2N® Net Audio Encoder

Modernize your audio system with the benefits of IP technology, without changing your current audio source. To broadcast audio over the IP network you can continue to use your FM radio, CD/MP3 player or microphone. All this thanks to the 2N® Net Audio Encoder, the converter of traditional analogue audio signals into IP form. What's more, you won't be constrained by distance limits.

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

Easy transition to IP

Move to the modern solution; audio over your IP network. 2N® Net Audio Encoder converts the audio signal from traditional analogue sources into IP form, which broadens your options.

More audio signal source options

Connect multiple analogue audio sources. Connect each one to an encoder that takes care of the transfer of audio over the data network to any distance.

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.

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FEATURES & BENEFITS

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

Easy operation
Your IP audio system can be easily managed from your computer, tablet or smart-phone.

Creating separate broadcast zones
You can easily send different content to different zones. The application lets you make separate broadcast schedules for each of the zones.

Scheduled announcements
Easily schedule your broadcasting of pre-recorded tracks to each of the zones, to suit your needs exactly.
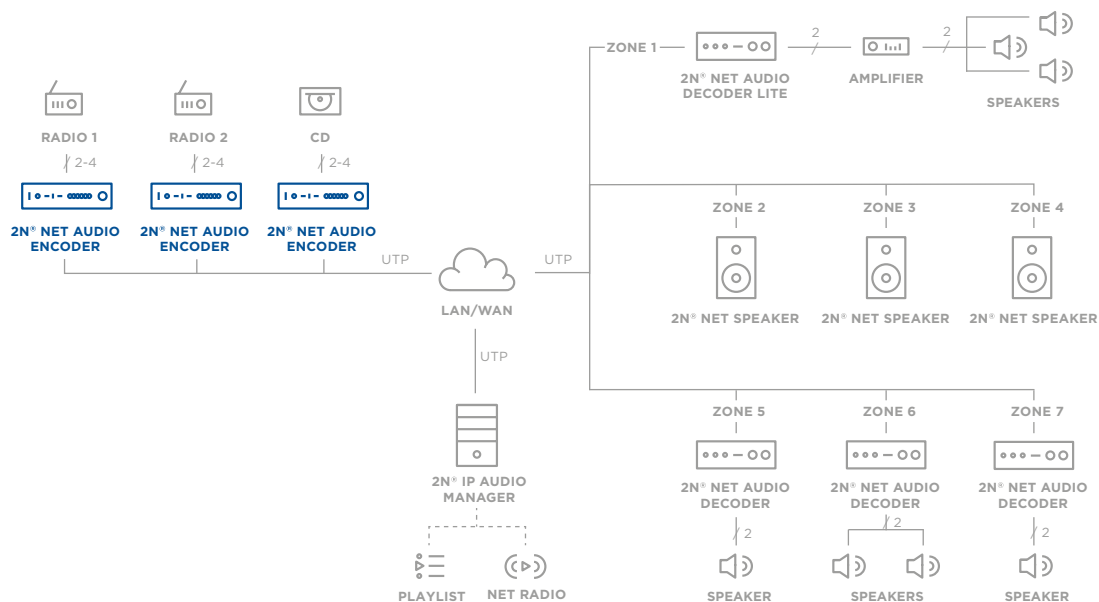
Bulk firmware upgrade
When a new version of the firmware is released you can updating all the devices easily from one place.

Integration to other systems
The encoder can be connected up without any trouble to third-party analogue systems using the XLR port.

DIAGRAM

TECHNICAL PARAMETERS

Audio stream
PCM, 44,100 kHz, 16-bit, Stereo (1650 kbps)

Interfaces

Logical inputs	2, galvanically separated, sensitive to contact or voltage from 5 to 48 V
Relay output	1, galvanically isolated, NO and NC contact, max load 48 V, 1 A
Headphone output	3.5 mm jack, stereo, power output 2x30 mW, min. load impedance of 16 Ohm, DR. 101 dB, THD+N -85 dB
Primary microphone input	symmetric, XLR, integrated phantom power supply 24 V, DR 88 dB, THD+N -82 dB
Headset microphone input	3.5 mm jack, integrated power supply for electret
Line input	3.5 mm jack, mono or stereo non-symmetric stereo, DR 93 dB, THD+N -82 dB

Power supply
12 to 32 V, power draw max. 1 A
PoE to 802.3af standard

Dimensions and weight
Dimensions   220 x 45 x 140 mm

Operating temperature
Temperature range 0-40°C

Operating humidity
10-95% (non-condensing)

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

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