

Owners Manual

Control Center | BAVARIAN **SIM** TEC

Dear valued Customer,

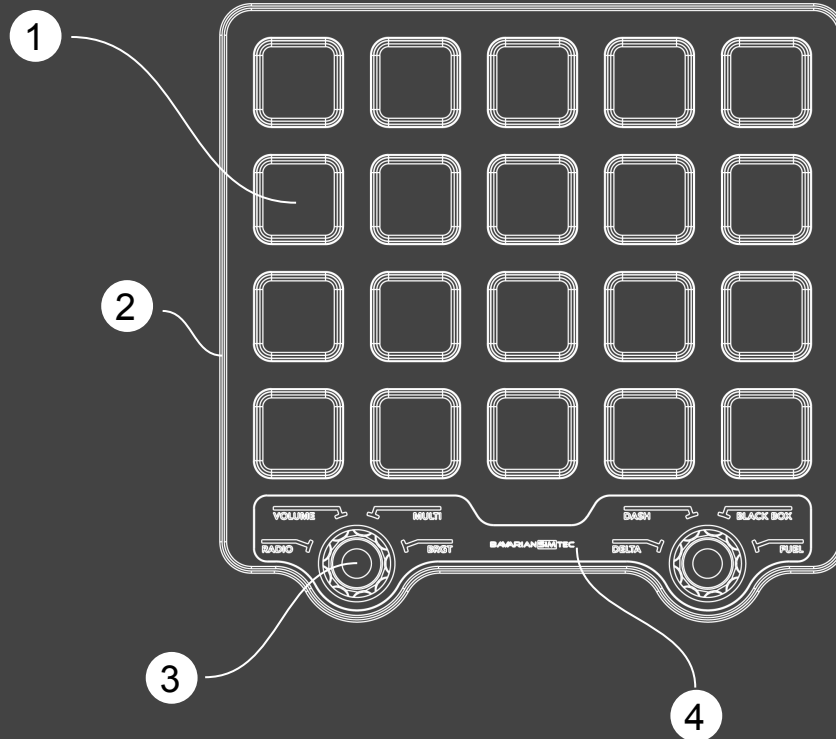
Welcome to a new chapter in your sim racing journey, where every twist and turn of the virtual track brings unparalleled excitement. It is with profound gratitude that we celebrate your decision to make our product a cornerstone of your racing experience.

Your new Control Center is a testament to cutting-edge innovation [like our AdaptiveBeamTec] and exceptional craftsmanship, carefully designed to transcend the limits of performance and precision. Your trust in us fuels our relentless pursuit of excellence, driving us to create products that not only meet but surpass your highest expectations.

As you explore the exceptional features of your new Control Center, know that a reliable team is always available to assist you. Our seasoned customer relations experts are here to assist with any inquiries, ensuring that your experience is nothing short of extraordinary. Thank you once again for choosing us. Embrace the thrill, conquer the track, and keep on racing with unwavering passion.

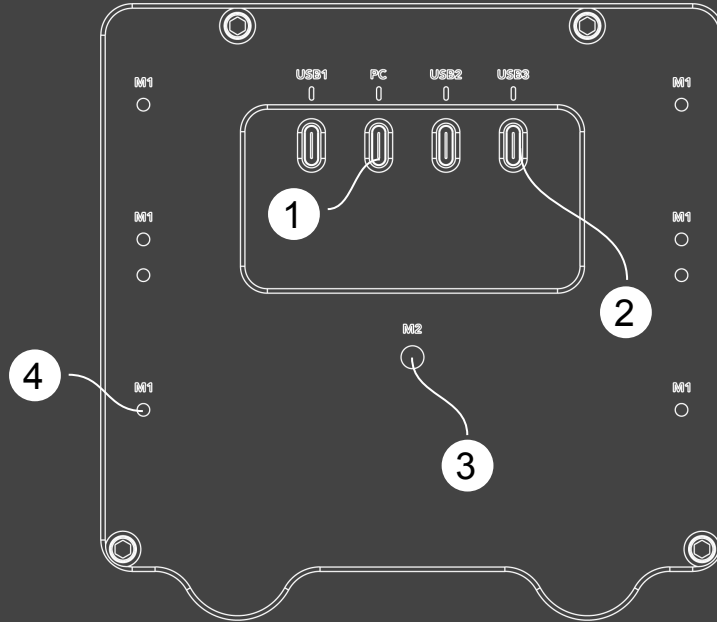
Sincerely,

The BavarianSimTec Team



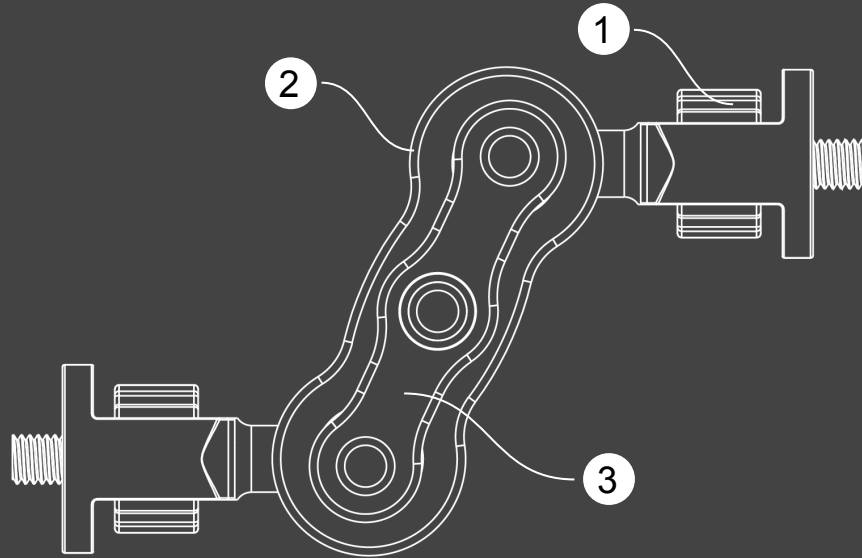
Frontview

1. Tactile RGB Button with 4 LEDs [20x]
2. 6061 cnc'd aluminum construction
3. Multi-Encoder with AdaptiveBeamTec [2x]
4. Illuminated logo



Rearview

1. USB-C port for connection
2. USB-C port with hub-functionality
(note: Port "USB 1" is power only,
Ports "USB 2 & 3" are power and data)
3. Threaded hole for MagicArm
4. M3 threaded holes [8x]



MagicArm

- 1. Thumb-Screw [2x]
- 2. Hinge [2x]
- 3. Hand-Fastener for both hinges

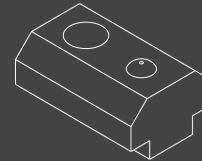
Mounting to Rig [MagicArm]

Our MagicArm provides 360° of freedom. To mount it to your rig, you need to use the supplied T-Nut. Due to the required bridge on the T-Nut, it cannot be “clicked” into the aluminum profile but must be slid in from one side.

Position the T-Nut at the desired location and attach the MagicArm to the aluminum profile.

Note: Ensure it is tightened properly to achieve the required sturdiness.

You can use the MagicArm as a lever to secure it even more firmly.



Once securely attached, the Control Center can be mounted to the opposite end of the MagicArm. By loosening the hand fastener, both hinges can move freely, allowing the Control Center to be positioned perfectly.

Mounting to Rig [other]

The Control Center can also be mounted using M3 screws (not included).

For this option, third-party brackets are required.

Simply attach the Control Center to the brackets and it's ready to use.

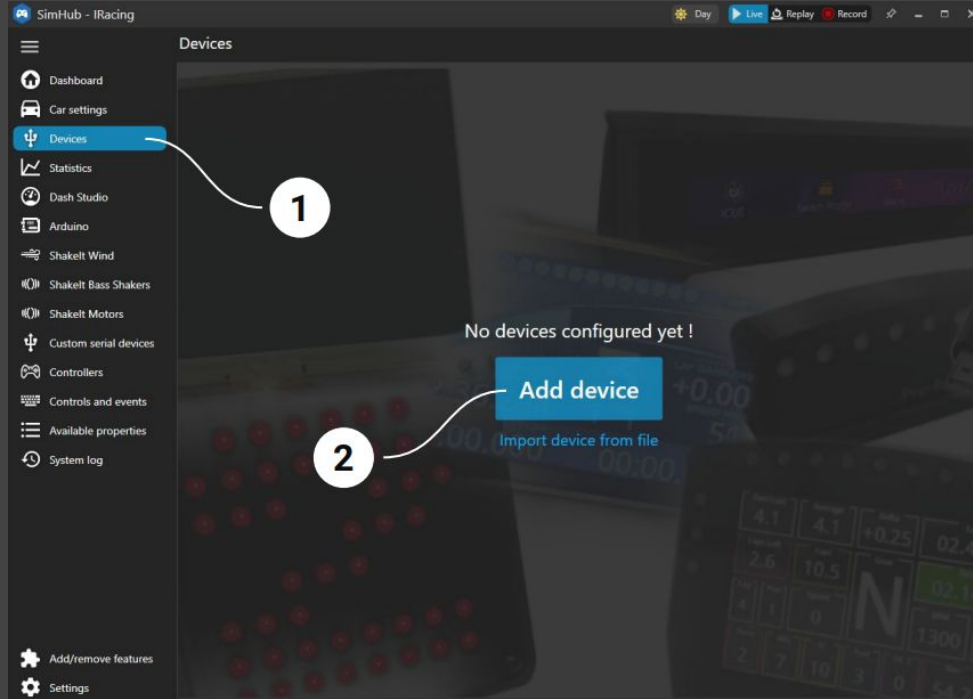
USB Connection & Software Setup

We strongly recommend the following connection method before proceeding:

- PC -> Powered USB Hub -> BST USB-C Cable -> Control Center
- PC -> BST USB-C Cable -> Control Center

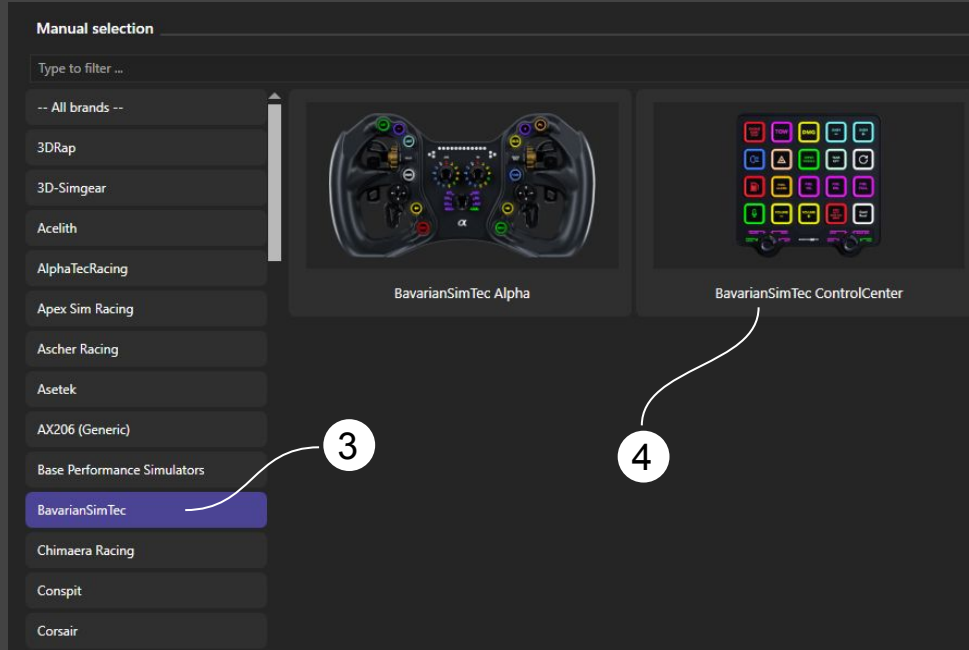
Without an adequate power supply, you may experience unstable performance and diminished LED brightness.

[Download and install the latest SimHub Version.](#)



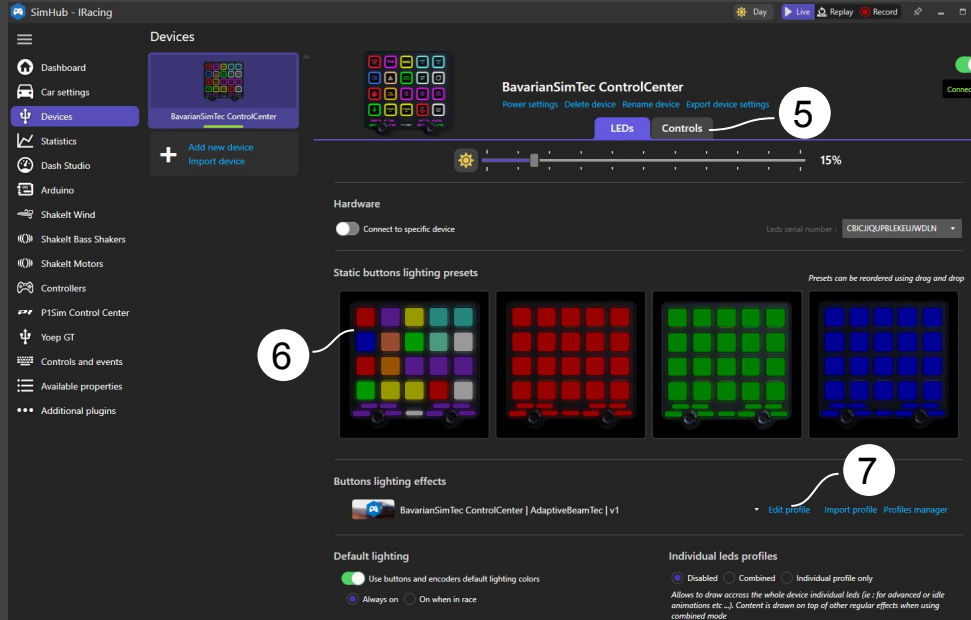
Add Device

1. Go to Devices
2. Click Add Device



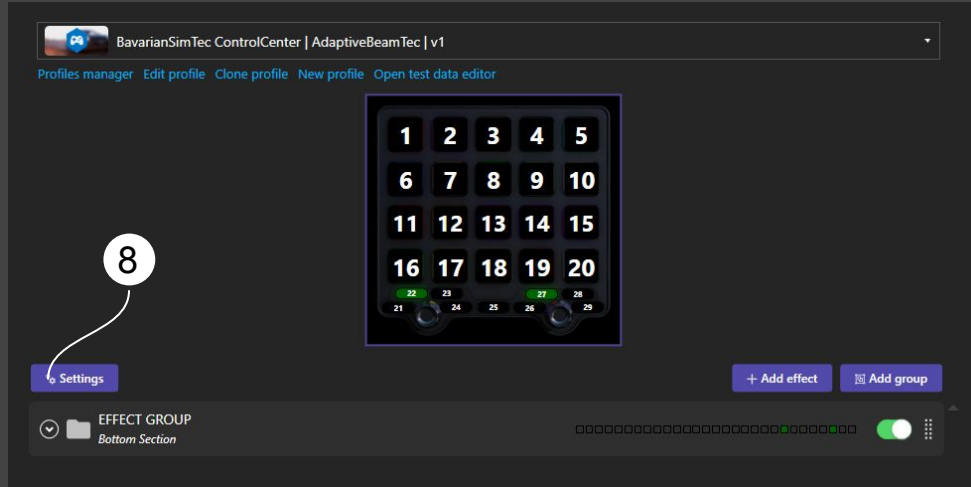
Select Control Center

3. Click BavarianSimTec in the side panel menu
4. Select BavarianSimTec Control Center



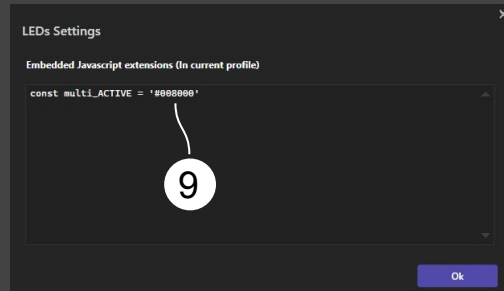
Overview

5. Multi-Link-Selector BRGT mapping
6. Edit Button, Logo & AdaptiveBeamTec color.
7. To change AdaptiveBeamTec selected value color click Edit profile



8. Click Settings

9. Change the HEX color code

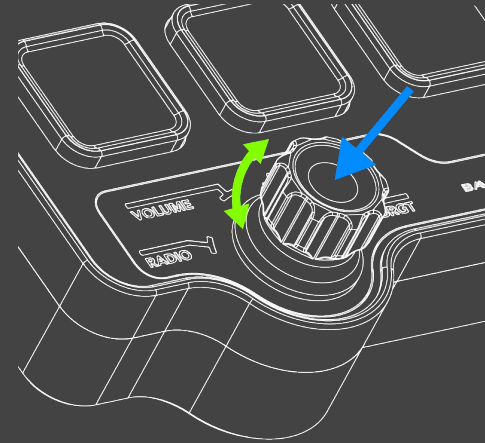


AdaptiveBeamTec - Multi-Link-Selector

With our innovative Multi-Link Selector, you can create $2 \times (2 \times 4) \rightarrow 16$ additional inputs. When properly configured, one mode (e.g., Volume) will be highlighted, assigning outputs 23 and 24 to the encoder.

To switch the mode to Multi, simply **push** and **turn** the encoder. As you **turn**, the highlighted section shifts accordingly, and the encoder outputs update to 25 and 26 — and so forth.

This functionality is compatible with any simulation software, as all operations are managed within the ControlCenter.



Troubleshooting

To ensure proper operation, it is essential to maintain a clean, reliable USB data signal and minimize Electro Magnetic Interference (EMI) from other devices.

- Connect the Control Center via a powered USB hub or directly to your computer.
- Avoid using excessively long USB extension cables, as data quality degrades with length.
- For AMD systems with known USB performance issues, update to AGESA BIOS version 1.2.0.2 or higher (check your motherboard manufacturer's website).
- Monitor for EMI and ground your rig if necessary.
- If one USB port is not performing optimally, try an alternate port.
- Make sure the USB-C cable is securely connected at both ends.
- Be mindful that USB data throughput is shared among all devices on your system; avoid overloading the USB tree.
- Consider using a dedicated PCIe USB card (NEC chipset cards are recommended).

Safety

For further details, please review the full Terms & Conditions.

Warnings & Instructions for Safe Usage

WARNING: CHOKING HAZARD – Small parts. Adult supervision is required. Children should never use the BST Control Center or any associated parts or tools without direct adult supervision.

- Do not use any damaged or defective products. Cease use immediately and contact the reseller or manufacturer.
- Wear protective gloves when installing, removing, or modifying parts on Control Center.
- Ensure that anyone using the BST Control Center has read and understood the manual.
- Always verify that all connections and quick releases are securely tightened before use.
- DO NOT open the Control Center.
- The BST Control Center and its components are intended solely for use as a USB input device on a computer. They must not be used in a real vehicle. The manufacturer is not liable for any damages resulting from improper use of the product.
- Secure the BST Control Center to the rig using the MagicArm or M3 screws. It is the user's responsibility to ensure that the mounting platform is capable of safely supporting the BST Control Center.

Warranty

Operating Environment and Safe Storage Conditions

- Temperature: 15°C – 35°C, with non-condensing humidity.
- Avoid exposing the BST Control Center or any parts to direct sunlight or moisture.
- Intended for indoor use and storage only.

Warranty

The product includes a 2-year warranty, except in the following situations:

- Failure to follow the provided instructions for use or care.
- Misuse or careless handling of the product
- Damage caused by an accident or other external factors after the product has been received.
- Normal wear and tear from use.