

Owners Manual



DESIGNED & MANUFACTURED IN BAVARIA



Dear valued Customer,

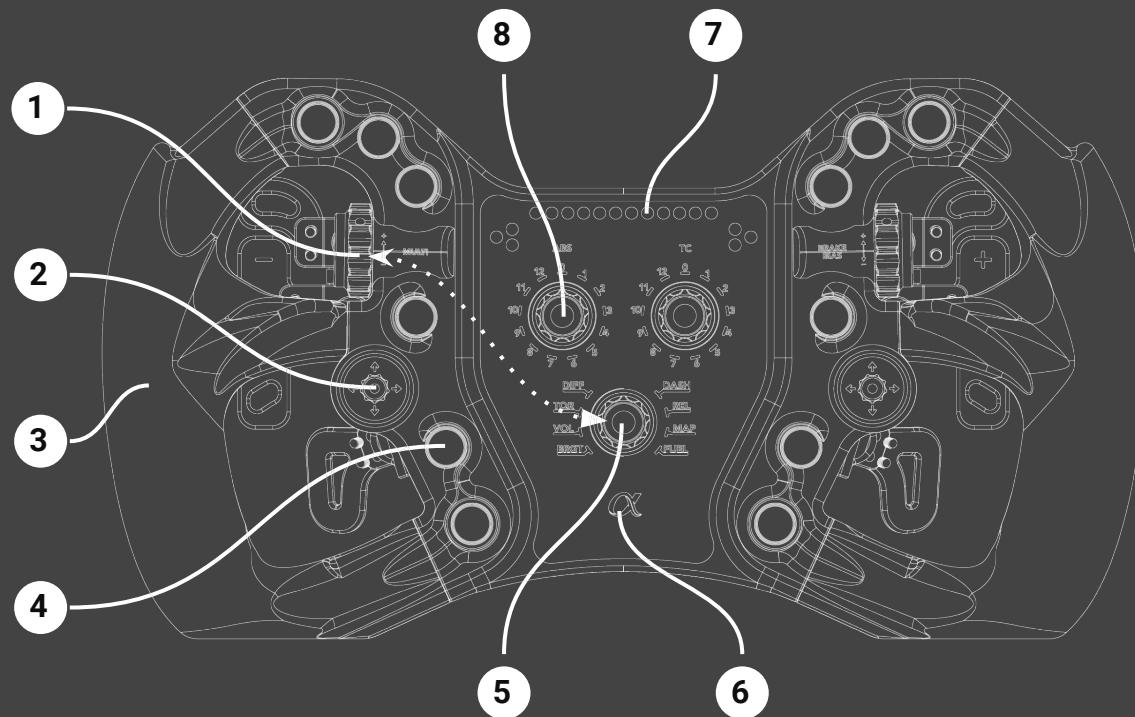
Welcome to a new chapter in your sim racing journey, where every twist and turn of the virtual track brings unparalleled excitement. It is with profound gratitude that we celebrate your decision to make our product a cornerstone of your racing experience.

Your new steering wheel is a testament to cutting-edge innovation [like our **AdaptiveBeamTec** or our **Multi-Link-Selector**] 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 steering wheel, 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.

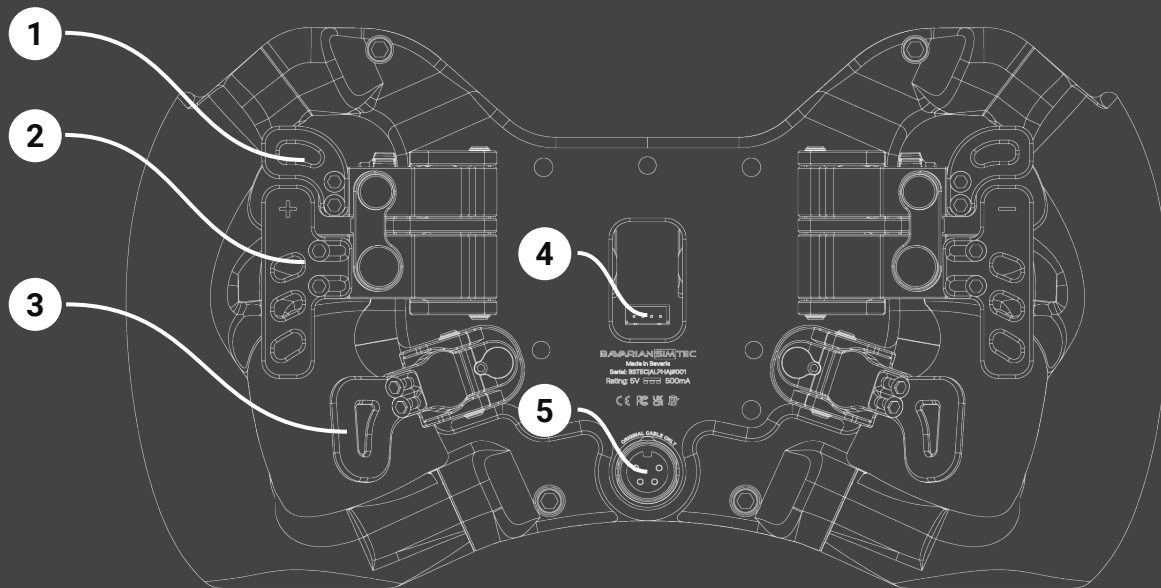
Sincerely,

The BavarianSimTec Team



Frontview

- 1. Multi Thumb Encoder [2x]
- 2. 7-Way Multi Switch [2x]
- 3. Silicone Handles
- 4. RGB LED Buttonx [12x]
- 5. Multi-Selector
- 6. Illuminated logo
- 7. RGB LED Rev & Marshal Lights
- 8. AdaptiveBeamTec [3x]



Rearview

1. N52 Pull Paddle (Advanced)
2. N52 Magnetic Shifter
3. Magnetic Contactless Clutch (Advanced)
4. Internal Connector
5. Cable Connector

Mounting to Wheelbase

Each BavarianSimTec steering wheel features a 70mm Pitch Circle Diameter (PCD), compatible with most hubs sharing the same specification. When attaching the wheel to the hub, prioritize using the non-threaded side for a secure fit. If attaching via the hub's threaded side is necessary, be sure to use Captive Screws to avoid damaging both the wheel and the hub.

To prevent interference between the coiled USB cable and the wheelbase, ensure there is a minimum clearance of 50mm between the steering wheel and the wheelbase.

WARNINGS

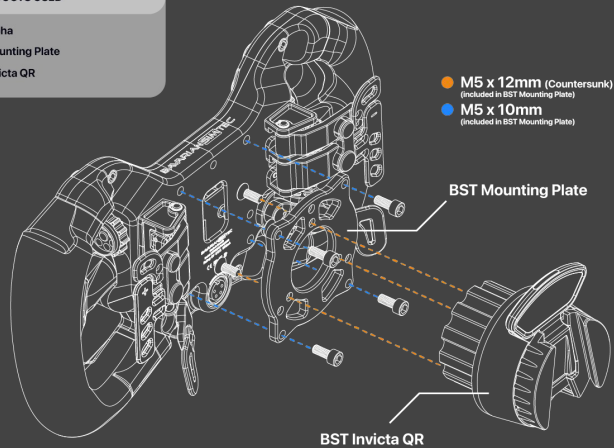
- Avoid using regular screws to connect threaded components, such as hubs and wheels, as this will damage the threads. Always use Captive Screws to properly secure two threaded items together.
- Please ensure that the screw length is carefully selected to avoid damage. The thread depth of the Alpha Backcase is 7mm, and the thickness of the spacer edge is 8mm. Therefore, the maximum allowable screw length should not exceed 15mm (7mm + 8mm). Using screws longer than this may result in damage to the steering wheel and associated components.

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| • Asetek | Page 6 & 7 |
| • Simucube | Page 8 |
| • Fanatec | Page 9 |
| • Simagic/MOZA/NRG | Page 10 |

Asetek

PRODUCTS USED

- BavarianSimTec Alpha
- BavarianSimTec Mounting Plate
- BavarianSimTec Invicta QR



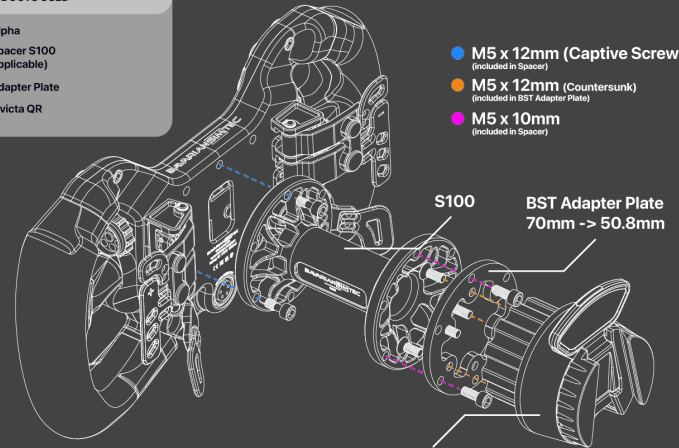
- M5 x 12mm (Countersunk)
(included in BST Mounting Plate)
- M5 x 10mm
(included in BST Mounting Plate)

BST Mounting Plate

BST Invicta QR

PRODUCTS USED

- BavarianSimTec Alpha
- BavarianSimTec Spacer S100 (S50, S200 also applicable)
- BavarianSimTec Adapter Plate
- BavarianSimTec Invicta QR



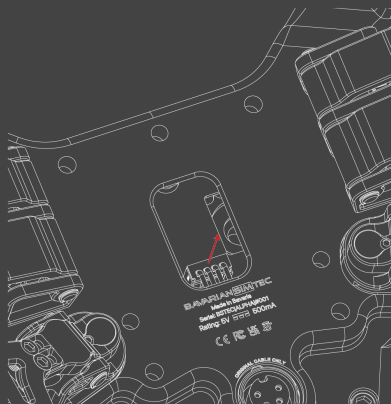
- M5 x 12mm (Captive Screw)
(included in Spacer)
- M5 x 12mm (Countersunk)
(included in BST Adapter Plate)
- M5 x 10mm
(included in Spacer)

S100

BST Adapter Plate
70mm -> 50.8mm

BST Invicta QR

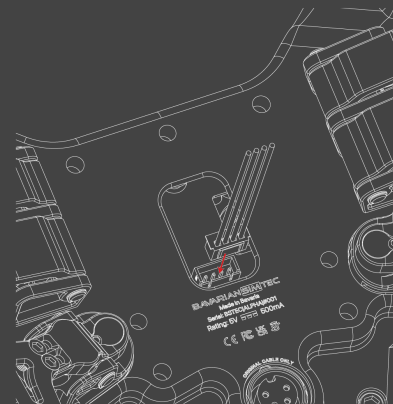
Asetek QR Connection



Gently disconnect the 4-pin JST connector by pulling it upward with care.

ATTENTION!

Take care to avoid pinching any cables during the QR mounting process.



Connect the 4-pin JST connector from the BST Invicta QR by securely plugging it in.

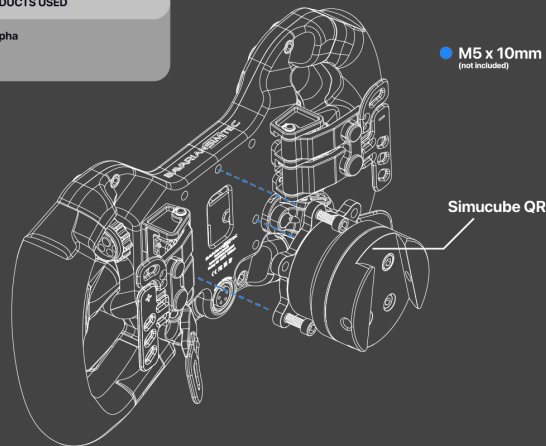
Simucube

ATTENTION!

M5 x 10mm screws not included

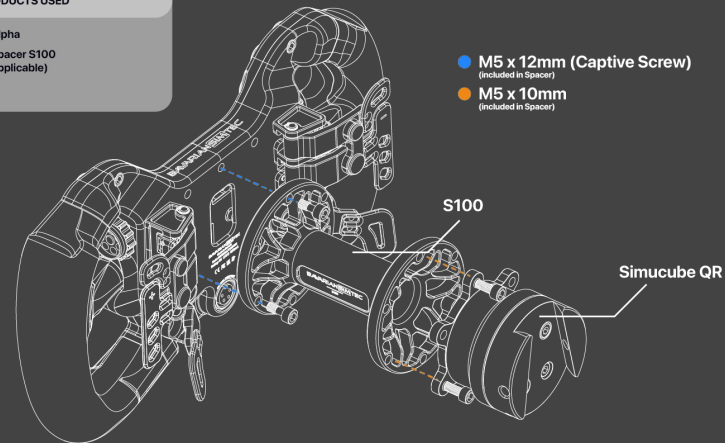
PRODUCTS USED

- BavarianSimTec Alpha
- Simucube QR



PRODUCTS USED

- BavarianSimTec Alpha
- BavarianSimTec Spacer S100 (S50, S200 also applicable)
- Simucube QR



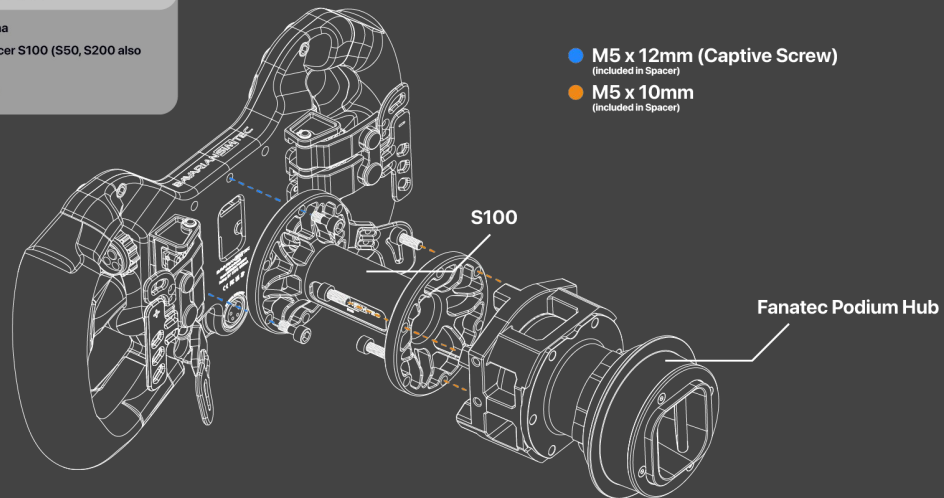
Fanatec

ATTENTION!

When installing the Fanatec Podium Hub onto the Alpha, it is essential to use a S50, S100, or S200 spacer to ensure sufficient clearance.

PRODUCTS USED

- BavarianSimTec Alpha
- BavarianSimTec Spacer S100 (S50, S200 also applicable)
- Fanatec PodiumHub



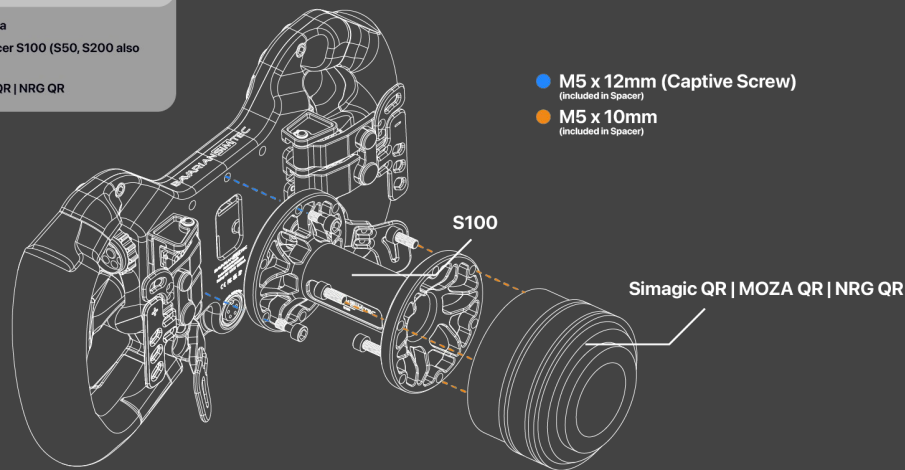
Simagic/MOZA/NRG

ATTENTION!

When installing a Simagic QR | MOZA QR | NRG QR onto the Alpha, it is essential to use an S50, S100, or S200 spacer to ensure sufficient clearance.

PRODUCTS USED

- BavarianSimTec Alpha
- BavarianSimTec Spacer S100 (S50, S200 also applicable)
- Simagic QR | MOZA QR | NRG QR



Software Setup

Download & install

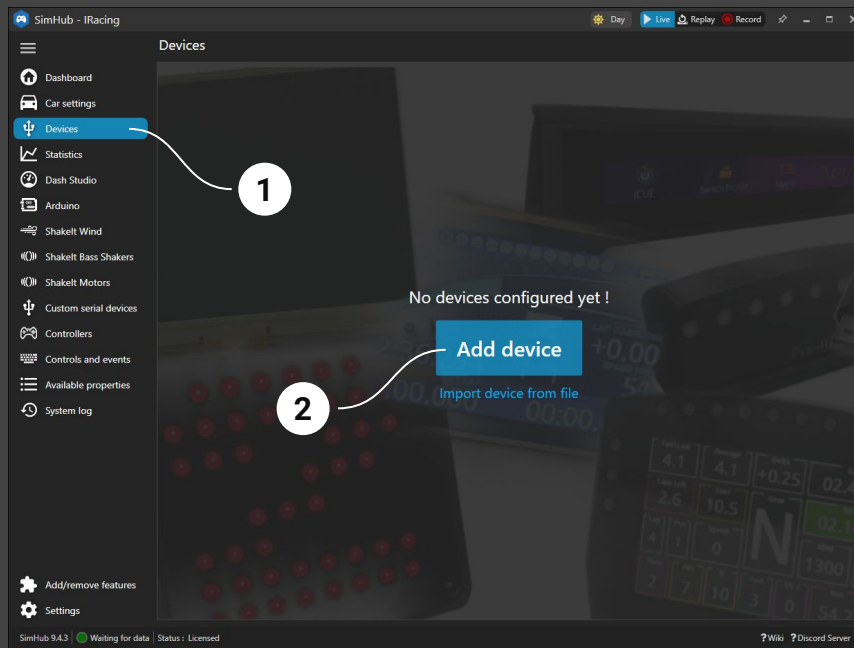
[SimHub](#)

USB CONNECTION

We [strongly recommend](#) the following connection method before proceeding:

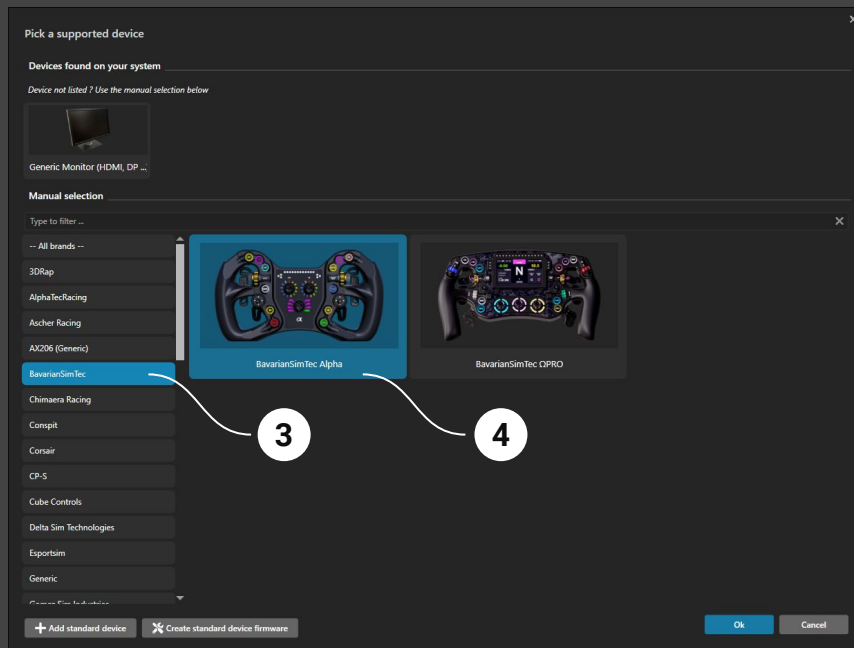
- PC → Powered USB Hub → BST USB Cable → Alpha
- or Asetek Invicta QR

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



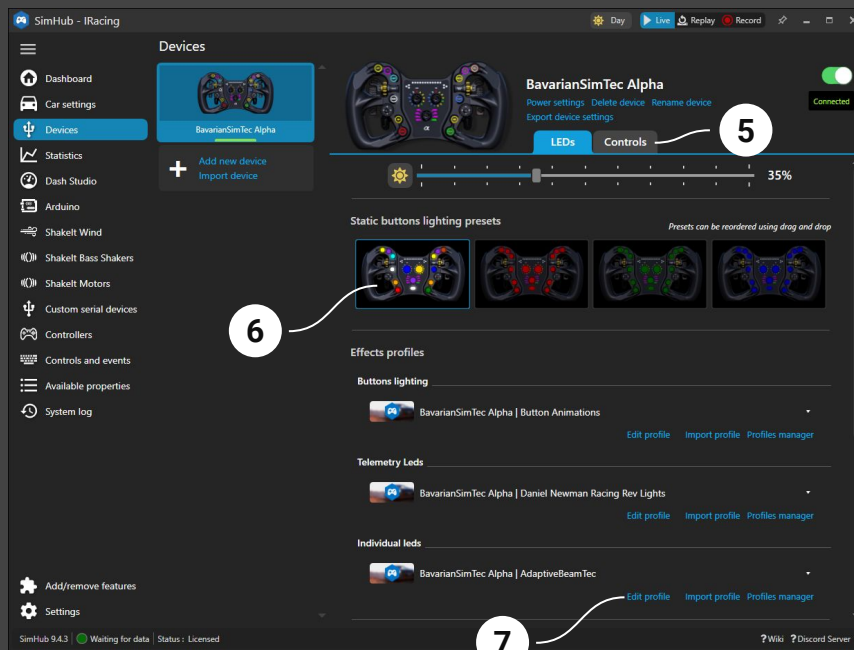
Add Device

- 1 Go to Devices
- 2 Click Add Device



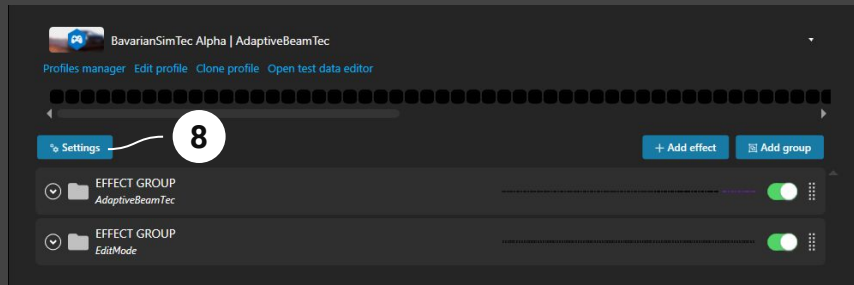
Select Alpha

- ③ Click BavarianSimTec in the side panel menu
- ④ Select BavarianSimTec Alpha

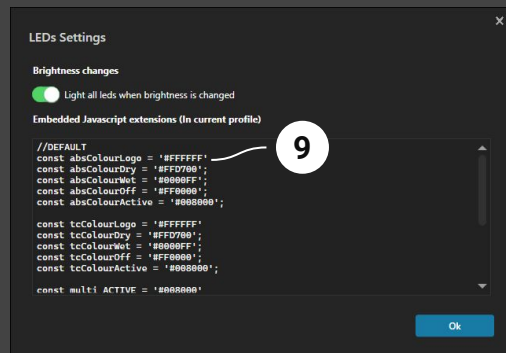


Overview

- 5 Mult-Link-Selector BRGT mapping
- 6 Edit Button & Logo Color
(to change AdaptiveBeamTec colors see step 7)
- 7 To change AdaptiveBeamTec colors click Edit Profile



8 Click Settings



9 Change the matching HEX Color Code

Editmode

Enter Editmode:

Press and hold both encoders (1) until the red/yellow flag LED (2) illuminates.

(The LED only light up with the BST Default LED Profile - see page 14)

Clutch Modes:

(3) indicates the current clutch mode

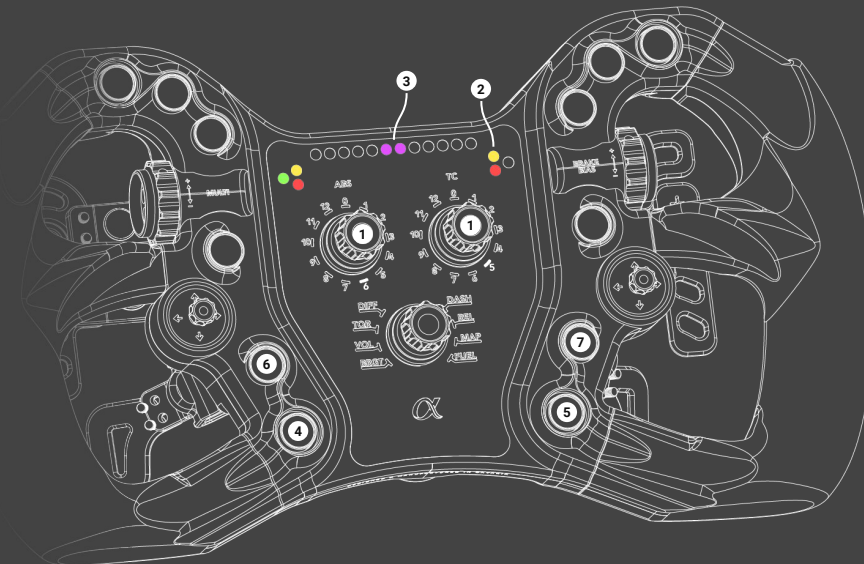
- Red → Off
- Purple → Dual Clutch
- Blue → Dual Axis
- Yellow → Button Mode

Use controls (4) and (5) to change the clutch mode.

Clutch Calibrate:

Important: Ensure the clutch is not set to Off mode.

- Press & hold button (6) for the left clutch or button (7) for the right clutch
- Pull the corresponding clutch lever and then release it.
- Release the button (6) or (7)



Editmode

Bitepoint:

To adjust the bite point, rotate encoder (8) for 10-digit increments or encoder (9) for 1-digit increments.

The current bite point percentage is displayed by the AdaptiveBeamTec indicator (10). In this example, it is set to 65%.

Master Clutch (only for Dual Clutch):

Press the funky (11) or (12) to change to the respective side

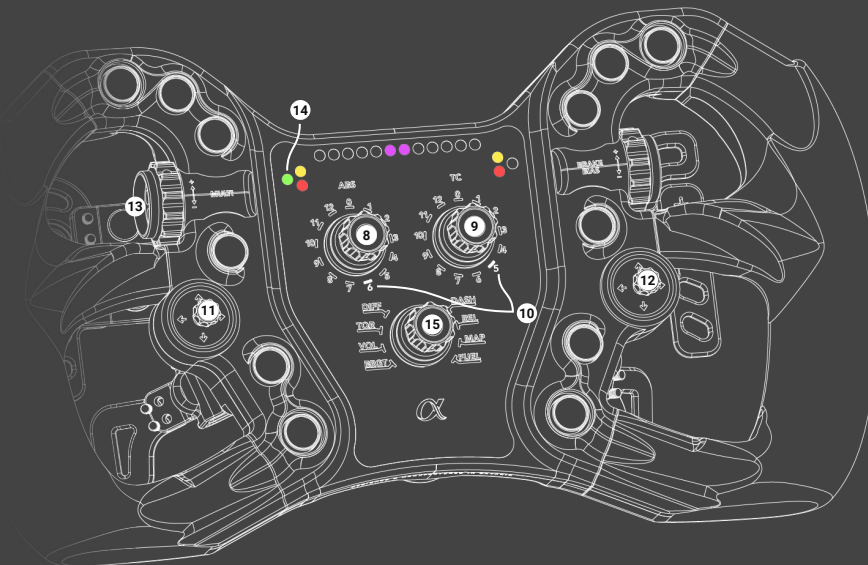
Multi-Link-Selector:

To enable the link between the Multi-Selector and the Thumb Encoder, press the Thumb Encoder (13).

The green LED (14) will illuminate to indicate that the link is active.

Exit Editmode:

To exit Edit Mode, press the bottom encoder (15).



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 wheel 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.
- Ensure the coiled cable housing is securely screwed on.
- 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 steering wheel 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 the steering wheel.
- Ensure that anyone using the BST steering wheel has read and understood the manual.
- Always verify that all connections and quick releases are securely tightened before use.
- DO NOT open the steering wheel.
- The BST steering wheel 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 steering wheel to the direct drive base using six M5 bolts. It is the user's responsibility to ensure that the mounting platform is capable of safely supporting the BST steering wheel.

Warranty

Operating Environment and Safe Storage Conditions

- Temperature: 15°C – 35°C, with non-condensing humidity.
- Avoid exposing the BST steering wheel 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.