

## Smart home gives independence back to the disabled

More than **one billion** people in the world live with some form of disability. In **South Korea** alone there are **over 2 million** persons with disabilities. Their lives is inconvenience and hard. **Over 26%** disabled people say that they don't have choice and control over their daily lives. Good afternoon everyone, my name is ZHANG HAOYU, and my major is computer science. Today I'd like to talk to you about **smart home gives independence back to the disabled**. After my presentation, I will be happy to take any questions.

It's very **small things** for us to turn on or off the switch in our daily lives. But it is really hard for the disabled. The people who are bound to a wheelchair or with limited movement have no ability to control their lives, **even a light**. This is an important issue because everyone has the **right** to enjoy his live whether he is disabled or not. But many problems that the able-bodied people have **never** considered. **One problem** the disabled face is position of the ordinary switch is designed according to the height of a **normal person**. It is a daily problem that people with disabilities are often troubled. People with limited movement have no ability to control aspects of their house.

The most important way to solve this problem is **give independence back to the disabled**. For example, **smart home**. Smart home can maintain and empower their lives and provide them with independence and freedom from many things. Through IOT and voice recognition technology, the disabled can control all aspects of their house easily by using **smartphone** or **voice** now. With smart home products like **MicroBot Push**, it is like a robotic finger that can be connected by **bluetooth or automation service**. It makes a really big difference for them to be able to live independently. Furthermore, setting it up is easy and makes so many things practical. The disabled can be able to control the lights from the bed, or anywhere. It is easy for the disabled to give a better deal and sense of control over their traditional light switches. Not only that, the disabled can control their home by using **voice**. Many smart speaker like Amazon Echo or Google home provides **not only** informational services **but also** voice control over systems in the house when it connected to other smart home devices. It is really helpful for people with disabilities to have the ability to control their lives start with control the household devices of their surroundings.

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In conclusion, smart home and assistive technology possibilities empower the lives of the disabled. Smart home **gives independence back to them** and helps give them **strength** and **hope** for the future.