



# Disabled Gamers and Esports

Gaming accessibility



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# What is Esport?

Esport is organized video game competition. Such as The International for Dota2, League of Legends World Championship or PGL Major Stockholm for Counter Strike. However, smaller events, such as local LAN parties and online leagues are also esport.





# Why is Esport important?

## Billion dollar industry:

- Advertisement
- Merchandise
- Sponsorship

## Cultural phenomenon:

- Millions of people watch tournaments and actively participate in esports related activities.
- People have favorite teams and talk about them.
- Top esports players are role models.

## Social impact:

- Improves wellbeing
- Combats loneliness
- Integration

# Permastunned Gaming

- Esports organization for disabled gamers
- Overcoming hurdles people with disabilities face in esports
- What we do
  - Foster an inclusive community
  - Participate in research projects
  - Raise awareness
  - Support disabled gamers in esports





# Hurdles in Esports

- Tournament/Esports organizers
  - Restrictive Rules
  - Anti-cheat software
- Software/hardware developers
  - Expensive peripherals
- Society
  - Inaccessible infrastructures
  - Existing laws and regulations

# Accessible Gaming

## Hardware

- Out-of-the-box solutions
  - Azeron Gaming Keypad
- Specialized peripherals
  - Custom 3d printed buttons
- Modular solutions
  - Xbox adaptive controller



# Accessible Gaming

## Software

- **Visual**
  - Colorblind mode
  - 3d audiostage
- **Audio**
  - Subtitles
  - Visual cues
- **Physical**
  - Toggleable buttons
  - Remappable keys
- **Cognitive**
  - Reduced visual stimuli mode
  - Easy text mode

