



## Directional speaker

### T-50DXB



## Description

Ultrasonic directional loudspeakers can propagate directionally through the air like a flashlight beam, controlling sound waves within a specific area. The sound is loud within the designated area, but becomes quieter outside of it. They are suitable for schools, museums, exhibition halls, planning museums, science museums, theme parks, and other similar venues.

## Features

- \*directional speaker enclosure is made of aluminum alloy CNC machining, balancing strength and weight, and has a black anodized surface, giving it a high-end appearance and making it wear-resistant .
- \*The directional speaker uses 116 ultrasonic units, which are arranged closely together using scientific algorithms to ensure clear and delicate high-frequency extension.
- \*The directional speaker enclosure features a robust, one-piece stamped protective mesh that effectively protects the ultrasonic unit from damage .
- \*Directional speakers have extremely strong directionality, achieving optimal control over the direction of sound and minimizing noise pollution .
- \*Directional speakers have an ultra-narrow beam angle, avoiding mutual interference between different sound sources .
- \*The directional speaker features a preprocessing algorithm to reduce distortion, meeting the needs of ordinary speech and music .
- \*The directional speaker has an ultra-long range, and the sound intensity does not decrease with distance due to the spherical surface, thus increasing the propagation distance .
- \*The directional speaker's ultra-thin design, with its ultra-thin transducer unit, gives the system an ultra-thin profile .
- \*A directional speaker is a virtual sound source that produces the effect of sound by reflecting off an object .
- \*The directional speaker features professional-grade two-pin copper connectors, ensuring excellent electrical connection performance and reliable signal transmission.
- \*The driver housing is made of all-aluminum alloy .
- \*The driver has been fully upgraded in terms of sound quality, delivering perfect stereo sound .
- \*The drive has built-in audio playback functionality, supporting playback from USB flash drives and TF cards , 3.5mm audio input , and Bluetooth 5.0. Audio playback priority: 3.5mm audio input takes precedence over USB flash drives and TF cards .
- \*The driver supports external infrared sensors to control the audio player, and supports automatic sensing and audio playback , with a 30-second delay after the person leaves before stopping audio playback .
- \*The driver supports infrared sensor control modes ( BT mode , mute mode , and start playback mode) . In BT mode , the infrared sensor function is off , and it supports 3.5mm audio input, USB flash drive , and TF card input . When none of these are connected , Bluetooth is enabled . In mute mode , the audio loops every time the infrared sensor is triggered, and it supports 3.5mm audio input, USB flash drive, and TF card input. In start playback mode , the audio starts playing from the beginning every time the infrared sensor is triggered, and it supports USB flash drive and TF card input .
- \*The driver supports extended remote control control (it can support extended central control analog remote control control).



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#### Specification

Rated power of directional speaker	50W
Total Harmonic Distortion of Directional Speakers	0.5%
Maximum sound pressure level of directional speaker	95dB @ 1kHz / 1m
directional speaker frequency range	400Hz - 10kHz
Directional speaker pointing angle	±15°
Dimensions of a directional speaker (W×D×H)	263×28×132mm
Net weight of directional speaker	0.85 kg
drive rated power	70W
peak power of the driver	280W
Total Harmonic Distortion of Driver	≤0.5%
Driver power input	DC24V / 3A
Driver dimensions (H×W×D)	45×175×119mm
Driver net weight	0.7 kg