



2N® NetSpeaker

IP Audio and Paging System



Centrally managed audio broadcasting system

The 2N® NetSpeaker system is a unique solution for public address and paging using Internet and LAN networks as a streaming medium. Its universal infrastructure enables it to be used anywhere from family restaurants to large university campuses or multinational retail chains. The 2N® NetSpeaker enables its users to stream music, play jingles, broadcast recorded announcements or page information using a microphone.

The major advantage of the 2N® NetSpeaker system is the Central Management tool, which makes management of large scale systems much easier. The on-line status of all system components, stream sources, users etc. is standard. Shopping malls and fashion shops can make use of Internet Radio playback together with scheduled advertisements or service announcements. Your secretary or receptionist can have a new, convenient way to use his/her phone to announce information over the audio system, thanks to simple interconnection with IP PBX systems via SIP protocol.

Benefits:

- Integration with SIP-VoIP systems
- Automated playback of scheduled announcements
- Integrated 16W amplifier
- Easy to deploy and use

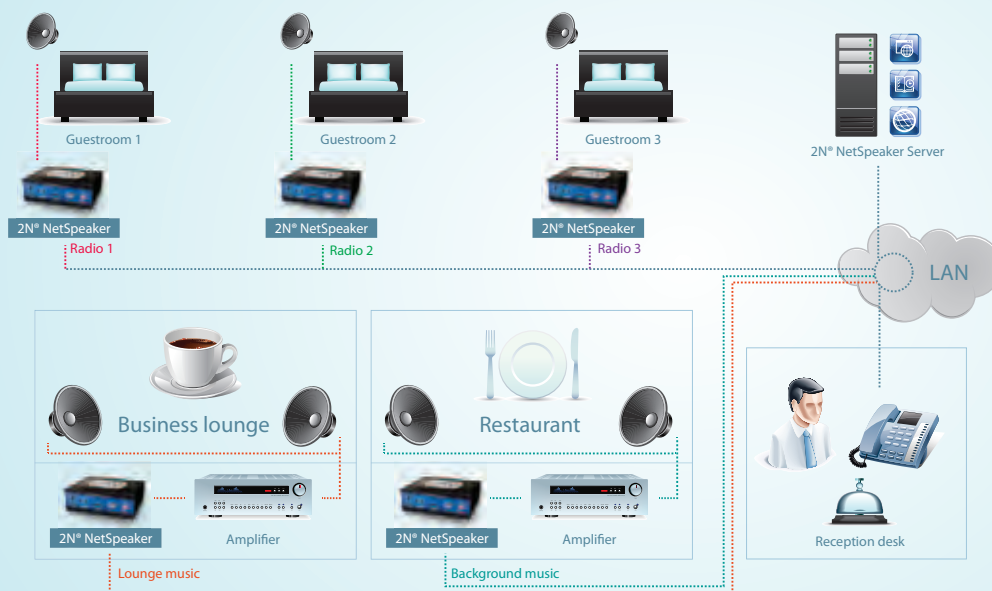
Target Groups:

- **Business:** shopping centres, offices
- **Education:** universities, campuses, schools, sports areas
- **Healthcare:** hospitals
- **Transportation:** bus/train stations, airports
- **Government:** public administration, prisons
- **Industry:** manufacturing & production facilities, warehouses



How does the 2N® NetSpeaker work?

Hotel



This example shows the use of a 2N® NetSpeaker system at a hotel where...

- each guest can locally change the mood of music played in a room
- an event in the business lounge can use the 2N® NetSpeaker during presentation
- the restaurant has decent background music to match the cuisine of the day
- the receptionist can page guests using a standard phone

Most valuable benefits



Internet Radio Support

Demand of constant background music at a store, restaurant or shopping mall, requires from you to either create a large playlist so the same music is not repeated too often, or just choose the right Internet Radio and solve this issue effectively. The 2N® NetSpeaker system will redistribute the chosen Internet Radio stream into the zones selected by administrator.



Scheduler

Managing regular messages, announcements or safety information is essential for public transport, shops, airports etc. The 2N® NetSpeaker's Scheduler function takes full control of such requirements and ensures the playback of chosen message in the right zone at the right time.



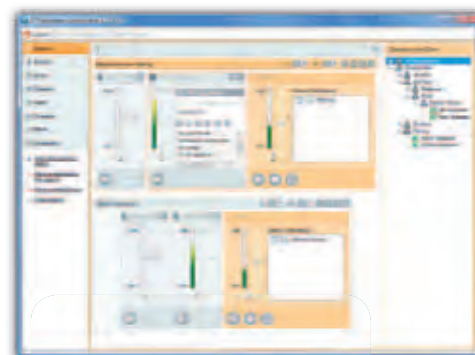
Central Management of the whole system - administration tool

Together with the 2N® NetSpeaker you get a graphical administration tool which provides an easy way to centrally control and manage even complex audio installations. Administrators can manage the functions of all 2N® NetSpeaker units, create zones, set up user rights, schedule announcements and much more.



2N® NetSpeaker Console and 2N® NetSpeaker Player - user tools

The 2N® NetSpeaker offers standard PC users intuitive and simple to use applications for voice announcements and music playback. Anyone familiar with Windows Media Player™ or WinAmp™ will be able to use them easily.



2N® NetSpeaker Control Panel



2N® NetSpeaker Console

2N® NetSpeaker unit - Technical Parameters

Interfaces

10/100Base-TX Ethernet (RJ45)
Integrated power amplifier
Line-out 3.5" stereo jack
MicroSD card slot for offline playback
Digital input and output

Audio parameters

2x8W (STEREO) or 1x16W (MONO) pure RMS output
4 - 16 Ohm loudspeaker support
20Hz - 20kHz (+/- 0.5dB) frequency range
Up to 48kHz/16bit streaming



2N® NetSpeaker unit