



# 2N<sup>®</sup> NetSpeaker & 2N<sup>®</sup> SIP Speaker

IP Audio systems for Municipalidad de Quinta Normal



All 2N IP Audio products were renamed and redesigned in 2015.



## The response of those involved

*„The original technology did not allow us to connect PBX to the old audio system. The sound quality did not match our requirements. We sought to find out a technology that would allow us modernization and integration with the IP world.“*

**IT Manager**  
**Mr. Juan Valdivia**

# SUCCESS STORY

## About our customer

The operator Claro Chile has modernised the voice and data platform at all of the customer's workplaces; not only at the municipal authority, but also at the medical clinics which are dependent on this municipal authority. In order for the client to notice new features and functionalities on this new platform, Claro Chile added the technology to voice broadcast into strategically placed speakers, from their office telephones. For example, doctors could now call their patients from their office telephones. The design and sale of the entire solution was provided by a 2N partner, the e-Intecnova company (Servicios Integrales de Ingeniería).

## What led Municipalidad de Quinta Normal to change?

The operator Claro Chile won a public tender for the complete modernisation of the voice and data platform of the municipal authority of Municipalidad de Quinta Normal and also its medical facilities situated in different places of this city borough.

Claro Chile offered an IP open platforms solutions for the client's needs of data and voice. However, they wanted to offer more value to the client's business than just voice and data so their engineers proposed a voice broadcast system which they knew from 2N TELEKOMUNIKACE. In this way their solution would be different to all other vendors which ultimately proved very successful since they won the Public Tender. The solution proposed was based on 2N<sup>®</sup> NetSpeaker and 2N<sup>®</sup> SIP Speaker.

## The following were the key differentiators that the client saw in Claro's project proposal:

- Claro is a strong player with a large foot print in the region, thus strong credibility
- Project based on Last generation Technology of Audio over IP
- Technological innovation
- New functionalities which the end user could easily use and take advantage of



## Solution benefits

- The client, which is a city agency, is empowered with state of the art technology
- Using current platform, the client is planning to broadcast an Internet Radio for a school which operates within the client
- LAN and WAN network utilised for installation of 2N IP Audio system
- This success story is driving other city agencies to look and ask for 2N® solutions

## Why did the customer choose 2N® NetSpeaker and 2N® SIP Speaker

The greatest complexity was to coordinate the multiple suppliers to carry out the project integrating all the different components. However the installation, although it took a bit longer than expected, was a terrific success.

The voice broadcasting system based on the product 2N® SIP Speaker was successful in the initial tests. The customer later decided that, in addition to voice broadcasting, background music would also be played at selected sites. The solution using the product 2N® SIP Speaker did not work according to expectations because the 2N® SIP Speaker can process only 64k, which is insufficient for high quality music.

2N TELEKOMUNIKACE offered the customer a solution using the 2N® NetSpeaker for playing the background music, providing very high level sound quality. The problem was solved, and the customer is now satisfied both with voice broadcasting and the background music system.

## Product description



The 2N® NetSpeaker is an IP audio system that enables acoustic communication or other audio stream to be played from a given PC in a LAN/WAN network. For audio transmission over IP all you need to do is connect a standard speaker or amplifier to the 2N® NetSpeaker, thus creating a virtual central broadcasting system. This allows for any audio to be played with the options to create separate zones with different communication content.



The 2N® SIP Speaker is an IP paging device with many useful functions. It can be used at the workplace, in schools, offices and other public spaces. You can use it with a loudspeaker as a simple PA system or with a microphone as a two-way intercom. The link between IP technology and an SIP protocol enables announcements to be sent to all the devices in the system, to select individual zones or call a specific device.



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