2N® Net Speaker

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

Schools and campuses	Sports facilities
Amusement parks	Shopping centres
Office buildings	Railway stations, airports
Health care	Other public spaces

Quick installation

Connect the speaker 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.

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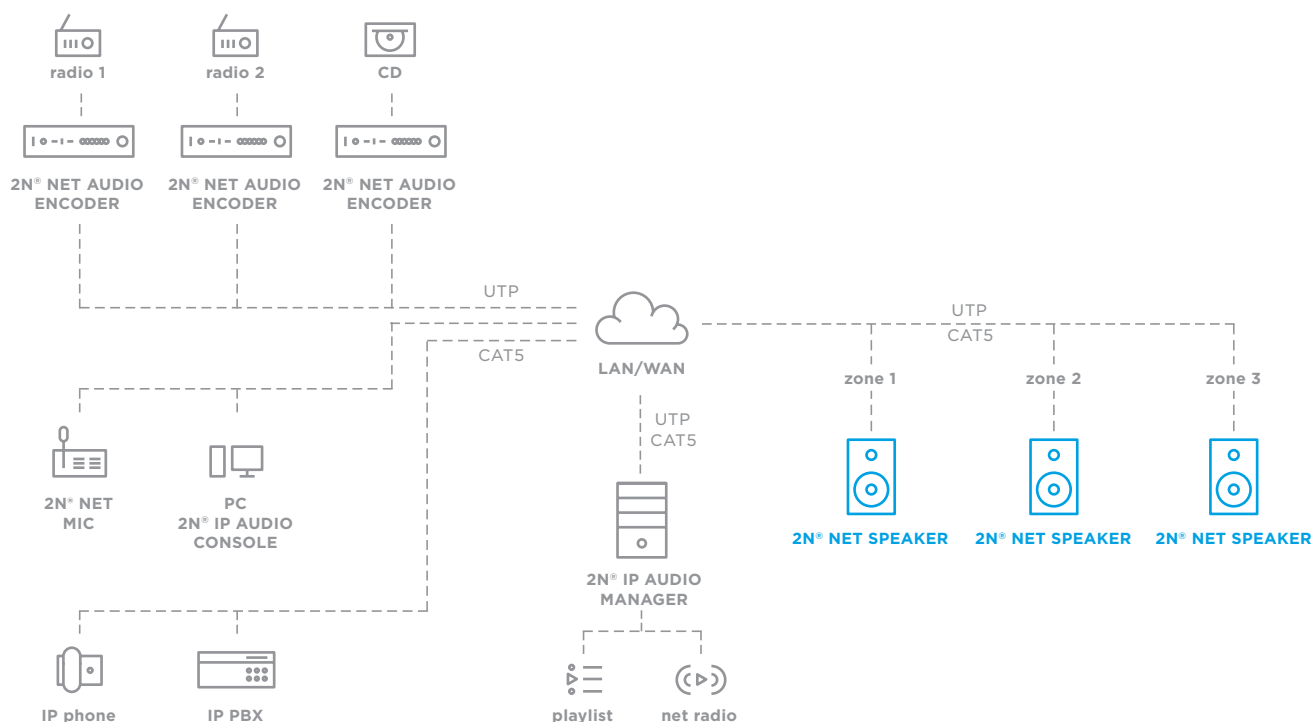
Bulk firmware upgrade
When a new version of the firmware is released you can update all the devices easily from one location.

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

radio 1   radio 2   CD

2N® NET AUDIO ENCODER   2N® NET AUDIO ENCODER   2N® NET AUDIO ENCODER

UTP
CAT5
LAN/WAN
UTP
CAT5
zone 1   zone 2   zone 3

2N® NET MIC   PC 2N® IP AUDIO CONSOLE

UTP
CAT5

2N® NET SPEAKER   2N® NET SPEAKER   2N® NET SPEAKER

2N® IP AUDIO MANAGER

IP phone   IP PBX

playlist   net radio

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

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

Audio stream

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

Power supply

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

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