



Power consideration about connecting USB devices

A USB host port under the USB 1.1/2.0/3.0 specification can supply maximum 500mA current, the Vbus voltage is 4.75-5.25V.

Venom is a full speed USB 2.0 device; As it needs one console controller to be attached for authorization with console, and the console controller would draw up to 300mA current from console USB port when charging its battery, so ideally only 200mA current available for Venom and other devices connected to it which may not be sufficient to power them all. When users want to use their own keyboard and mouse to play on Venom, users' must pay attention the following cautions to avoid over-current condition occurs otherwise Venom would continue "re-boot" with all the LEDs flashing.

- For Playstation consoles, always fully charge your controller before connecting to Venom-X. For Xbox consoles, remove the batteries from controller before connecting it to Venom-X.
- If the user's mouse has removable or built-in re-chargeable battery, remove it from your mouse or fully charge it before connect it into Venom-X.
- If user's keyboard or Mouse have LED lighting feature, turn it off to reduce the power consumption.
- DO NOT connect more than 3 devices including the controller on Venom with USB Hub, extra device won't be recognized but draw extra power.

TGS Precision tracking technology

Same as the well-known term of "Mouse acceleration" on PC gaming, the controlling on video game console is designed with acceleration as well. The reason of all games added this unwanted behavior is to adapt user's thumb to move easier. This is a nightmare for FPS gamers who use a mouse where it's not corresponded to hand movement on a mouse pad.

All console FPS mouse users want to remove this acceleration. Tuact has developed a new tracking technology TGS (Tuact Guidance System) to resolve this problem. With the TGS, Venom mouse or user's mouse would control the crosshair 1 to 1 to the moved distance on pad.

Another benefit of the TGS is that it has no more Deadzone to be adjusted this simplifies the tweaking. The only adjustable parameter is the mouse speed.

Due to this technology is developed with de-acceleration algorithm, and the value of accelerating is different in each game, so user would not be able to make it himself. Tuact makes profiles to every game for users to download.

TGS is not implemented in the older firmware lower than V3.0.0, user need to upgrade V3.0.0 and above to have this precision tracking. The firmware V3.0.0 and later version will not compatible with the older firmware, user should download and use V3.0.0 software and above to setup Venom after the upgrade. The V3.0.0 software can downgrade firmware back to lower version if user doesn't like the TGS, then the user has to go back to V2.x.x to setup Venom.

If you have questions, please contact our technical support at: support@tuact.com.