

What is a Safety Public Address System?

PROPA-250CT is a Acoustic Hailing Device for Tunnel Broadcasting. Eltem's unique and innovative technology allows clear announcement and warning broadcast to be transmitted to long distances (1km) for traffic control and accident prevention in highway construction and accident areas. Eltem Corp. has various products depending on utilization.

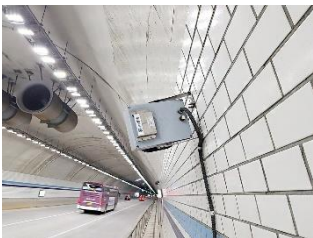
Acoustic Hailing Device for Tunnel Broadcasting PROPA-250CT



Safety Broadcasting System for Tunnel
with Military Long Range Acoustic Hailing Device Technology

- ✓ Superior directivity
- ✓ Superior Voice Intelligibility and Highly clear communication up to 1km
- ✓ Perfect waterproof
- ✓ Sunlight Corrosion Resistant & Flame Retardant Horn speaker
- ✓ Outstanding durability
- ✓ Control multiple speakers over the network
- ✓ Timer operation by software
- ✓ Simultaneous broadcasting / delayed broadcasting

PROPA-250CT installed in the tunnel



Control Box

- A single controller controls multiple speakers over the network.
- Play sound sources only in the time zone set by the software.
- Play a variety of sound sources or one sound source indefinitely.

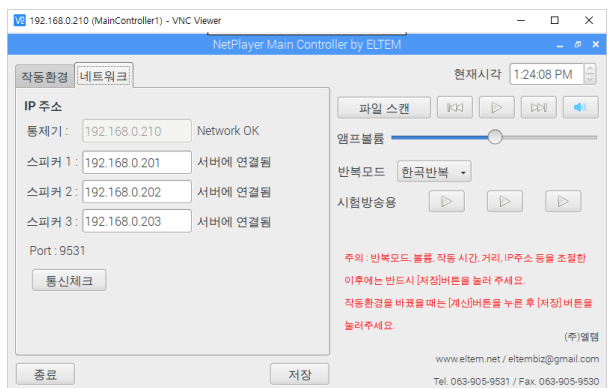
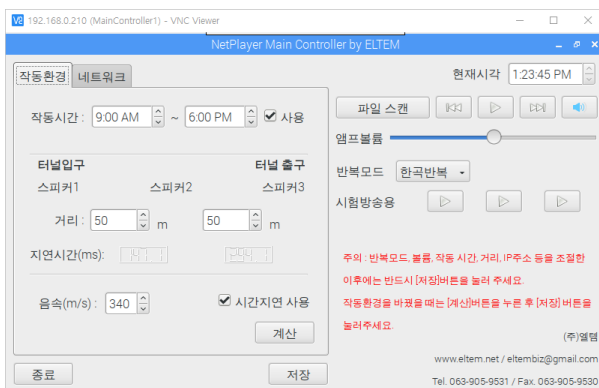
❖ Speaker Specifications



Max. SPL	137dB@1m Front, Peak
Frequency	600Hz ~ 10kHz(-10dB)
Directivity	±15°(1kHz Sine, -3dB)
Power	12VDC/24VDC
Unit	250W(Max.300w), Neodymium Magnet
Size	250×330×280mm
Weight	9.35kg



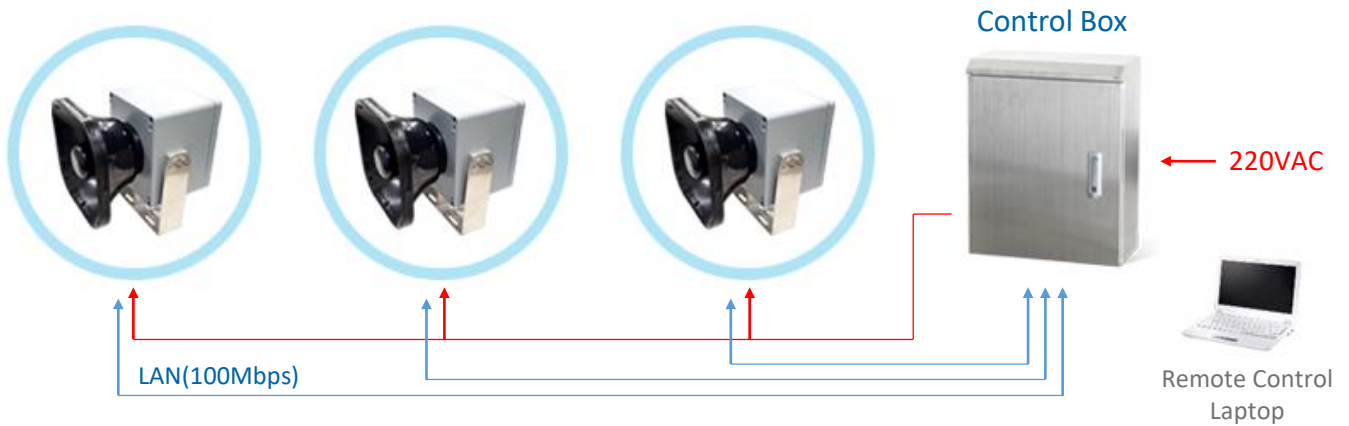
❖ Speaker Control Program



➤ Functions of Speaker Control Program

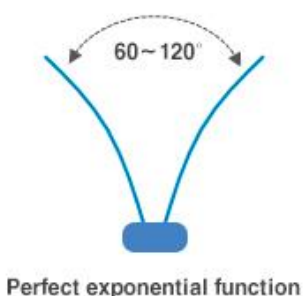
- Three operating time setting
- Various sound sources
- Delayed broadcast between loudspeaker system
- Input sound sources via network
- Sound source Playback / Stop / Previous song / Next song / One song repeat / Folder repeat

❖ Speaker Wiring Diagram



Main Features of Directional Horn Speaker

- By implementing a perfect exponential horn, the sound quality is good and the output performance is very good. In other words, the sound is very large compared to the output.
- The horn loudspeakers are thick, contain vibration suppression functions, and are not swayed by high-power broadcasts, and their clarity (STI) is remarkably good.
- UV protection : It does not corrode even in sunlight and has a long life.
- Flame retardant : It is strong against fire.



Applications of Acoustic Hailing Devices



Emergency Warning & Fire Rescue

Fire Evacuation Broadcast, Public Place Guide and Evacuation Broadcast, Valley Evacuation Broadcast due to heavy rain, and Coastal Accident Prevention & Evacuation Broadcast



Law Enforcement, Homeland & Border Security

Illegal Activity Warning, Beach Announcement, Access Control Broadcast, Crowd Control

Military, Maritime, Security & Protection

Military Training control, Anti-Piracy, Major Facility Intruder Warning, Preserving Wildlife & Protecting Assets



Traffic Accident Broadcasting, Traffic Control

Traffic Control, Prevention of Secondary Accident, Traffic Accidents and Foggy Broadcast, Emergency Evacuation Broadcast.

Installation in Ships, Vehicles and Drones

Mounting on Warships, Ships, Fire Trucks, Ambulances, Police Cars, Helicopters, Drones

