

# smartSMS-NET

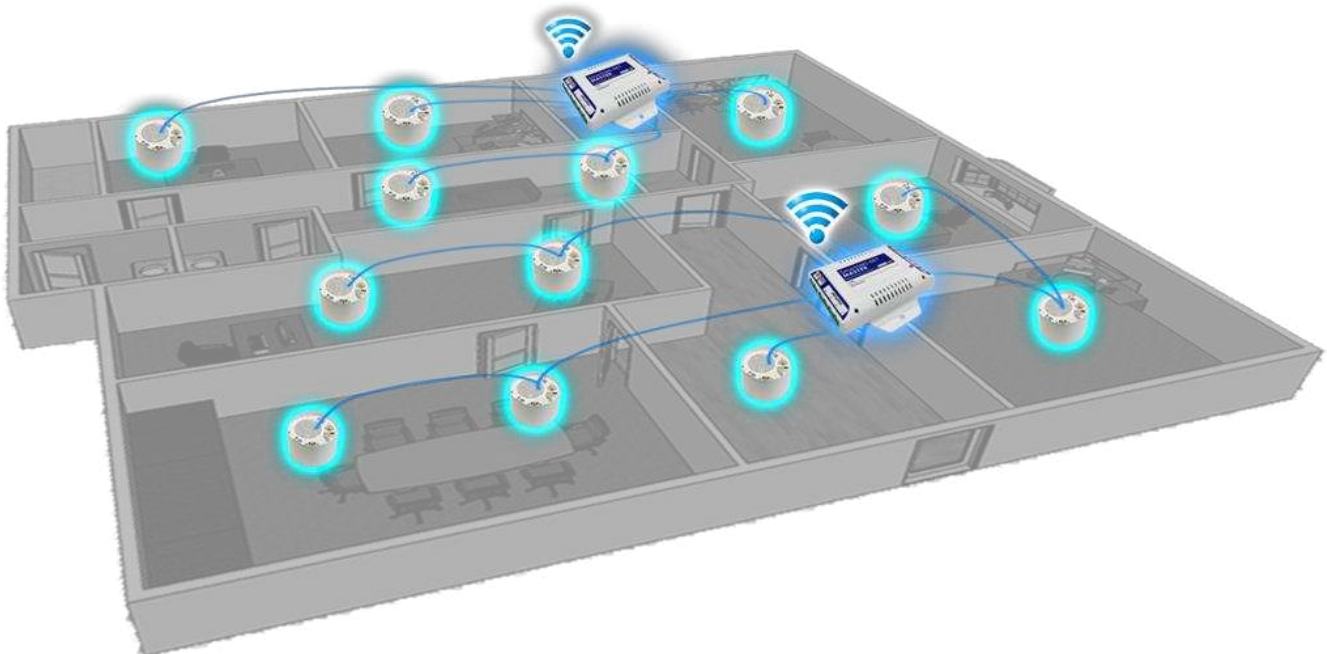
## Networked Smart Sound Masking System

Flexibility, simplicity and unrivaled sound masking quality  
WiFi and state of the art Graphical User Interface

Each **smartSMS-NET** unit provides:

- True random noise generator (no repetition)
- 4 independent sound masking channels (100Hz to 6.3kHz)
  - 340 narrow bands automatic equalizer
  - 1/3<sup>rd</sup> octave bands automatic or manual equalizer
- 4-Channel amplifier providing 88 dBA at 1m
- 1 to 6 speakers per channel for a total of 24 speakers per unit
- 2 music and paging inputs with independent 1/3<sup>rd</sup> octave equalizers for each output channel
- 2 inputs for wall mounted volume control knobs

Many units can be networked together to deploy large sound masking projects, where each zone (1 to 6 speakers) can be adjusted independently.



The **smartSMS-NET** sound masking system includes Soft dB's exclusive features that improves the quality of sound masking technology and is the reference in the industry:

- Adaptive volume adjustment for optimal efficiency and comfort (US Patent 8116 461)
- Automatic equalization that guarantees the optimum sound masking spectra (US Patent 7460675)

## smartSMS-NET-R120

When large sound masking zones are required, the **smartSMS-NET-R120** can be used to power up to 30 loudspeakers per channel. WiFi equipped and fully compatible with the smartSMS-NET system, one or many smartSMS-NET-R120 can be used in conjunction with one or many smartSMS-NET units on the same project.

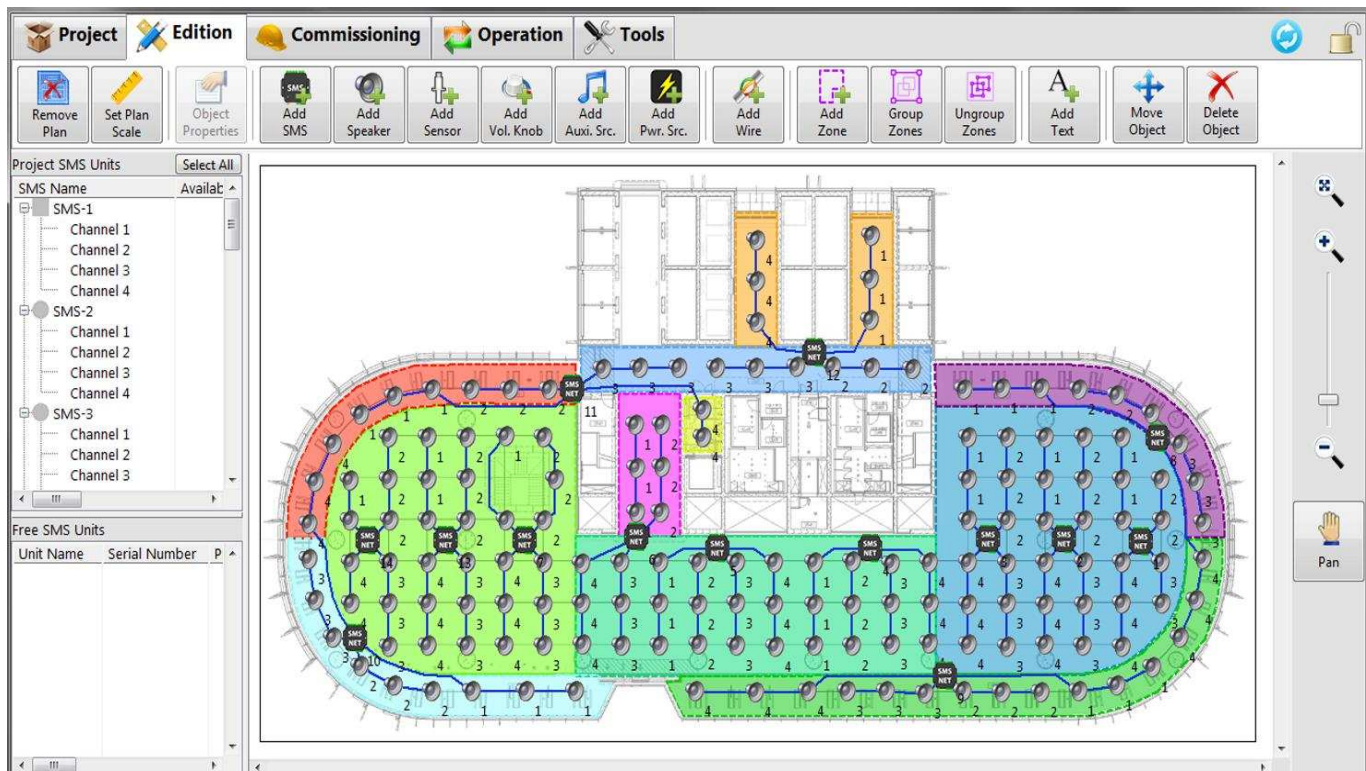


## Project Manager Software

The smartSMS-NET Project Manager Software allows the user to easily **see**, **access**, and **control** each loudspeaker or group of loudspeakers with a state of the art graphical user interface.

Designed with touch screen features in mind, the smartSMS-NET Project Manager Software integrates the **design** and **calibration** stages. The intuitive interface allows the user to:

- Place smartSMS-NET units, speakers, zones and wiring schematic directly on the office layout
- Calibrate and setup the system (select the target sound masking spectra and calibrate, set-up active volume control, set-up paging level, etc.)
- Change volume on any speaker or groups of speakers by the end-user.



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## The smartSMS-NET Wifi networked system: A breakthrough in sound masking technology

Simple and highly versatile, without compromise on sound masking performance and quality.

- Wireless network simplifies design and reduces installation costs (no proprietary cables required)
- **Adaptive** volume control, a Soft dB exclusive feature that provides unparalleled comfort and efficiency of the sound masking system
- State of the art graphical user interface that integrates the design, setup, and calibration stages directly on the office layout plan.
- 24/7 monitoring and diagnosis feature

### Certifications – ETL Listed 3191772

- **UL 60065 / ULC 60065** – Audio, Video and Similar Electronic Apparatus – Safety Requirements (2003)
- **UL 2043** – Standard for Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces (1996)
- **EN 55103-1, 2** – (FCC) Electromagnetic compatibility. Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use.

### Conform to all ASTM requirements related to sound masking systems

- **ASTM E1374-06 (11)** – Standard Guide for Open Office Acoustics and Applicable ASTM Standards
- **ASTM E1573-09** – Standard Test Method for Evaluating Masking Sound in Open Office Using A-Weighted and One-Third Octave Band Sound Pressure Levels
- **ASTM E1130-08** – Standard Test Method for Objective Measurement of Speech Privacy in Open Offices Using Articulation Index
- **ASTM E2638** – Standard Test Method for Objective Measurement of Speech Privacy Provide by Closed Rooms

## Specifications

General		
Connectivity	WiFi and USB	
Project Size	Up to 50 SMS-NET units (200 zones)	
Sound Masking	smartSMS-NET	smartSMS-NET-R120
Outputs	4	
Speakers	6/channel - total: 24/unit	30/channel - total: 120/unit
Volume	30 to 88 dBA in 0.1 dB steps and mute	
Equalization	Auto calibration process on 340 narrow bands and 1/3 octave bands	
Target Spectrum Curves	Unlimited user defined and 24 pre-set	
Ramp-Up Period	User defined from 5s to 30 days	
Active Volume Control	smartSMS-NET	smartSMS-NET-R120
Sensor Input	1	2
Control	Independent adjustment on each output channel	
Volume Change Rate	Adjustable, 0.1dB steps, updates every 15s (user defined)	
Number of Volume Changes	Unlimited (automatic)	
Active Adjustment Range	User defined; maximum range: -7 to +3 dB relative to the nominal masking level.	

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## Specifications (cont.)

Paging and Music	
Inputs	2
Mixer	Independent on 4 output channel
Volume	30 to 88 dBA in 0.1dB steps
Equalization	18 1/3 octave bands (125Hz to 6.3kHz)

Volume Control Knobs (optional)	
Volume Knob Inputs	2
Source Control	Sound Masking and/or Paging and Music

Volume Schedule (optional)	
Schedule	Unique schedules for each day
Daily Volume Change	Up to 24
Volume Settings	0.1 dB steps
Transition Change Rate	Adjustable (Y dB steps/X minutes)
Daylight Savings	Automatic on time zone setting

Network	
WLAN	Private Access
Security	Encryption WPA/WPA2 or WEP 40/64-bit
Network	Only required for setup (not required for operation)

Connectivity	
Power	2-pin screw terminal block
Speaker Output	2-pin screw terminal block
Music/Paging Input	2-pin screw terminal block
Active Volume Control Input	2-pin screw terminal block
Volume Knob Input	2-pin screw terminal block
USB	Mini USB
Network	Wireless (no connector)

Power	smartSMS-NET	smartSMS-NET-R120
Input	18-24VDC	
Consumption	Max 15W	Max 150 W
Power supply available	50W, 120W and 160W	

Warranty	
Warranty	5 years
Life Expectancy	15 years



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