



## 2N® Net Speaker

Put sound in space with no audio wiring. The modern IP loudspeaker, the 2N® Net Speaker plays back high-quality audio. It receives the signal over the IP network using its integral decoder and amplifier. What's more, the audio signal is synchronous in all speakers.



Schools and campuses  
Amusement parks  
Office buildings  
Health care

Sports facilities  
Shopping centres  
Railway stations, airports  
Other public spaces

### Quick installation

Connect the encoder to your existing LAN/WAN network and easily set it all up in the software application. There is no tricky programming or installation of cabling to worry about.

### Easy operation

Take control of your IP audio system from your computer, tablet or mobile phone. Easily schedule the broadcasting of pre-recorded tracks, adjust the volume and monitor device operation.

### Creating separate broadcast zones

Broadcast diversified content to as many as 100 different destinations; Exactly the way you need to. Moreover, the application lets you devise separate broadcast schedules for all the zones.

# 2N® Net Speaker

## FEATURES & BENEFITS

### Online monitoring

You will have an overall view of the status of all devices and can instantly identify any fault.

### Connecting a second loudspeaker

2N® Net Speaker can easily be supplemented with a classic low-impedance speaker.

### Power supply

The Speaker can be line powered using PoE or from a 12 V power source.

### Volume control

The speaker volume can be controlled centrally and locally, from a PC, tablet, smart-phone or even a remote control.

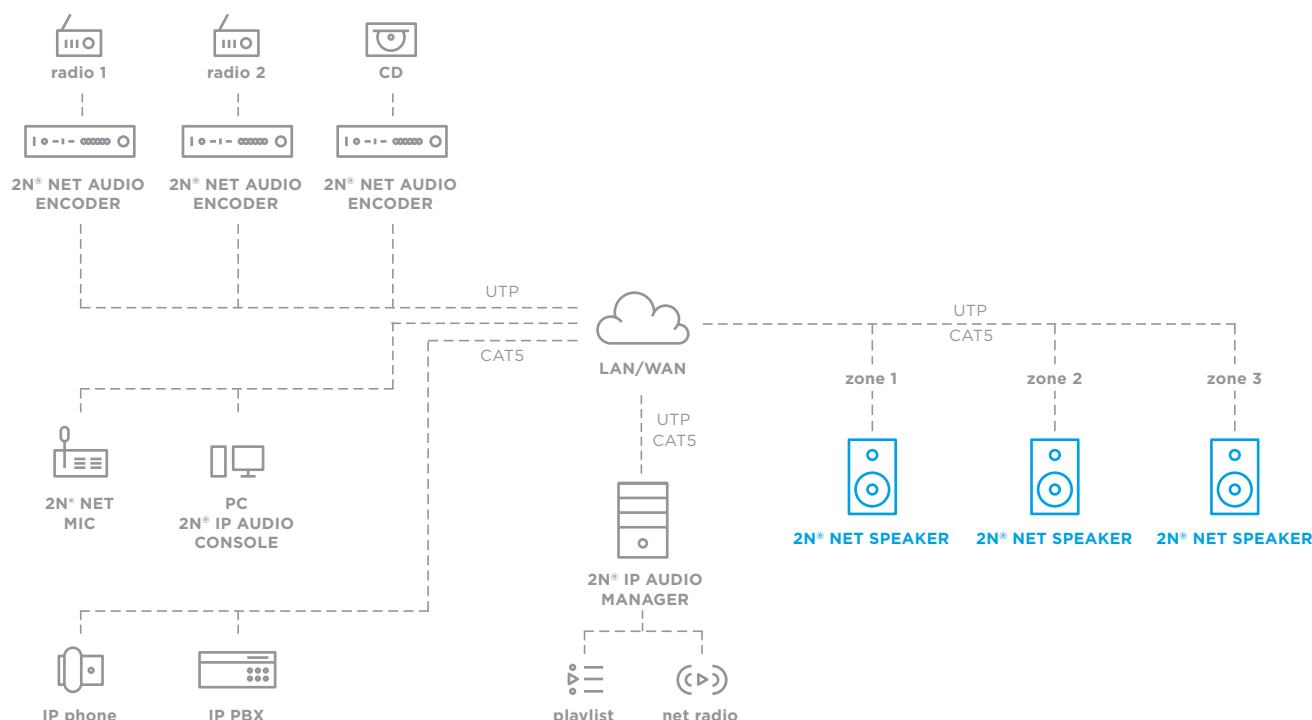
### Bulk firmware upgrade

When a new version of the firmware is released you can update all the devices easily from one location.

### Integration to other systems

The speaker is easily integrated into third-party systems using the API.

## DIAGRAM



## TECHNICAL PARAMETERS

### 2N® Net Speaker - wall-mounted with fitting

Impedance	8 Ohm
Output	8W PoE / 14W 12V
Frequency range	75Hz - 20KHz
Sound pressure	100dB (SPLmax)
Dimensions (h/w)	250 x 176 x 143mm
Weight	2,3kg
Colour	black/white
Option to connect a secondary passive speaker	

### Audio stream

Audio compression	MPEG-1 Audio Layer II (MP2)
Bandwidth	32-320kbps
Stream	unicast/multicast

### 2N® Net Speaker - ceiling-mounted

Impedance	8 Ohm
Output	8W PoE / 14W 12V
Frequency range	90Hz - 24KHz
Sound pressure	105dB (SPLmax)
Dimensions (h/w)	250 x 175mm
Weight	4,9kg
Colour	white

### Power supply

External power supply	12V DC / 2A
Power over Ethernet	PoE IEEE 802.3af

## SOFTWARE

**2N® IP Audio Manager** - application, the nerve-centre of 2N IP audio

**2N® IP Audio Control Panel** - application for controlling 2N IP audio via a computer

**2N® IP Audio Remote Control** - application for controlling 2N IP audio via a smart-phone or tablet

**2N® IP Audio Virtual Sound Card** - allows music to be played back via any PC

**2N® IP Audio Console** - allows music to be played back via any PC