

Accessible Pedestrian Button



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The Accessible Pedestrian Button is a new device developed to help everyone move safely and comfortably in the city. This device is especially designed for visually impaired, hearing impaired and physically disabled individuals. Users can activate the device by touching the button with very little effort.

The device automatically adjusts its own volume according to the surrounding noise. This way it gives a clear audio warning in every environment. This feature helps pedestrians and drivers move more safely in traffic.

The device can be easily configured from a computer and can be adjusted for different needs.



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TECHNICAL SPECIFICATIONS

Material	Aluminum
Touch detection time	120 ms
Usage type	Touch sensitive
Color options	Yellow and Black
Dimensions	350 x 140 x 98 mm
Power supply	24V DC
Detection Input voltage	220 VAC
Power consumption	Average 5W, maximum 8W
Operating temperature	Between -40°C and 70°C
Sound range	30dB – 90dB
Protection class	IP65
Impact resistance	IR3
Audible distance	5 meters
Electrical resistance	2880V
Mounting height	Between 0.8 m and 1.2 m from the ground
Standards	EMC, TS ISO, TSE
Communication Connectivity	Can be configured from a computer via Wi-Fi. Can send alerts to mobile devices via Bluetooth.
Audio feedback:	✓
Visual feedback	✓
Vibration	✓
Built-in speaker and microphone	✓
Braille alphabet	✓
Automatic countdown by analyzing the status of the connected traffic light	✓
Adjustable volume according to environmental noise	✓
Illuminated touch button	✓
Microphone for detecting ambient sound	✓
System control unit	✓
Configuration interface software	✓
Ability to set volume levels for specific time intervals for all days of the week	✓
Playing audio files via micro SD card	✓
Uploading audio files by connecting to the interface software via Ethernet	✓



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Design Features

- The device has a "STOP" sign and text on it.
- When the button is pressed, the "STOP" text lights up in red LED light.
- When the green light turns on for pedestrians, the "STOP" text turns off.
- Any text and logos can be added below the "STOP" text.
- The device is designed with the needs of visually impaired individuals in mind.

Key Benefits

- Accessible design for everyone
- Easy to use
- Safe traffic experience
- Environmentally friendly
- Flexible connectivity options
- Easy customization
- Low maintenance cost
- Compliance with European standards
- Versatile connectivity

Features

- Touch sensitive detection technology
- Low power consumption
- Automatic volume adjustment according to the environment
- Braille alphabet support
- Audio feedback with microphone and speaker
- Easy installation and maintenance



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