PROPA-U series is the ELTEM's Product line of Super Directional Speakers.

These products create audible sounds by using ultrasonic waves. Therefore, the directivity of sounds is very excellent. You can only hear the sounds where the loudspeaker is pointing.

PROPA-U100 Outdoor

PROPA-U200 Outdoor

PROPA-U100 Outdoor

- The sound is clean and clear.
- Built-in amplifier.
- Waterproof (IP43), suitable for outdoor use.

SPECIPICATIONS

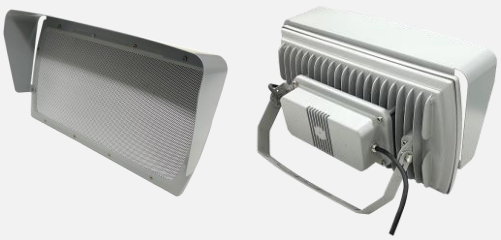
Max. SPL	105dB@1m
Frequency Response	200Hz ~ 5kHz
Directivity	±10°(1kHz, -10dB)
Power	18VDC (25W)
Size/Weight	227(W)×193(H)×205(D)mm / 2.2kg
Input Method	Audio stereo jack(3.5Ø) 0.9V peak
Wall Mount	Up/Down : ±90°

PROPA-U200 Outdoor

- The sound is clean and clear.
- Built-in amplifier.
- Waterproof (IP43), suitable for outdoor use.
- Suitable for outdoor noisy places.

SPECIPICATIONS

Max. SPL	105dB@1m
Frequency Response	200Hz ~ 5kHz
Directivity	±10°(1kHz, -10dB)
Power	18VDC(40W)
Size/Weight	440(W)×240(H)×200(D)mm / 3.6kg
Input Method	Audio stereo jack(3.5Ø) 0.9V peak
Wall Mount	Up/Down : ±90°



Environment Certifications

- ✓ KC Registration of Broadcasting and Communication Equipments
- ✓ FCC Declaration of Conformity
- ✓ Water and Dust Protection : IP43

eltem
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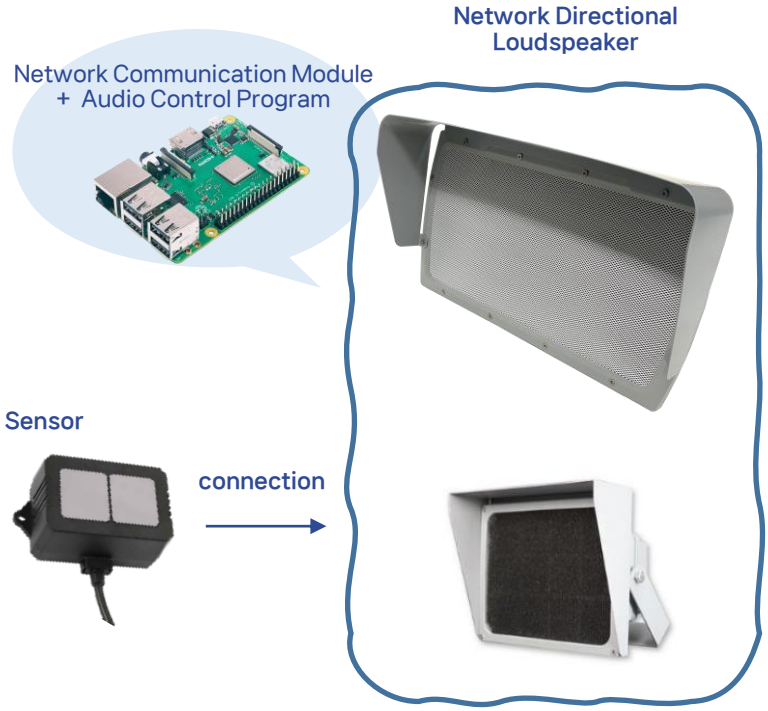
Network Directional Loudspeaker

PROPA-U200N Outdoor, PROPA-U100N Outdoor

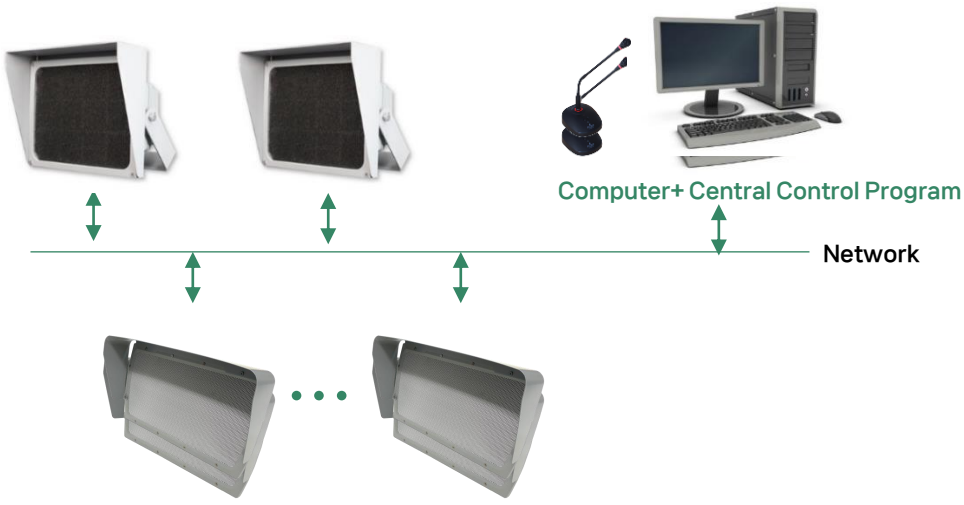
- Network Directional Loudspeaker is a speaker equipped with an additional network communication module in PROPA-U200 Outdoor. Therefore, it can be used by connecting a LAN communication cable and a power supply. Since it has an audio control program built-in, it is linked with sensors to broadcast when a person is detected, sound source playback broadcast, or real-time microphone broadcast from a central control room.

Main Functions

- Play sound source when a person is detected
- If not detected, the sound source stops after 10 ~ 30 seconds (adjustable at initial setting)
- Operation time setting function (Play only at the desired time)
- Repeat one or all songs
- Sequential play
- MP3, Wave file support
- Support for various sensors
- Central broadcasting through network
- Sound source playback / Real-time microphone broadcast
- Sound source management through network
- Management of playback sound sources by day of the week
- Sensor deactivation function



Network Operation Concept



Control Program

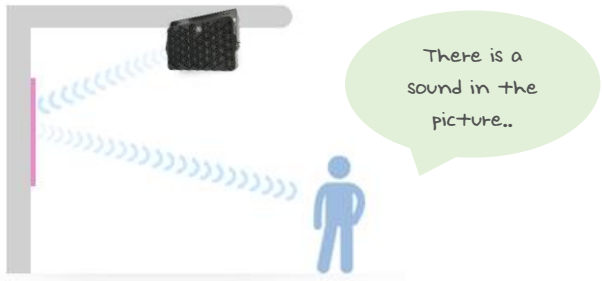
What is a Super Directional Loudspeaker?

A Super Directional Loudspeaker can send sound to the place which you want to send by emitting sound like a laser. Since ultrasonic waves send sound, the straightness of sound is excellent. Almost no sound can be heard from the back or the sides of the loudspeaker.

Main Features of Super Directional Loudspeakers

"Directivity"

Sound can only be heard in the direction that the loudspeaker is pointing.

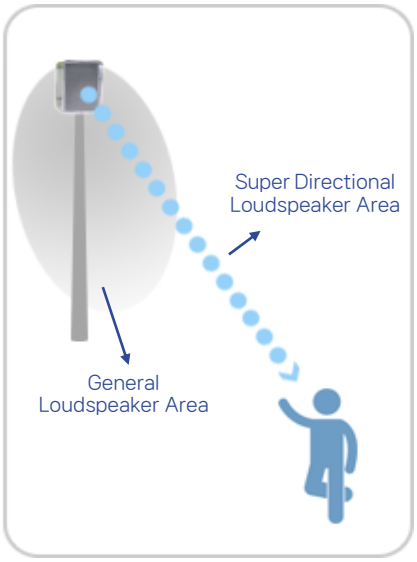


"Reflection of Sound"

When a sound hits an object, it is reflected.

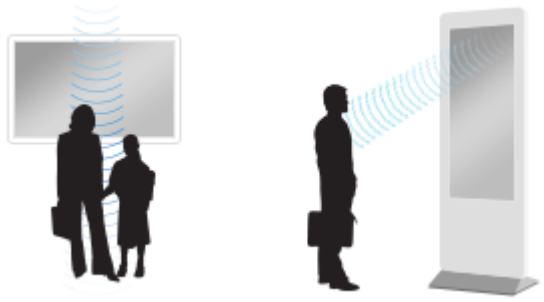
General Loudspeaker

Super Directional Loudspeaker



General Loudspeaker + Super Directional Loudspeaker

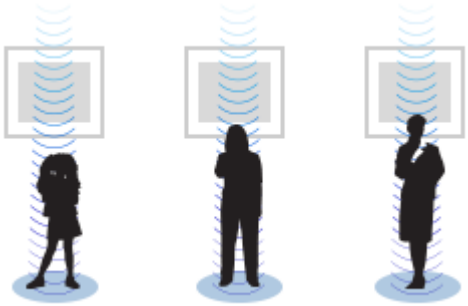
Applications of Super Directional Loudspeakers



✓ Digital Signage Advertising

Each sound does not interfere with each other,
and only the sound of the ad you are looking at is heard.

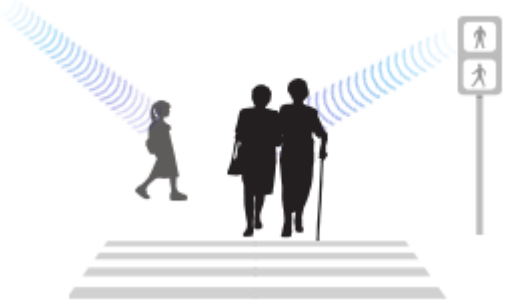
Screens inside buildings such as shopping malls,
Cinemas, Subways, Airports, Outdoor Display Boards
and Street Advertising



✓ Exhibition Advertisement

Sound can be transmitted only to the desired area,
so effective information can be provided.

Exhibition Halls, Museums, Public Relations Halls, etc.



✓ Crosswalk Announcement

The announcement can be delivered to those who need
attention without being assimilated to ambient noise.

✓ Bus Stop Announcement

Sound can be delivered only to where you want
without noise damage to the surrounding areas.

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