



2N[®] NetSpeaker

IP Audio System



User Manuals

Version 1.5

www.2n.cz

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User Manuals

This section provides you with basic information on the **2N[®] NetSpeaker** system and use of such user applications as the **2N[®] NetSpeaker Console** and **2N[®] NetSpeaker Virtual Sound Card**.

Here is what you can find in this section:

- [Console Application](#)
- [Virtual Sound Card Application](#)

Console Application

What you should know

- The **Console** application helps you send audio from a microphone or play files.
- **2N® NetSpeaker** system recognises 3 levels of rights managed by the system administrator.
- **CAUTION:** Freeride is the highest priority user role and shall be preferred in all zones.

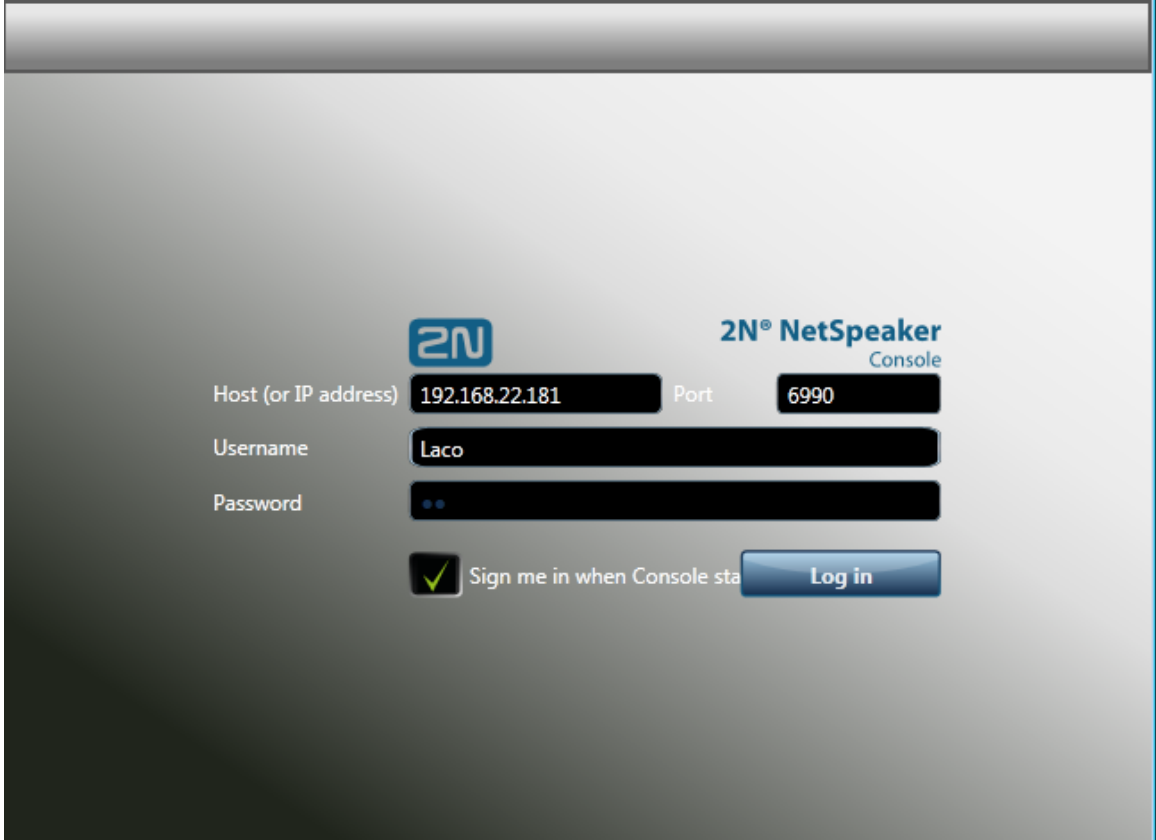
The Console program is used for broadcasting to predefined sessions or inputs for **2N® NetSpeaker** users. It is primarily designed for broadcasting audio from your **microphone** or music in the mp3 format.

Connection and Setting

The login screen is displayed upon the **Console** start. Create the user name and password using the **Control Panel** program or ask your system administrator to create and assign the rights to you.

Enter the username and password into the dedicated fields in the Console window upon start. Moreover, configure the correct host name or IP address for login. Click on the setting pictogram in the program header, see the figure below, and then on **Server settings** to get into configuration.

Use the **Language settings** to modify the application language.



The screenshot shows the login interface for the 2N NetSpeaker Console. The interface is dark-themed with a light gray header. In the top right corner, the 2N logo and the text "2N® NetSpeaker Console" are displayed. Below the header, there are four input fields: "Host (or IP address)" with the value "192.168.22.181", "Port" with the value "6990", "Username" with the value "Laco", and "Password" with two dots. Below the password field, there is a checked checkbox labeled "Sign me in when Console sta" and a blue "Log in" button.

Figure: Login via Console

Having set all the necessary parameters and entered your username and password, log in. If your login is successful, you get to the **Console** screen to select your role.

User Roles

This screen helps you select a role after login to the **Console** program. The figure below shows the window for a user with all roles. Refer to other parts of the manual for role details.

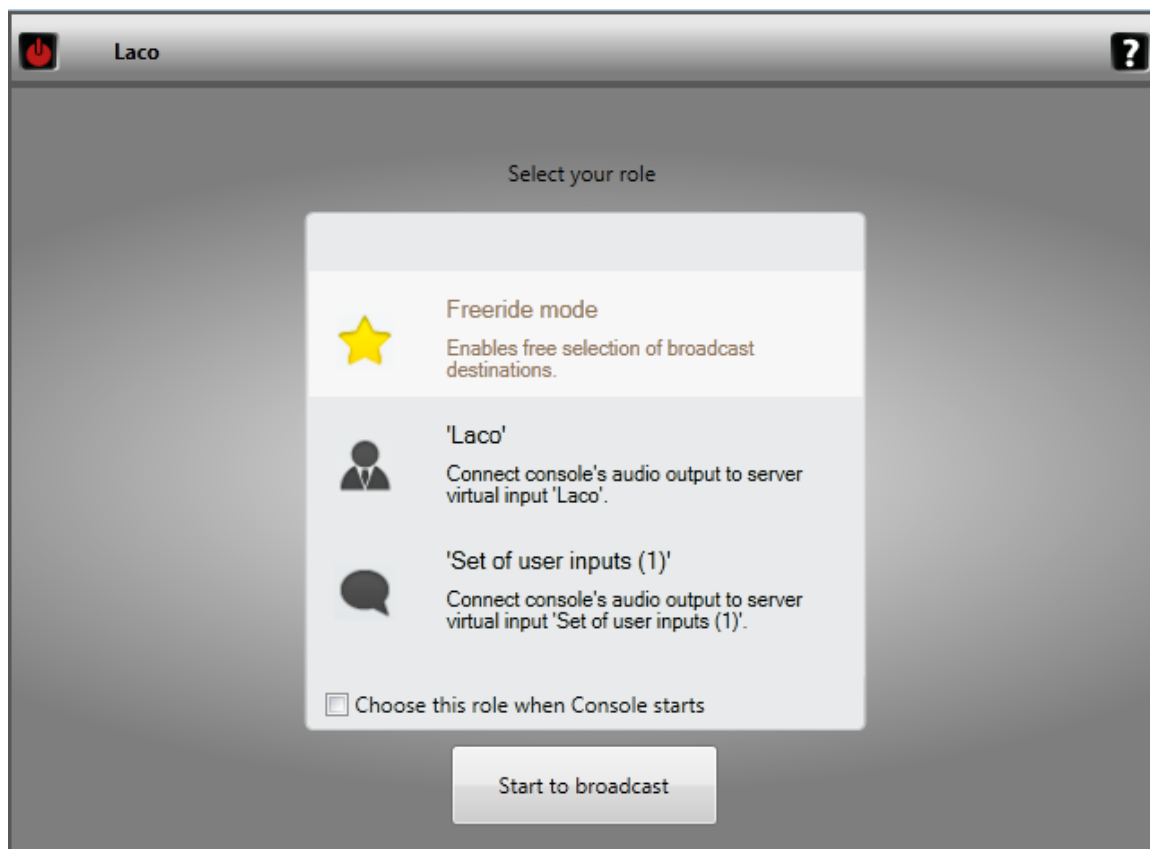


Figure: Console Roles

When you have selected a role, the screen will display the selected role, but the appearance is similar in all cases. New pictograms and the role name get displayed in the application header. To change the role, use the **"figure"** symbol, which returns you to the **role selecting window**. The **"power off"** pictogram is used for **logout** from the **Console** application.

General Console Control

Primarily, the Console is designed for broadcasting sounds **via a microphone** or audio/music in the .mp3 format. The left section with the microphone picture controls the microphone and the middle section – List of sounds – helps play audio files. Click the Add button to add a sound to the application. The right-hand section is used for input check and control. Refer to the figure below for the **Console** program control.



Figure: View of Console Control

Output – there are different outputs for different roles.

List of sounds – or list of audio/music sources in files. Click **Add** and select the required file. Play this file using the **Play** button.

Microphone – the left window section controls the hardware microphone of the PC where Console is running.

- **TALK button** – used for microphone activation. Upon activation, the ON AIR sign goes on and the button changes into **MUTE**. You can broadcast even during audio playing from a file.
- **AUTOMUTE button** – used for enabling the "Automatic microphone activation" function. When you press the button, the **Automute** sign goes on. Let us **give an example**: The "College radio" broadcasts a few songs every evening and the presenter announces every song. In this case, the presenter selects a song from the file at the beginning of broadcasting. He or she selects **Automute** and can talk when the song is over – **Automatic microphone activation**. When the Play button is pushed for another song, the microphone is **automatically deactivated** and the listeners do not hear the studio noise.

You can enable **Listening in** in the Console application too. To do so, push the **ON** button to the right of the lower screen. Listening in is used for activation of local listening

to played files or microphone sound. Select the device to listen in via the **Setting icon** in the right-hand upper corner.

Settings

Settings allows you to select the application language, set the microphone and device for listening in. Also, you can define the sound path delay to increase the audio transmission quality.

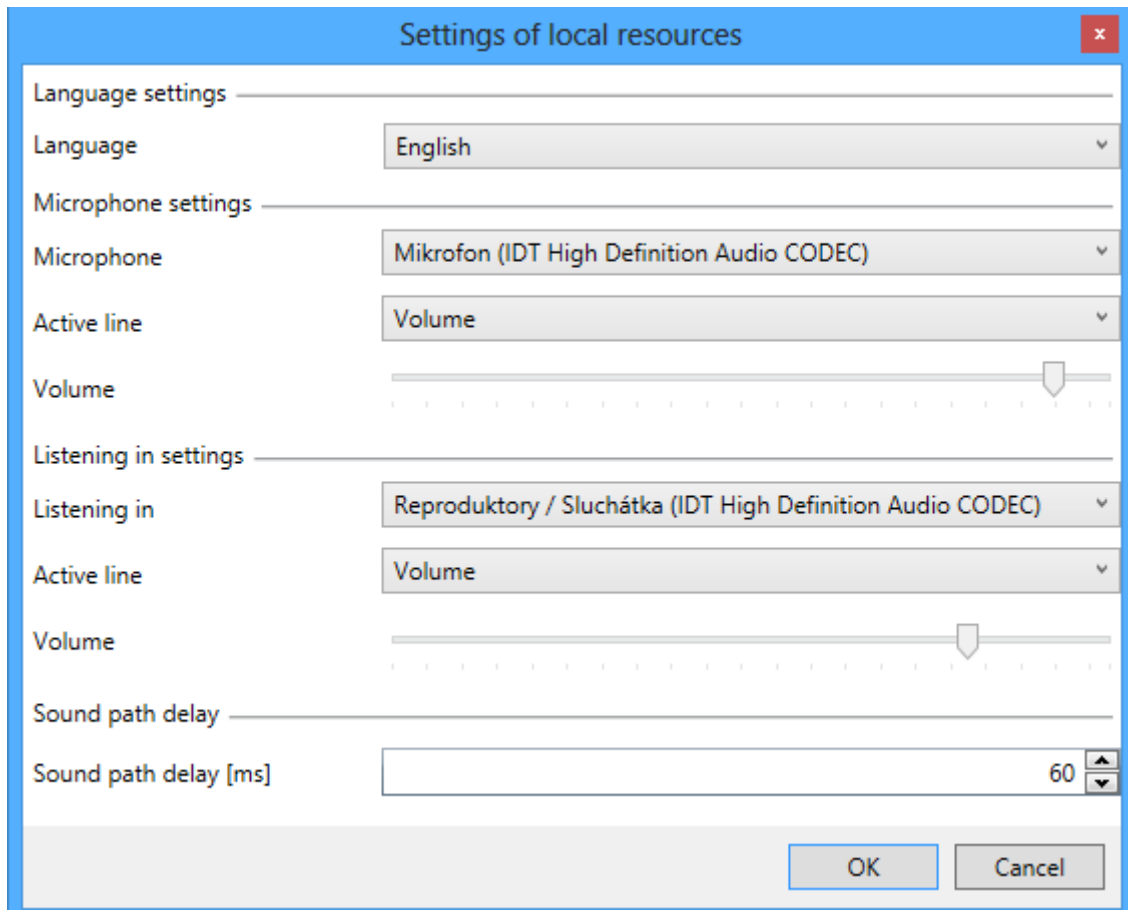


Figure: Console Settings

Freeride Mode Broadcasting

The Freeride user is assigned the highest user rights and can thus broadcast and play with the highest priority. This user selects the destination itself by ticking off the **2N[®] NetSpeaker** units in the **List of speakers/zones**. Refer to the figure below.



Figure: Freeride Role

Broadcast as User

Logged in as a user, you cannot choose where to broadcast. Your user role authorises you to broadcast to sessions to which you are assigned as a user input. Contact your system administrator for more information.

Broadcast as Set of User Inputs

Logged in as a set of user inputs, you cannot choose where to broadcast. Your user role authorises you to broadcast to sessions which contain the set of user inputs assigned to you. Contact your system administrator for more information details on the roles.

Virtual Sound Card Application

i What you should know

- The **2N® NetSpeaker Virtual Sound Card** application and **2N® NetSpeaker Server** are the minimum requirements for streaming audio to the **2N® NetSpeaker** systems in households and/or small restaurants.
- The **2N® NetSpeaker Virtual Sound Card** also plays Windows system sounds by default. It should be disabled in the Windows Control Panel -> Sound -> Change System Sound by choosing "No sound".

The **2N® NetSpeaker Virtual Sound Card** helps you play audio files and playlists in a simple and comfortable manner. The application uses the existing audio applications (iTunes, Windows Media Player, Winamp) to stream the currently playing audio into **2N® NetSpeaker**.

When the application is launched, an icon gets displayed in the notification area and you can choose **Login** to log in. The network administrator assigns you a username or you can set a username of your choice via the Configuration wizard, which starts after the **2N® NetSpeaker Server** installation. Refer to the [2N® NetSpeaker Quick Start Manual](#).

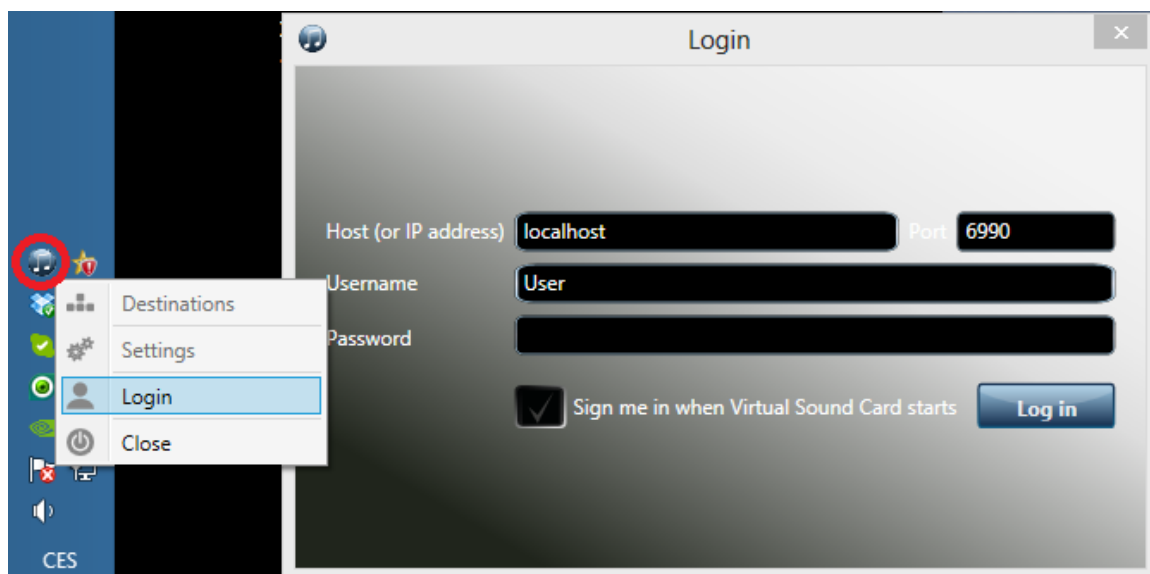


Figure: Virtual Sound Card Application

The next step is to select the destination for the currently playing music/sounds. Use the right mouse button to retrieve the menu over the Virtual Sound Card icon in the notification area; see the figure below.

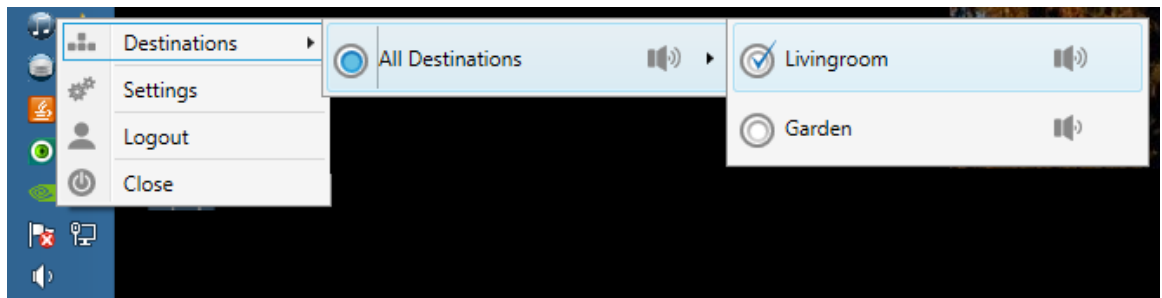


Figure: 2N® NetSpeaker Selection

Settings

Settings allows you to select the application language, set volume and select the "Active playback" device for copying the audio stream to **2N® NetSpeaker**. Also, you can define the sound path delay to increase the audio transmission quality.

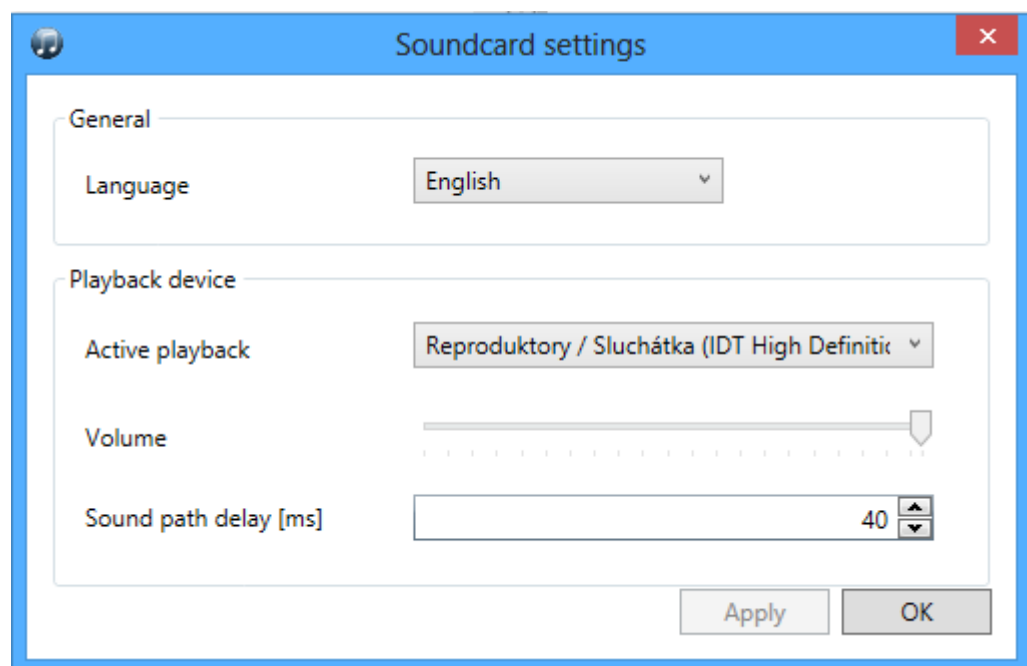


Figure: 2N® NetSpeaker Virtual Sound Card Settings