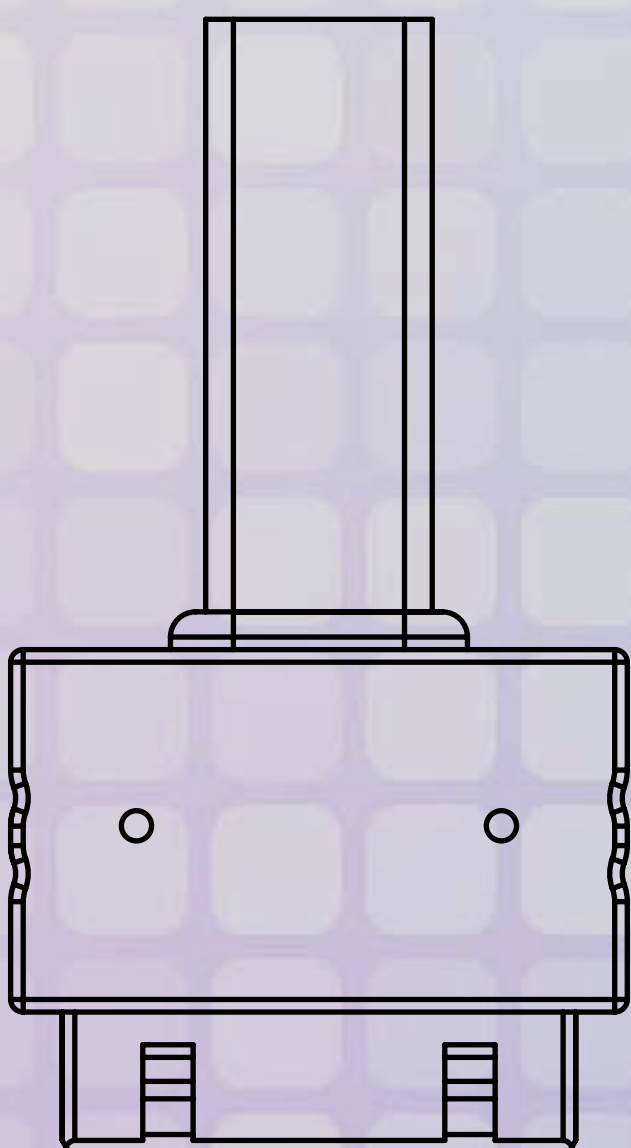


HD Audio Header



PORT2_L	BLUE	10	 		9	BROWN	SENSE2_R
SENSE_SEND	PURPLE	8	 		7		KEY
PORT2_R	YELLOW	6	 		5	WHITE	SNAS1_R
PORT1_R	RED	4	 		3	ORANGE	PRESENCE#
PORT1_L	GREEN	2	 		1	BLACK	GND

USB3.0 Header



PIN#1

PIN#19

Vbus 1

IntA_P1_SSRX- 2

IntA_P2_SSRX+ 3

GND 4

IntA_P1_SSTX- 5

IntA_P1_SSTX+ 6

GND 7

IntA_P1_D- 8

IntA_P1_D+ 9

ID USB OC- 10

19 Vbus

18 IntA_P2_SSRX-

17 IntA_P2_SSRX+

16 GND

15 IntA_P2_SSTX-

14 IntA_P2_SSTX+

13 GND

12 IntA_P2_D-

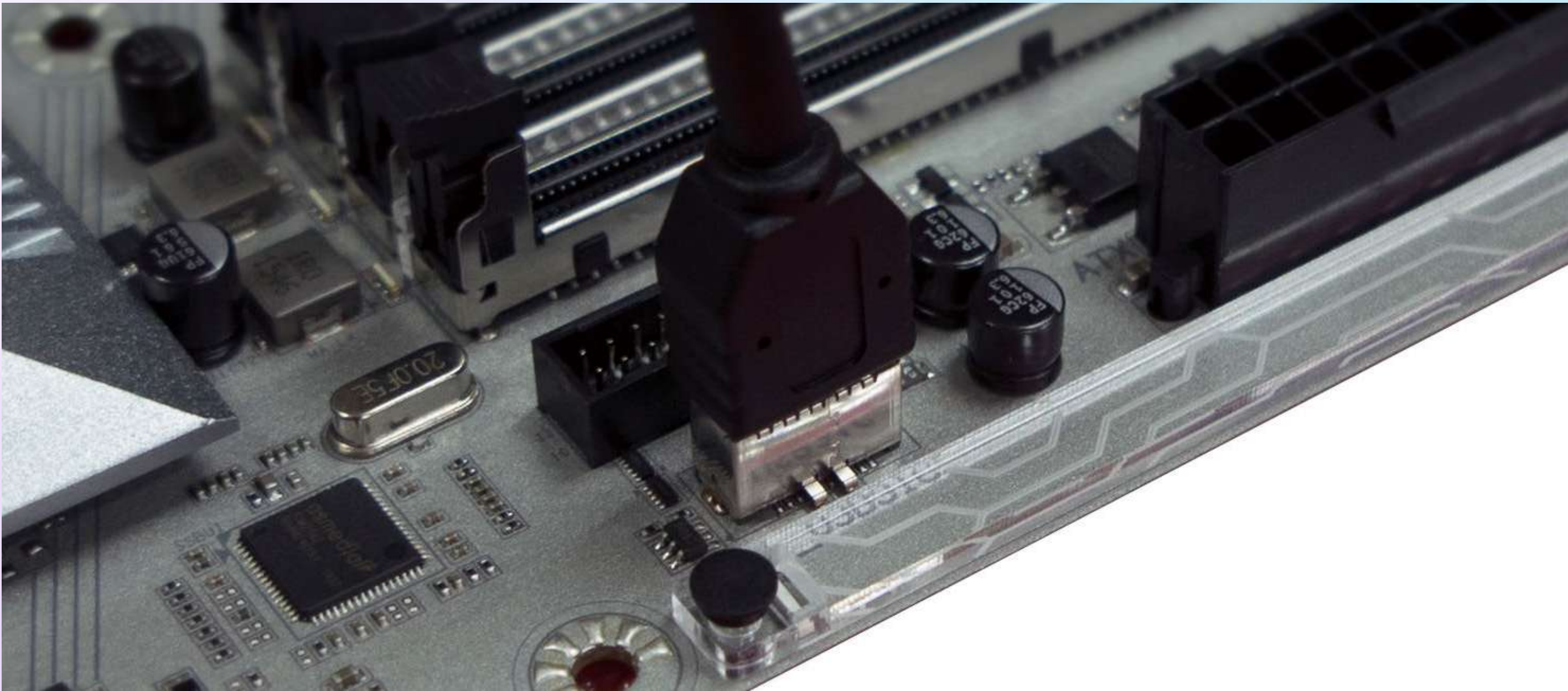
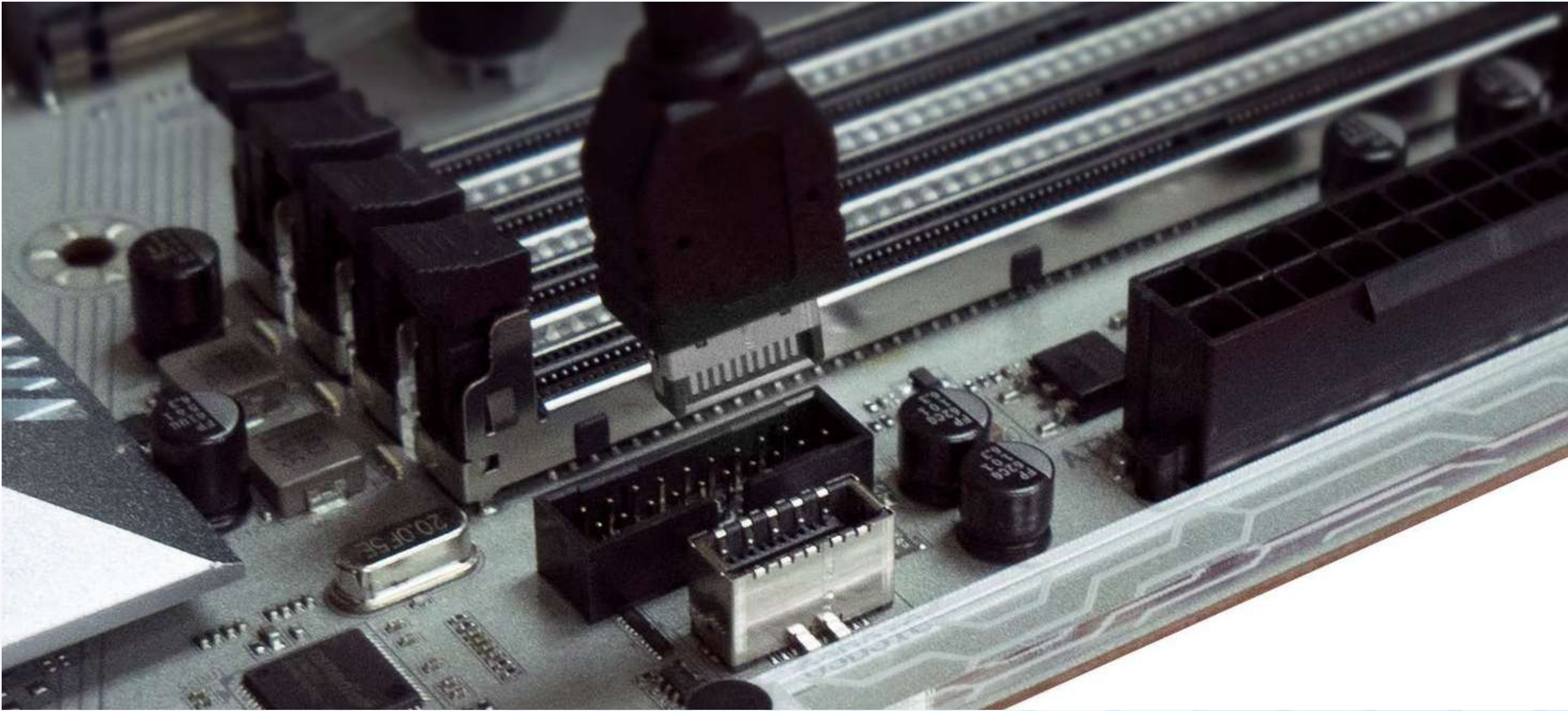
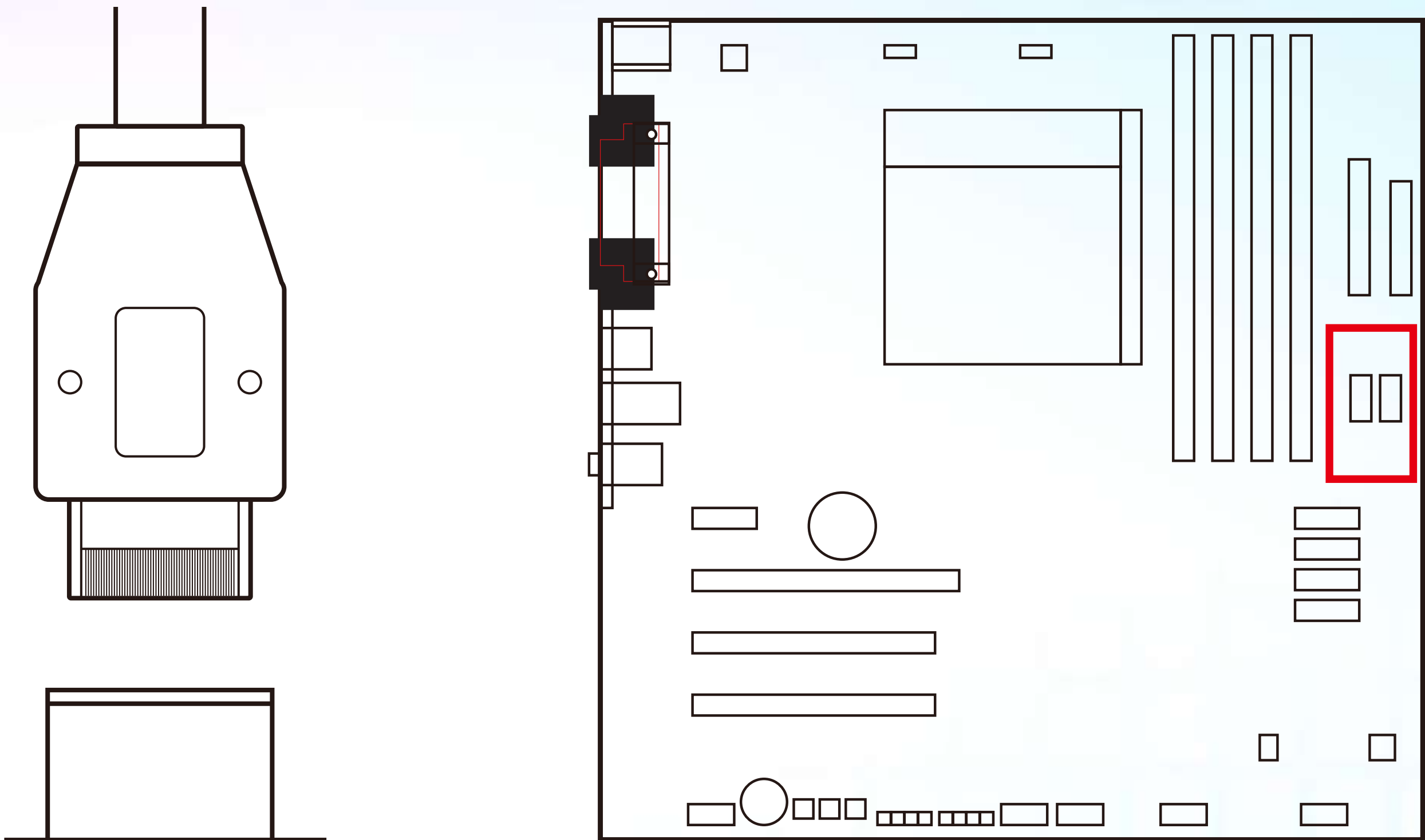
11 IntA_P2_D+

PIN#10

PIN#11

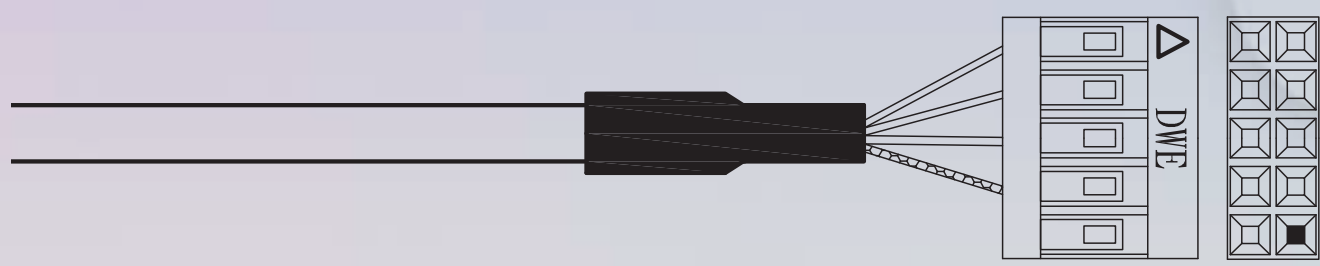
The Instructions of Type-C Cable

If your motherboard supports Type-C, please connect the Type-C connector with the header directly on the motherboard.



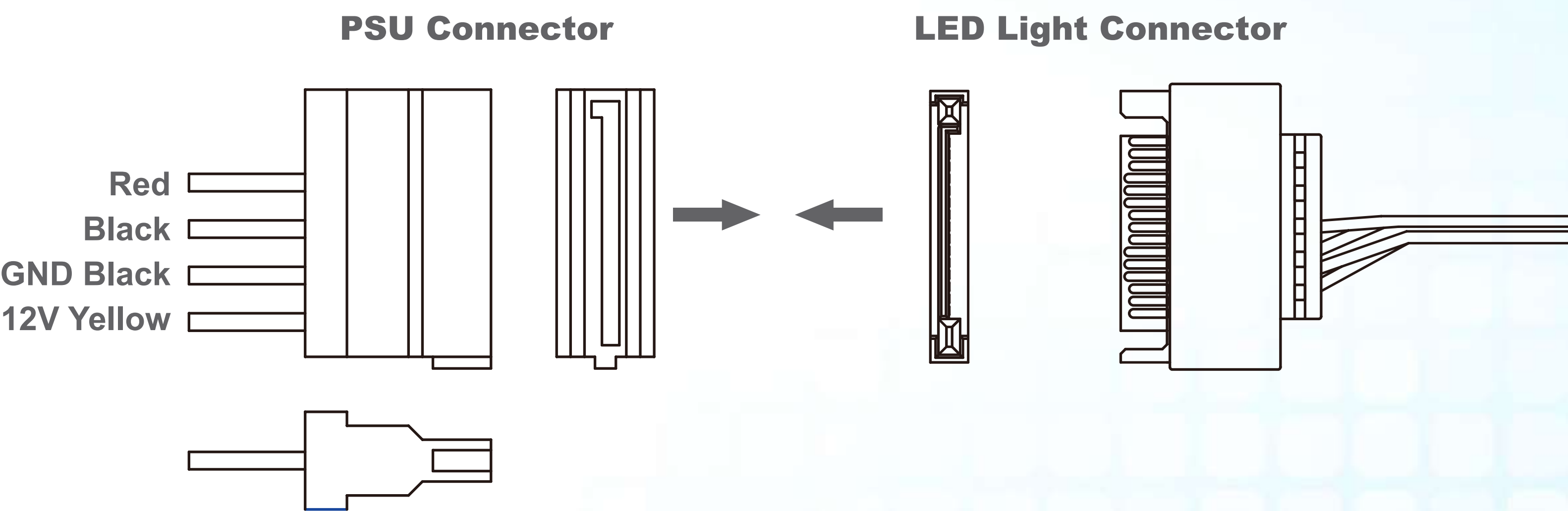
USB Cable

Please plug in USB port on motherboard.



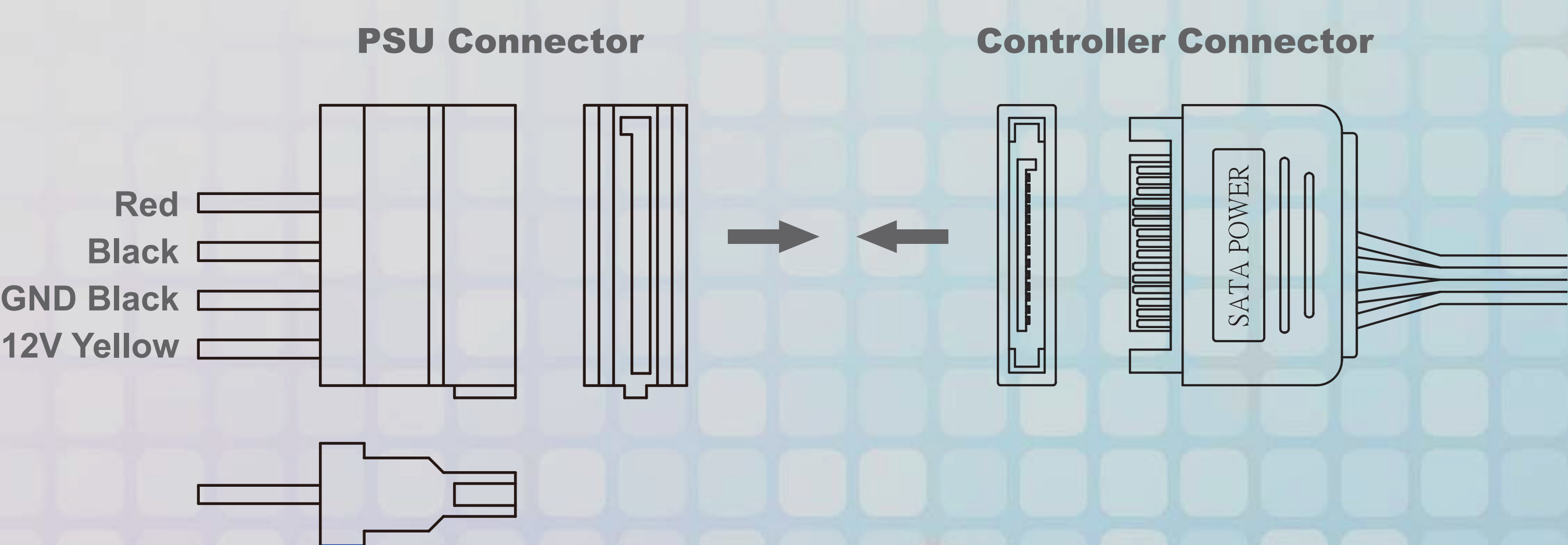
LED Power

Ensure the beveled edge of the PSU connector is properly aligned with the beveled edge of the LED light connector.



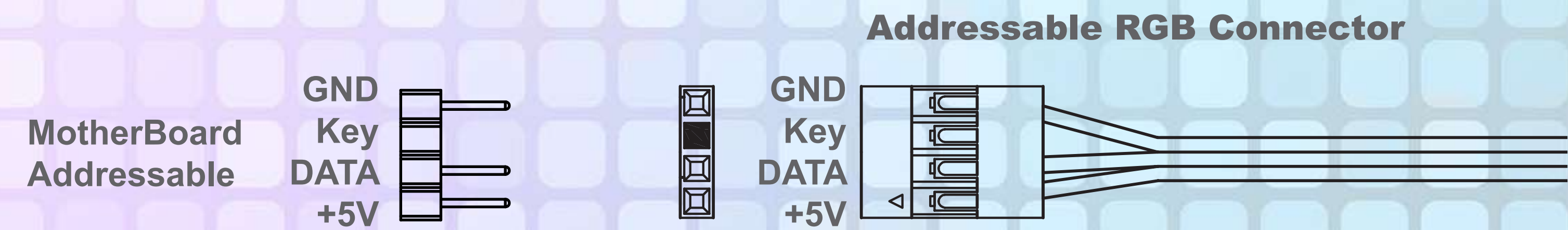
Controller Power

Make sure the PSU connector is properly aligned with the controller connector from edge to edge.



Addressable RGB Cable (Optional Installation Steps)

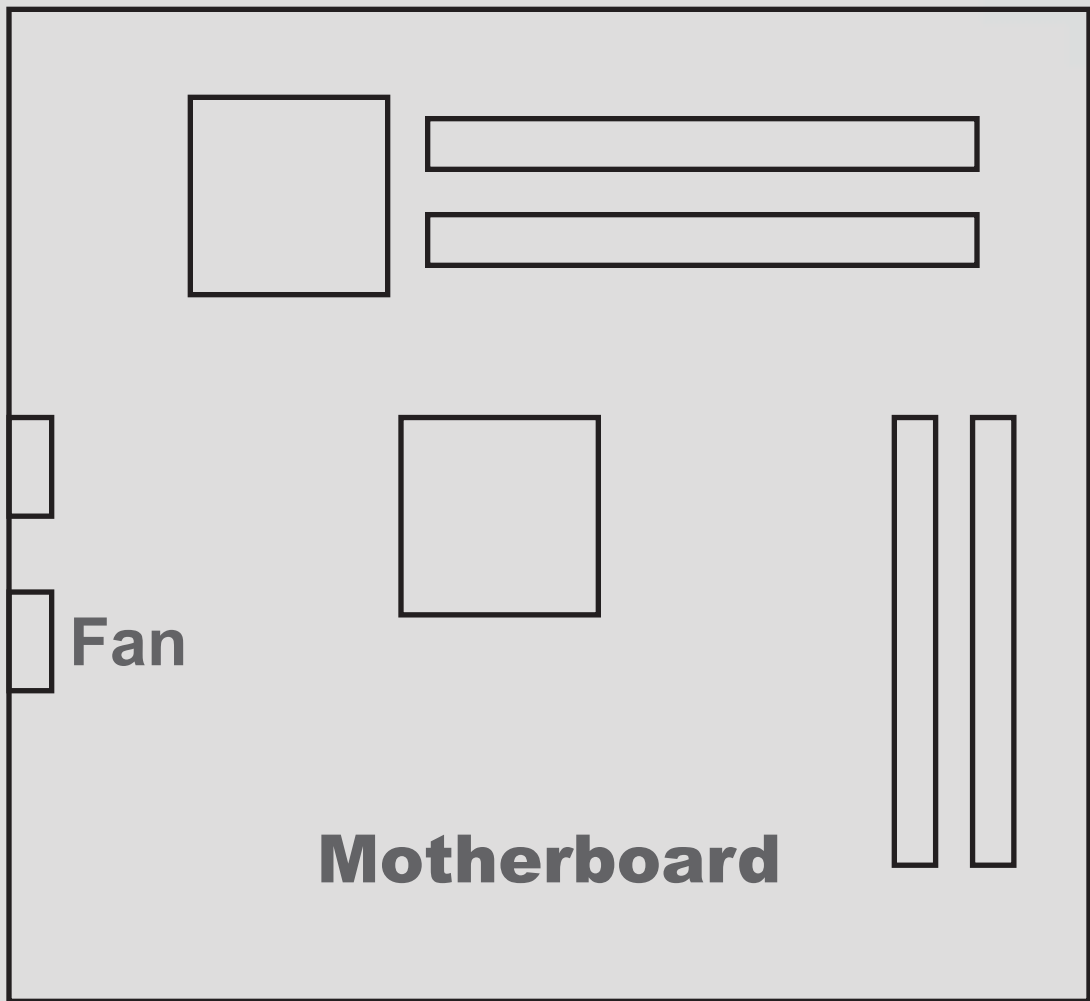
If your motherboard supports the addressable RGB effect, please follow the directions of the image below and insert addressable RGB cable into the 3-pin, 5V header directly on the motherboard.



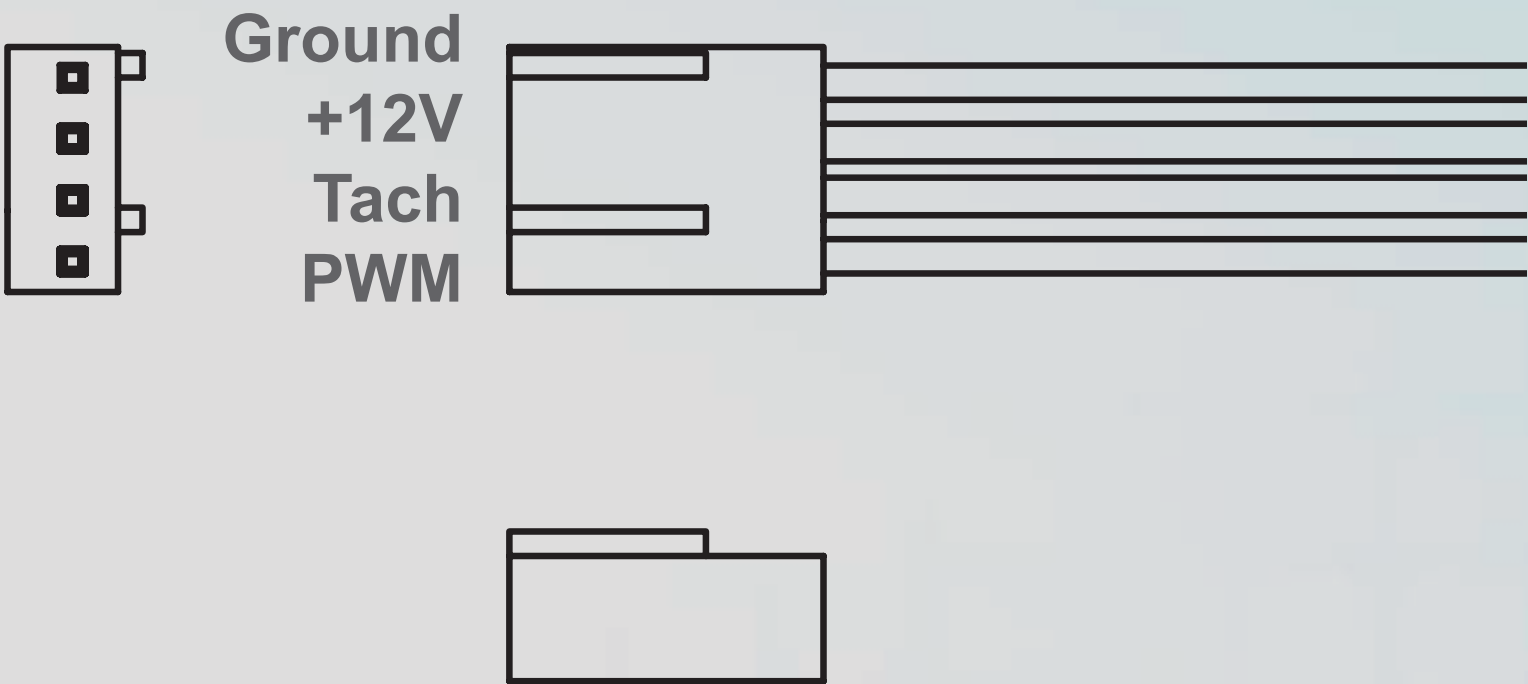
4-Pin Fan Connector (Optional Installation Steps)

Please follow the directions of the image below and insert the 4-pin connector into the fan header directly on the motherboard.

Note: The fans will be controlled by the motherboard when the connector is installed properly. If you would like to control the EGO fans via InWin's exclusive GLOW2 software, please DO NOT install the fan connector with your motherboard.



4-Pin Fan Connector



7

2.5" Drive Bays Installation

Parts Required:
2.5" HDD Screws



8

3.5" Drive Bays Installation

Parts Required:
3.5" HDD Screws



9

Fan / Liquid Cooling Radiator Installation

Parts Required:
Water-cooling System
Washers, M3 / #6-32
Thread Water-Cooling
Radiator Screws
(EGO Exclusive)



10

Completing Installation

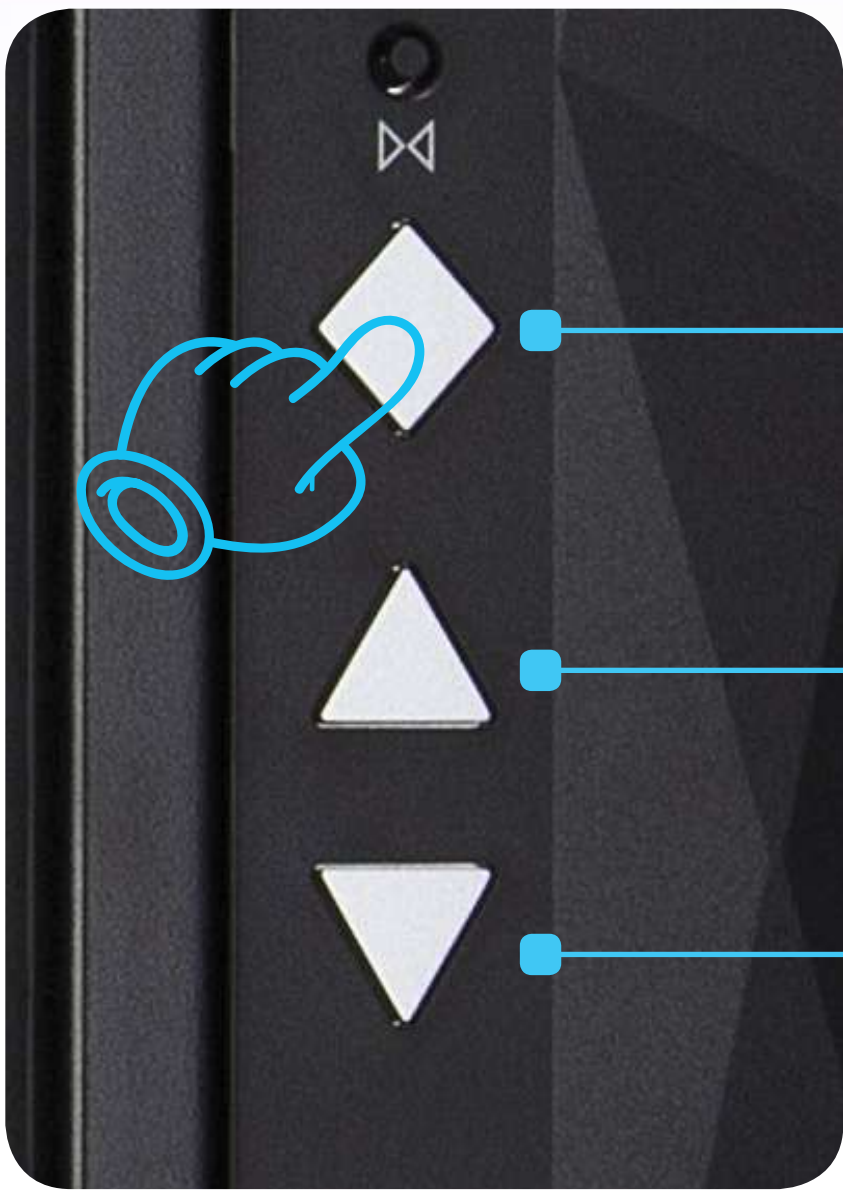
Parts Required:
Cable Ties



LED & Fan Control Buttons Instructions

The LEDs and fans can be controlled by pressing the control buttons on the I/O panel or controlled by GLOW2 software.

Control Buttons Descriptions



Control Mode
button

+

-

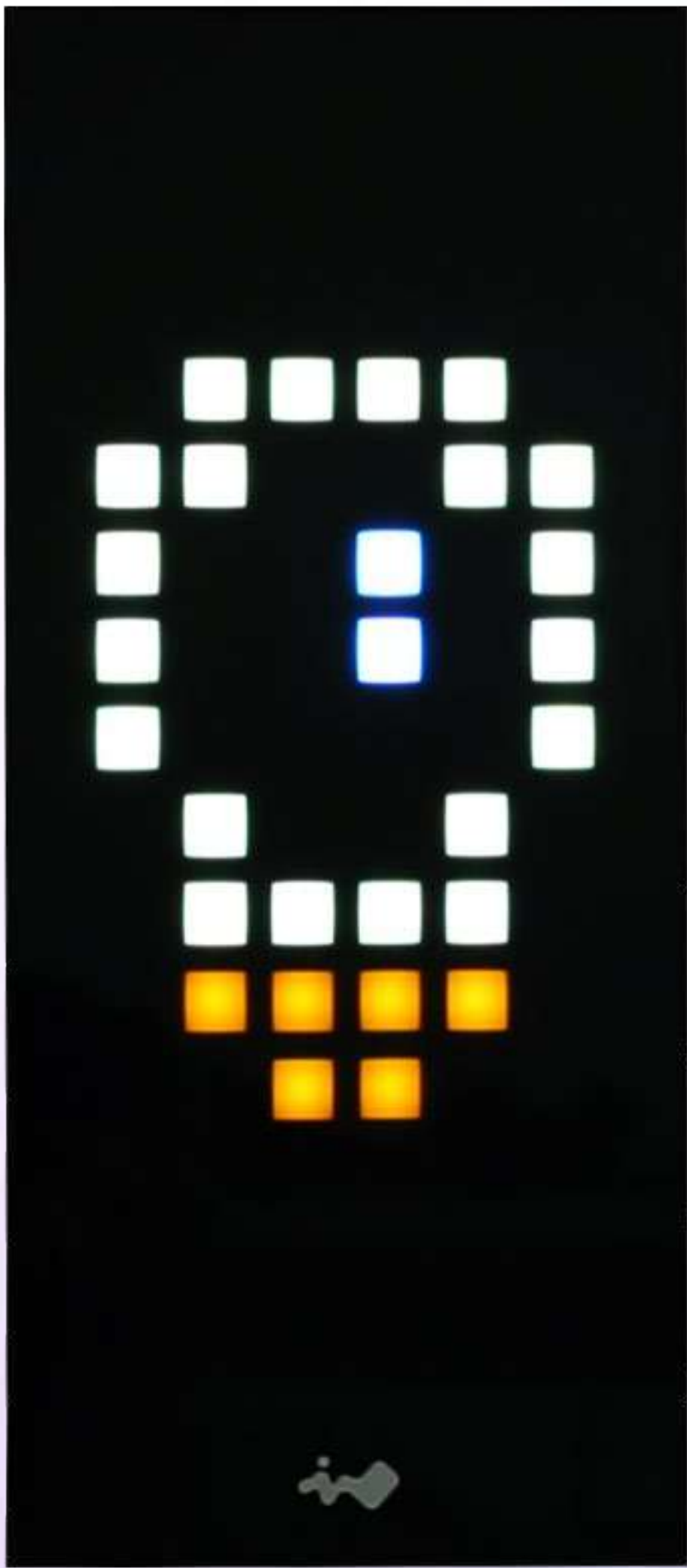


For more detailed
instructions, please
watch the video at this
website link

Control Buttons Instructions

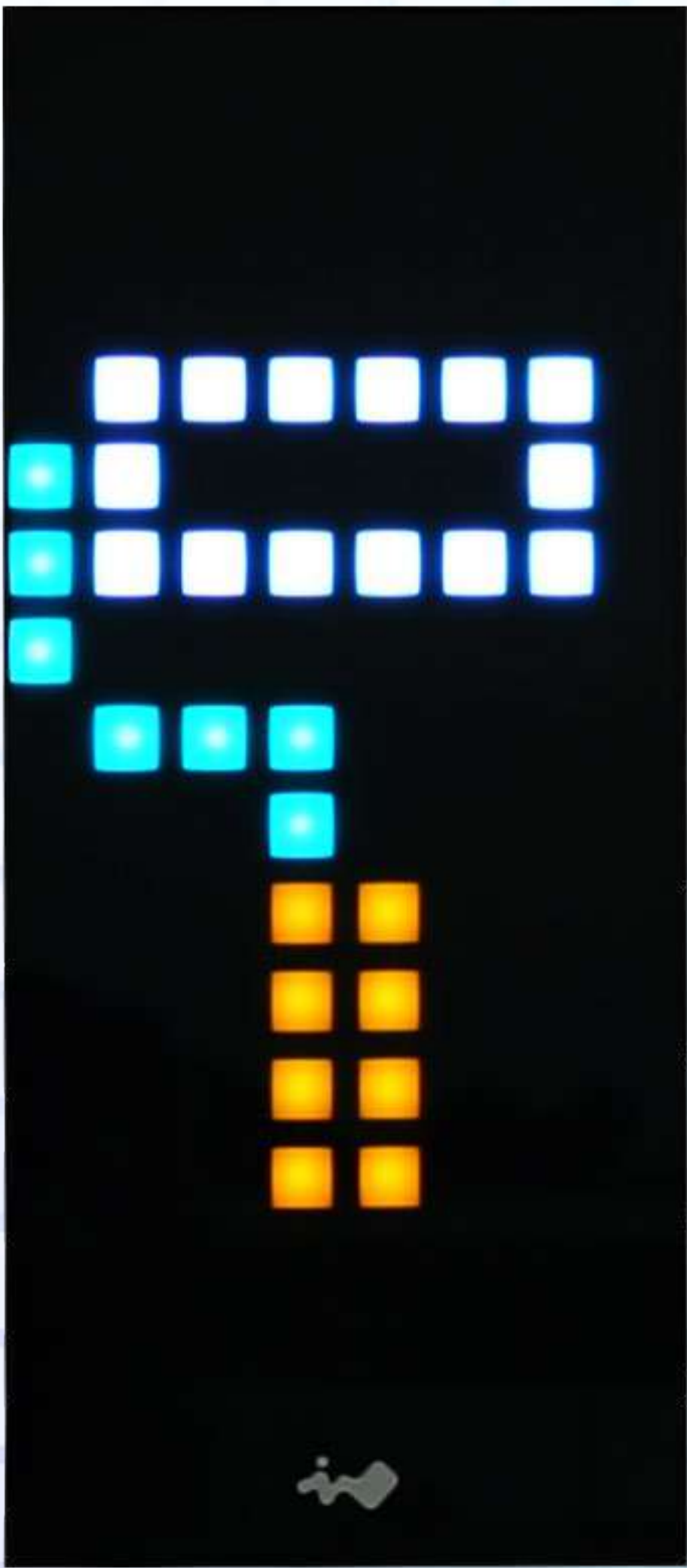
Please follow the button sequence below to adjust LED brightness, lighting effects and fan speed.

LED Brightness



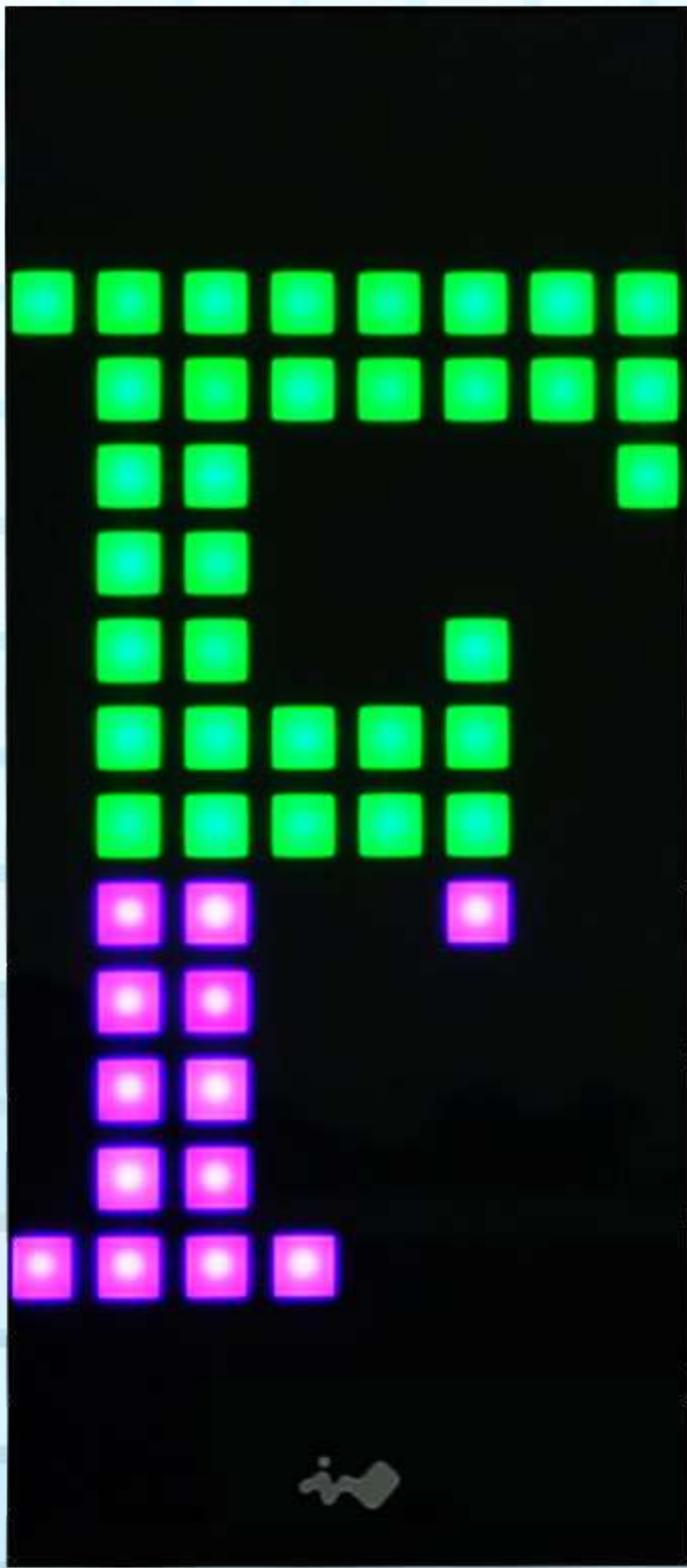
Button Presses:
0 (Default)

LED Lighting Effects



Button Presses:
1

Fan Speed



Button Presses:
2

Note: The control mode rotate to the LED Brightness Mode if you press the Control Mode button three times.



GLOW2 Software Instructions

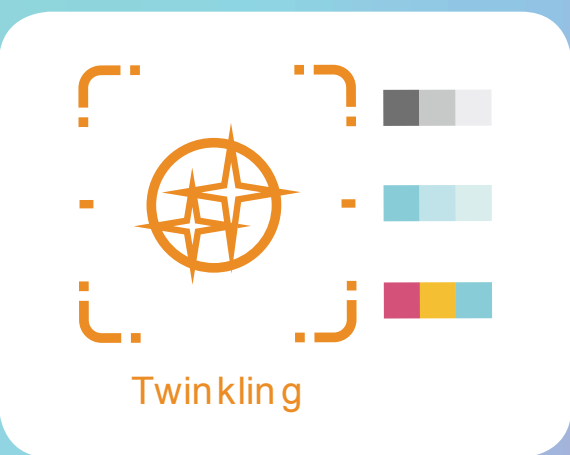
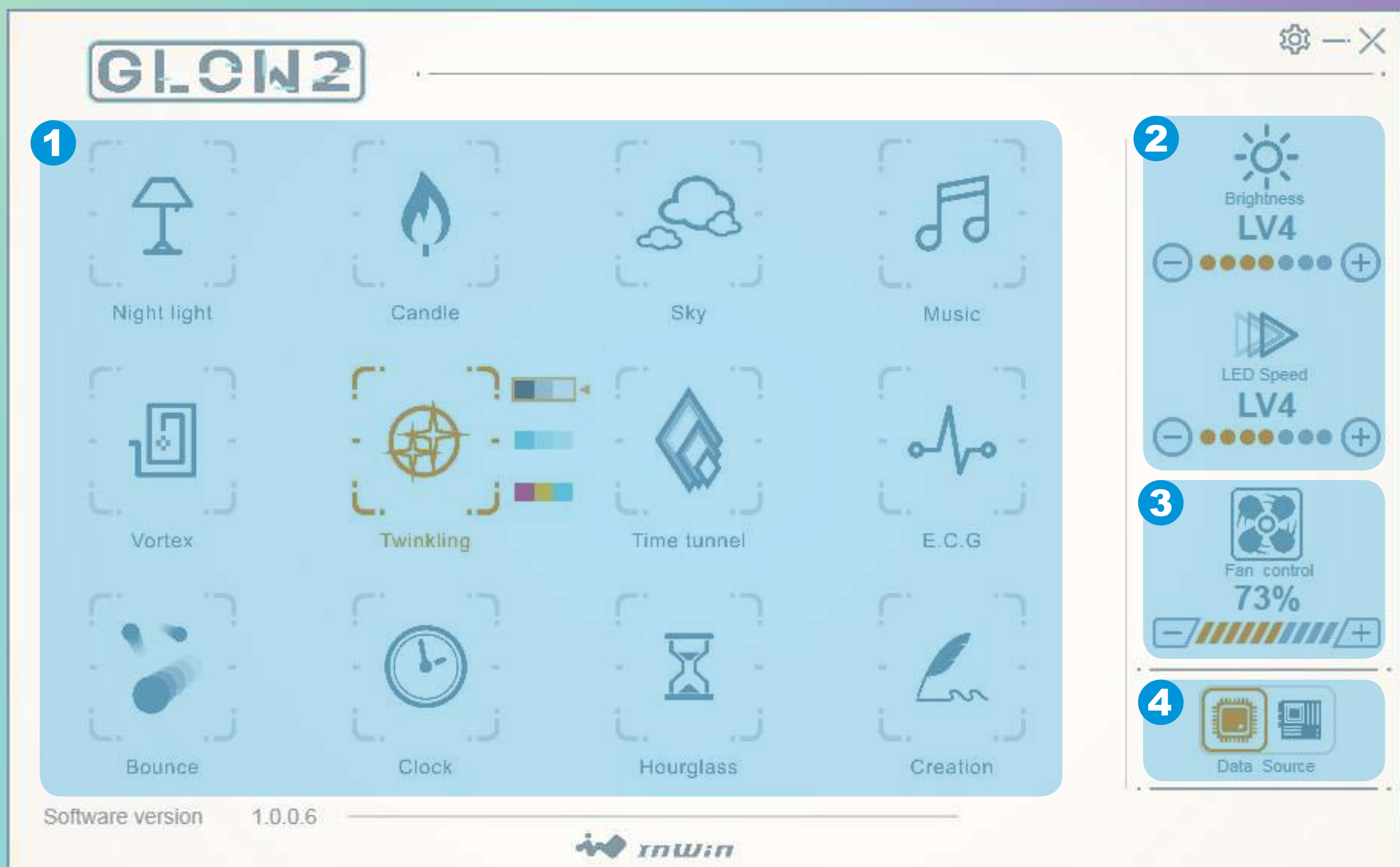


The InWin exclusive GLOW2 software encourages users to create their own unique lighting effect. Choose your own style! The simple and clean intuitive interface is easy to operate. GLOW2 possesses 12 different lighting modes, but the most intriguing is Creation Mode, which grants users access to design their own front panel to match their preferred theme. The only limitation is your own imagination!

- 1. Please click “download” on 309 website to install the GLOW2 software. (<https://www.in-win.com/en/gaming-chassis/309>)
- 2. After downloading the GLOW2 on the desktop, please click to open it.



GLOW2



Colors

Each mode provides up to 3 colors to choose from.



Lights & Speed

Control lights and speed by + and - buttons, there have 7 levels.



Fan Output

Control the EGO fans' speed by pressing the + and - buttons. There are 10 fan speed levels up to Turbo mode. If the 4-pin fan connector is connected with the motherboard, you can easily click the fan icon on the GLOW2 software to adjust the control mode.

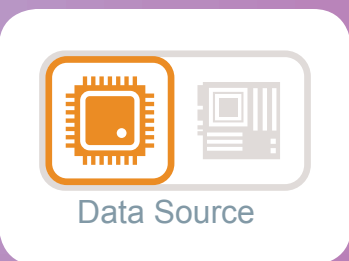
*** Note: The fan control will not work on the GLOW2 software if the motherboard software is running.**



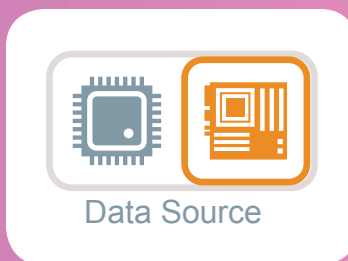
Motherboard or GLOW2 software options

Control the lighting effects with an ARGB enabled motherboard. If your motherboard doesn't have an addressable header (3-pin, 5V), you can control the lighting by downloading the GLOW2 software.

*** Note: The 309 and EGO fans use a lot of LEDs and some motherboards may not be able to handle the number of LEDs. Please use the GLOW2 software if the lighting isn't functioning properly.**



Addressable RGB header isn't properly connected to the motherboard.



The lighting is controlled by the motherboard software.





MIC threshold settings

For candle, F.C.G & hourglass mode

Threshold1:

400

(0 - 4095)

*Threshold2:

700

(0 - 4095)

* Also for countdown triggering of hourglass mode

Threshold3:

1000

(0 - 4095)

Threshold4:

2000

(0 - 4095)



Countdown for

1

(1-60) Minutes

For hourglass mode



Audio source:

Realtek High Defini

▼

For music mode

☒ **Auto start at system booting.**

Restore default

Save to ROM

Apply

MIC Threshold Settings

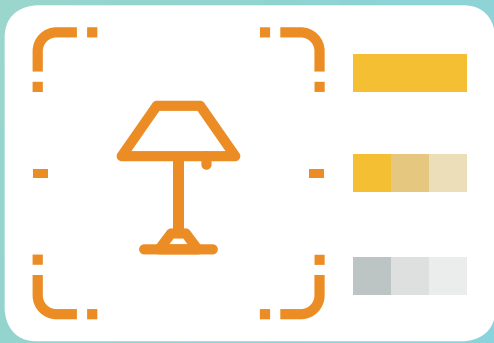
Please set the numbers in ascending order. The smaller the number, the greater the sensitivity.

Hourglass Time Setting

Please setting from 1 to 60 minutes.

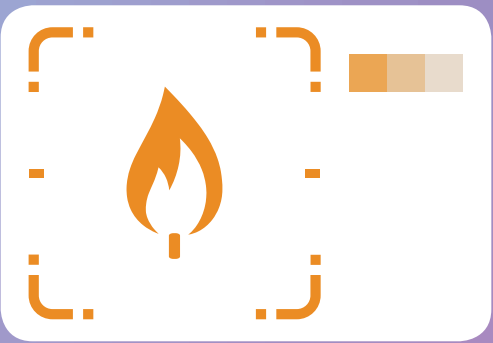
* Note: Please click “Save to ROM” and “Apply” buttons to apply all the changes.

Mode Descriptions



Night Light

Create an atmosphere
in dark room



Candle

Lighting effect by voice catching
from microphone



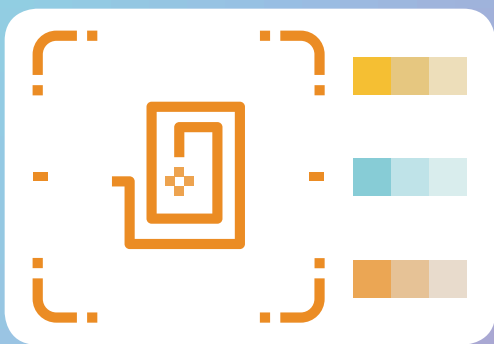
Sky

Cloud floating in sky



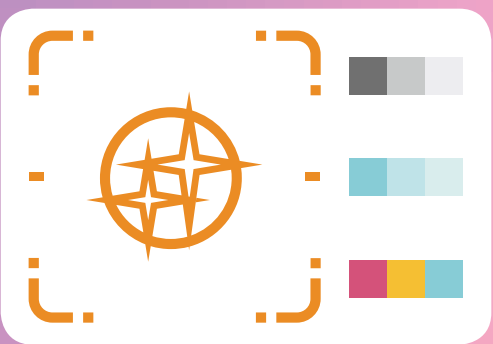
Music

Equalizer mode's lights
reveal the rhythm of music



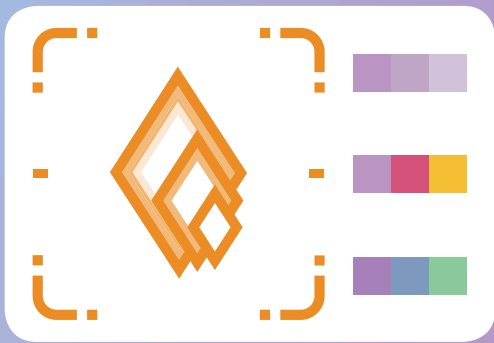
Vortex

Rotating vortex



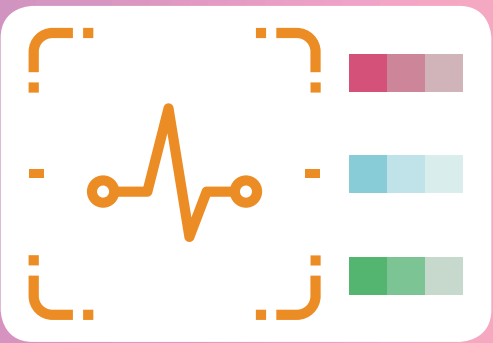
Twinkling

Like stars twinkling
in night sky



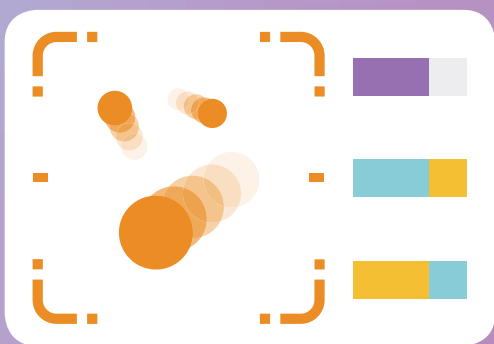
Time Tunnel

Dazzling tunnel effect



E.C.G

Heartbeat effect by voice catching
from microphone



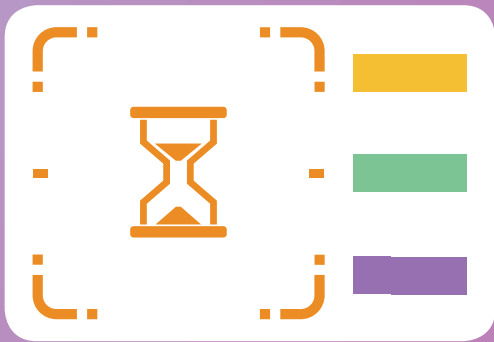
Bounce

Light moves like
bouncing ball



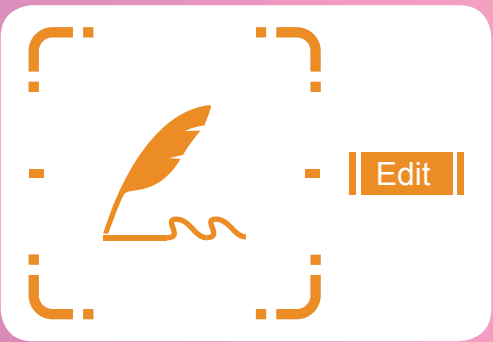
Time

Clock display the time



Hourglass

Up to 60 minutes countdown.
Clap hand to reset the time when
red flash light shows time up.



Creation

Customize own
lighting effect

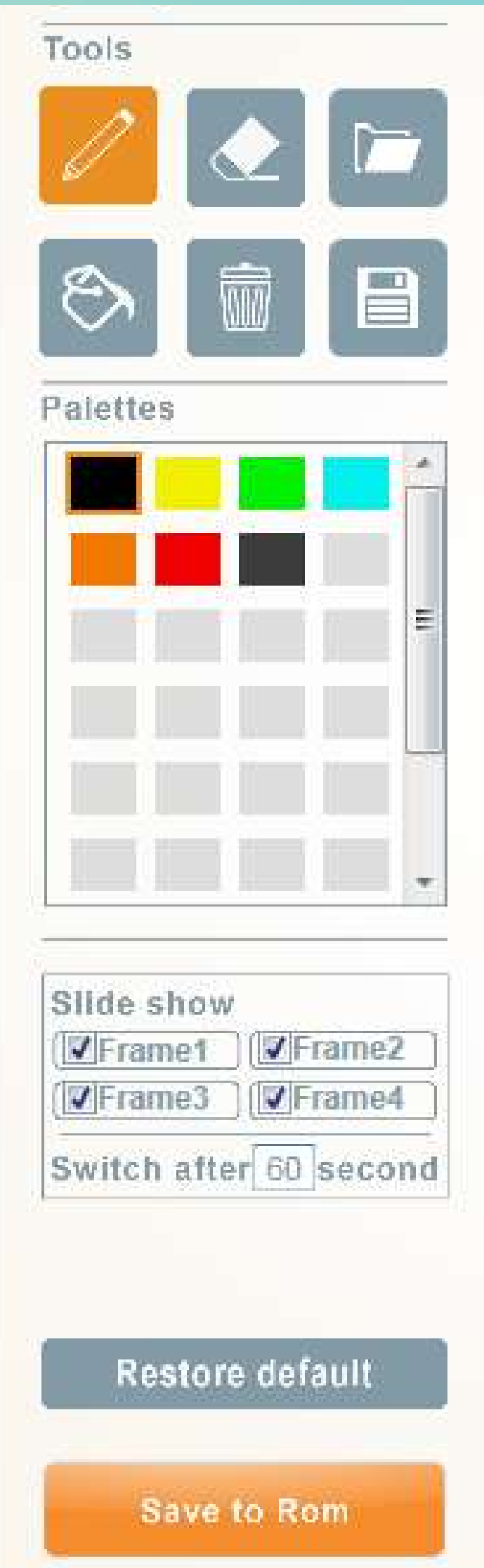
GLEW2

Creation Mode



Creation

Customize own lighting effect



Tool

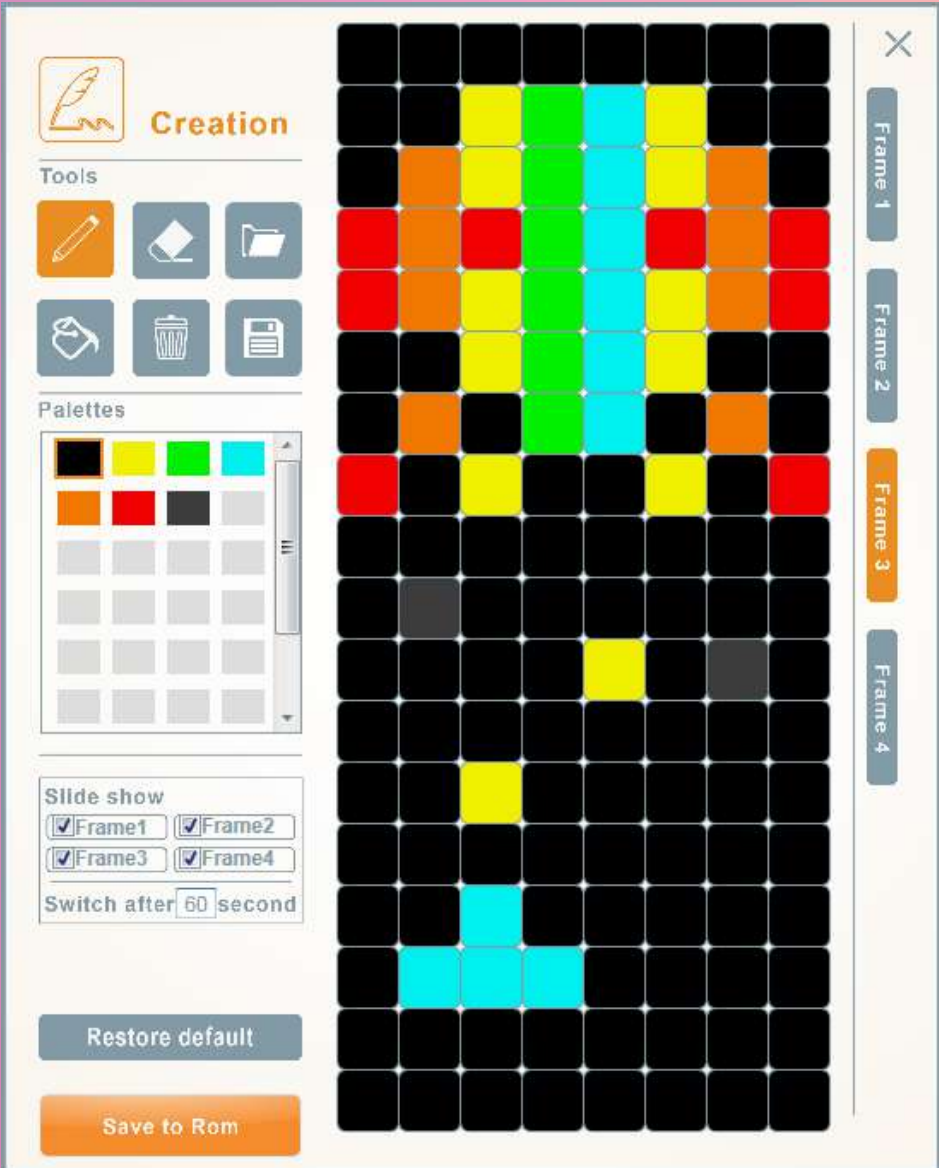
Brush / Eraser / File
Painting / Trash Can / Save

Palette

Please double-click the block to add/change the colors.

SlideShow

Provide 4 plates to create image, which offer 60 second maximum to setting slideshow time on front panel.



Notices and Warranty

■ Notices

1. Please follow the user manual for installation.
2. To avoid damaging any circuits, please make sure the power is off before assembling any internal device.
3. When installing the computer components, please use the antistatic precautions to prevent ESD (electrostatic discharge) damage. This can cause injury to the installer and/or damage to the machine. Incorrect installation may burnout the motherboard and other system components.
4. When the side panels are opened, please do not put your hands or other objects into the fans or other parts in operation. And please make sure to keep away from children and pets.
5. Please avoid unnecessary insertions and extractions to the addressable cable as it may damage the pins.
6. To avoid any damages, please do not use this product for any other purpose than its intended use.
7. Any modifications may damage the product.
8. Please remove all internal devices before shipping or moving. (Including power supply, hard drives, motherboard, CPU, etc)
9. Keep this product away from areas with high temperatures such as: heat dissipation machines, air conditioners or other machines which may generate high temperatures.
10. Please use only this product's exclusively supplied cables. Other cables may not be compatible and could cause serious damage to your system and power supply.



Notices and Warranty

■ Notices

11. Please replace the battery of the chip if the clock synchronization doesn't work.
12. There are 4 EGO fans pre-installed in this product, if you would like to install 5 or more fans, please use the additional exclusive power cable to avoid overloading the system and other system components.

■ Warranty

1. For more detailed warranty information, please visit the InWin retail website at www.in-win.com.
2. The actual product is subject to change without prior notice. InWin Development Inc. reserves the right to make any final modifications.

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