

## 2N Integration

This application note will guide you through setting up the 2N door station with Basalte Studio and Ellie.

### 1. Ellie

For the door station to be able to connect to Ellie, Ellie will need a fixed ip.

Pres the “...” button on top of the Ellie screen, go to “settings” → “network” and set the Ellie to a static IP.

### 2. Setting up 2N

Connect the 2N door station to a PoE Power supply and let it boot up (LED feedback beneath the camera will confirm the device is powered up).

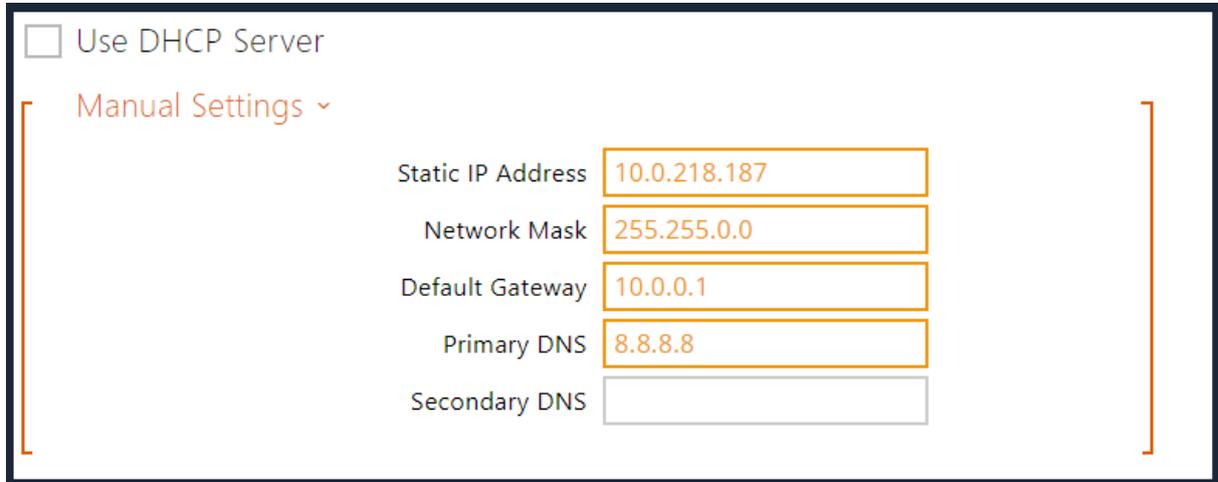
Once powered up, use software like “advanced IP scanner” to discover the DHCP IP-address the device received and open that IP address in your browser.

Login with the default username and password for the 2N door station device. After authentication, following page is displayed:



## 2.1 Set 2N to fixed IP

Click the orange “System” tile on the bottom of the screen to open up the network interface. Uncheck “Use DHCP Server” and select an available IP address for the door station to use.



Use DHCP Server

Manual Settings ▾

Static IP Address	10.0.218.187
Network Mask	255.255.0.0
Default Gateway	10.0.0.1
Primary DNS	8.8.8.8
Secondary DNS	

Click save to save the preferences.

## 2.2 Create a user for the door phone calls

Click on the “Directory” tile on the home screen of the 2N door station device. Click the add user button on the top left of the screen.



Name      ▲ E-Mail ▼      Accesses

Under “User Basic Information” fill in a Name. This name is never displayed, it is only used to connect in the backend.

Under “User Phone Numbers” fill in the fixed IP of Ellie with SIP: as prefix.

← Back to List

User Basic Information ▾

Name

E-Mail

Virtual Number

User Phone Numbers ▾

Number 1

Phone Number

Time Profile  [not used]

2N® IP Eye Address

Group call to next number

Save the preferences on the bottom of the page.

## 2.3 Configure the phone number ID

Click on the “Services” tile on the home screen of the 2N door station device.

Under the “Intercom Identity” section fill in the “Phone number (ID), e.g. “frontdoor”.

Intercom Identity ▾

Display Name

Phone Number (ID)

Domain

Save the preferences on the bottom of the page.

## 3. Optional – DTMF

Click on the “Hardware” tile on the home screen of the 2N door station device.

Save the preferences on the bottom of the page.

## 3.1 Configure the door unlock relay

### 3.1.1 Switch

Click the “Switch” menu and check “Switch Enabled”

Fill in the basic settings and click “Test the switch” button.

Fill in the code under “Activation Codes” (must be numeric, this one will have to be entered in Studio)

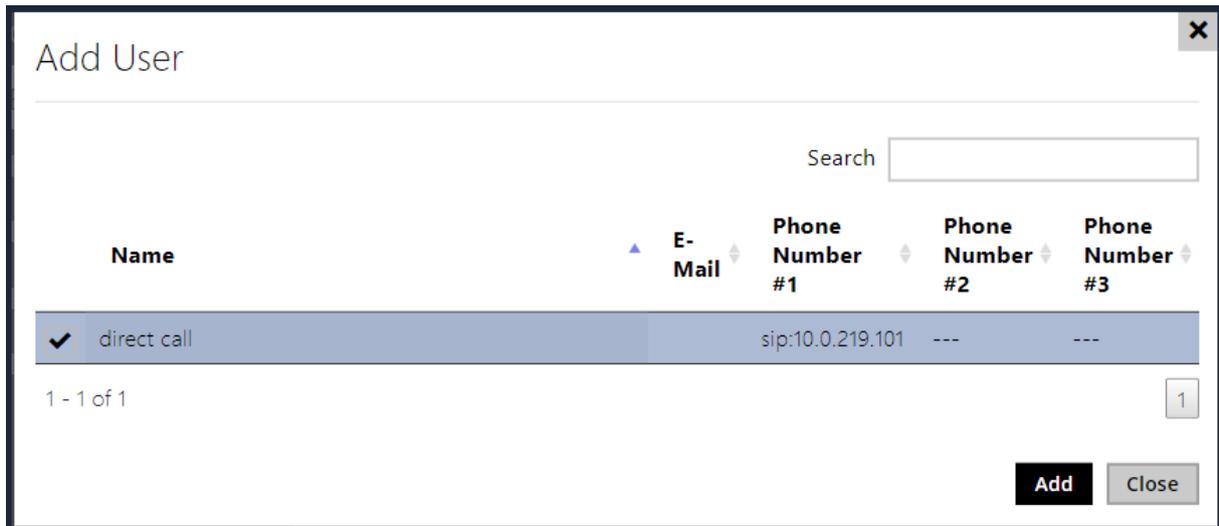
The screenshot shows the configuration interface for a switch. At the top, there is a checked checkbox labeled "Switch Enabled". Below this is a section titled "Basic Settings" with a dropdown arrow. It contains several fields: "Switch Mode" is a dropdown menu set to "Monostable"; "Switch-On Duration" is a text input field containing "5" with "[s]" to its right; "Controlled Output" is a dropdown menu set to "Relay 1"; "Output Type" is a dropdown menu set to "Normal"; and "Time Profile" is a radio button selection with "[not used]" selected, a dropdown arrow, and a calendar icon. Below these fields is a "Test the switch" button. At the bottom, there is a section titled "Activation Codes" with a dropdown arrow. It contains a table with three columns: "CODE", "ACCESSIBILITY", and "TIME PROFILE". The first row has the code "1", the code "12346" in a text input field, "DTMF only" in a dropdown menu, and a radio button selection with "[not used]" selected, a dropdown arrow, and a calendar icon.

### 3.1.2 Buttons

After configuring the switch, we need to add the button so we can unlock the door with Ellie.

Under “Quick Dial Buttons” select the “+” and select the previously created user and click “Add”

The screenshot shows the "Quick Dial Buttons" configuration interface. It has a section titled "Main Unit Buttons" with a dropdown arrow. Below this is a table with one row. The first column contains the number "1". The second column is a text input field containing "No User". To the right of the input field are two buttons: a "+" button and a phone handset icon.



The user direct call is now added to the main Unit Buttons.

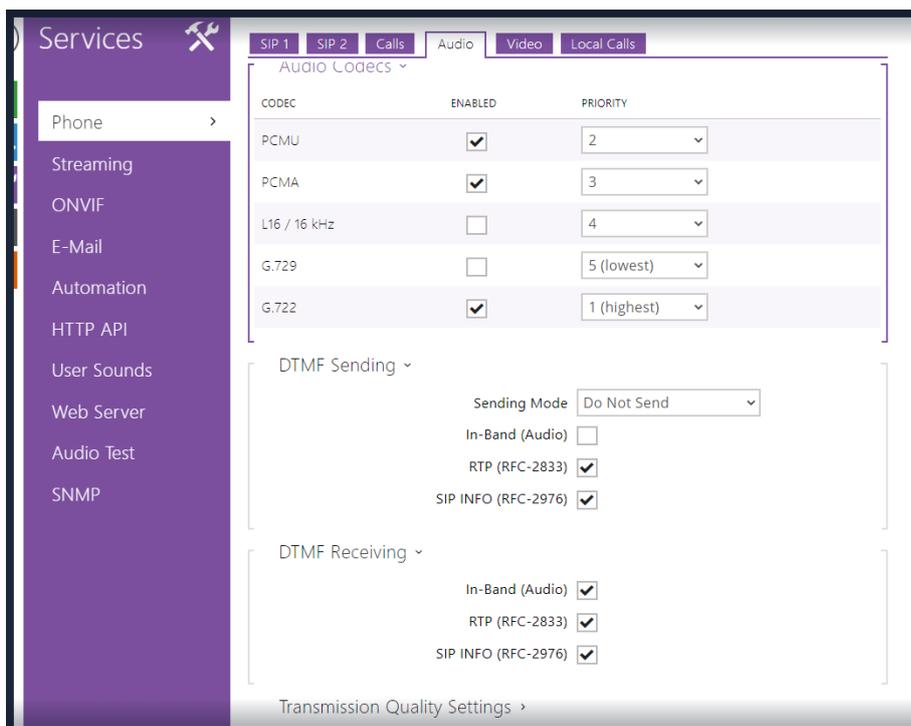
Save the preferences on the bottom of the page.

### 3.2 DTMF audio

Click on the “Services” tile on the home screen of the 2N door station device.

Click on “Phone” in the left column and select the “Audio” tab.

Enable the SIP INFO (RFC-2976) DTMF Sending option.



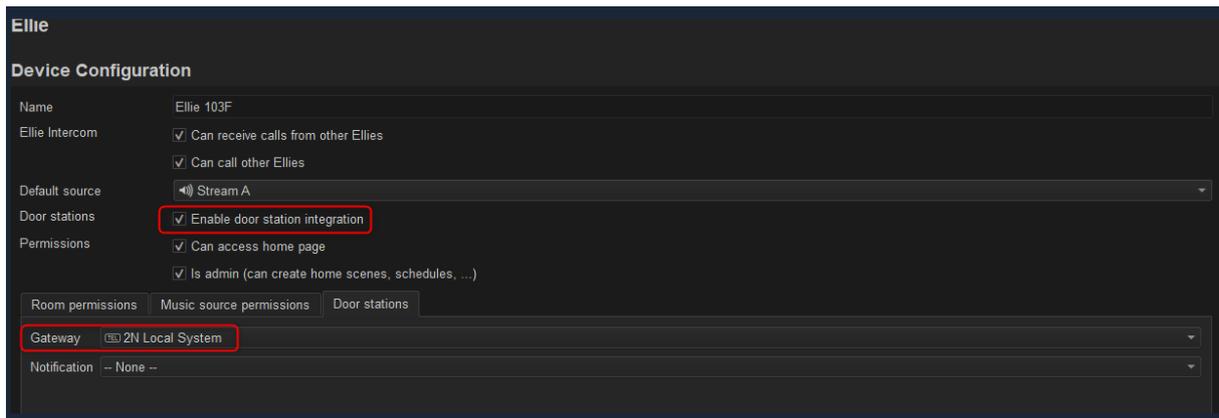
Save the preferences on the bottom of the page.

## 4. Setting up Basalte Studio

The 2N Door Station does not have a gateway. In the Ellie door station tab, select the (dummy) 2N Local system.

Click on Ellie and check “Enable door station integration”

Select the “2N Local System” under “Gateway”



Link a “Notification” if desired.

Drag and drop a 2N Door Station into the project.

	<p><b>Remark</b></p> <p>As we are using a dummy 2N local system without gateway, it is not necessary to import the ‘2N gateway’ in the project.</p>
--	---

Fill in the Phone Number ID configured in the 2N door station device.

Intercom Identity ▾

Display Name

Phone Number (ID)

Domain

If you added the optional DTMF command, fill in the chosen code.

Switch Enabled

Basic Settings ▾

Switch Mode

Switch-On Duration  [s]

Controlled Output

Output Type

Time Profile  [not used]

Activation Codes ▾

	CODE	ACCESSIBILITY	TIME PROFILE
1	<input type="text" value="12346"/>	<input type="text" value="DTMF only"/>	<input checked="" type="radio"/> [not used] <input type="radio"/>

### 2N Door Station

#### Device Configuration

Name

Gateway

Direct Dial

Extra cameras

Release door using DTMF command