



Dial Plan Feature On SNR-VP-5x

Content

<i>Overview</i>	3
<i>Replace Rule</i>	4
<i>Samples of replace rule</i>	5
<i>Dial now</i>	6
<i>Samples of dial now rule</i>	7
<i>Delay Time for Dial now Rule</i>	8
<i>Area Code</i>	9

Overview

A Dial Plan is a specially crafted text string, or script, that specifies how to interpret digit sequences as dialed by the VoIP user and how to convert those digit sequences into an outbound dial string to be used by your VoIP service provider (VSP) for call routing and termination.

Regular expression can be used to define IP phone dial plan. Dial plan is a string of characters that governs the way for IP phones to process the inputs received from the IP phone's keypads. IP phones support the following dial plan features:

- Replace Rule
- Dial now
- Area Code

*this article is based on V5 version or higher version firmware, it can achieve whatever the customer requires on dial plan feature

Replace Rule

Replace rule is an alternative string that replaces the numbers entered by the user.
As shown in below figure:

The screenshot displays the SNR web user interface for the 'Dial Plan' configuration. On the left is a navigation menu with options: Status, Account, Network, Phone (expanded), Time/Lang, Preference, Call Feature, Voice, Key/Display, Ringtones, Tones, **Dial Plan**, Action URL, and Multicast. The main content area is titled 'Dial Plan' and contains a 'Rules' table with columns: Index, Account, Prefix, Replace, and a checkbox. A dropdown menu labeled 'Replace Rule' is positioned above the table. Below the table are 'Add', 'Edit', and 'Delete' buttons. The 'Add' button is highlighted with a red box. Below the table is the 'Area Code' section with fields for Code, Min Length (1, range 1~15), Max Length (1, range 1~15), and Account (Auto dropdown). 'Submit' and 'Cancel' buttons are at the bottom.

To create a replace rule via web user interface:

1. Click on **Phone > Dial Plan**
2. On **Rules**, select **Replace Rule**
3. Click on **Add**
4. On **Rules Modify**, select the desired account from the pull-down list of **Account**
5. Enter the string in the **Prefix** field
6. Enter the string in the **Replace** field
7. Click on **Submit** to accept the change

Samples of replace rule

SNR IP phones can support many replace rules, which can be created either one number by one number or in batch numbers using a replace rule template.

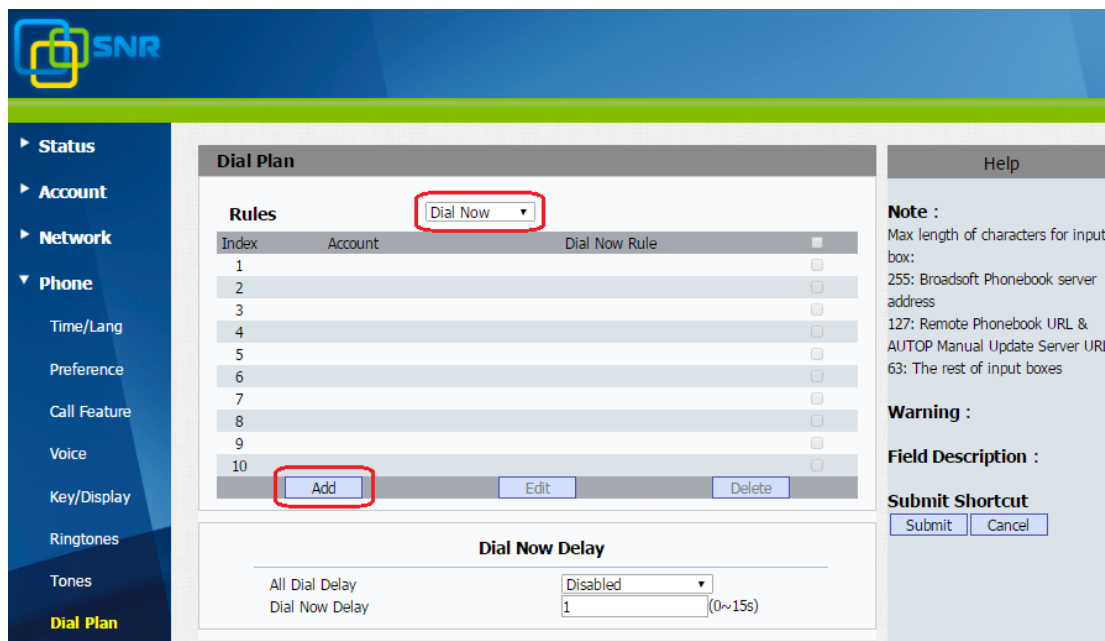
Dial Plan				
Rules				
Index	Account	Prefix	Replace	
1	Auto	1234	5678	<input type="checkbox"/>
2	Auto	xxx	5xxx	<input type="checkbox"/>
3	Auto	05xxxxxx	006xxxxxx	<input type="checkbox"/>
4				<input type="checkbox"/>
5				<input type="checkbox"/>
6				<input type="checkbox"/>
7				<input type="checkbox"/>
8				<input type="checkbox"/>
9				<input type="checkbox"/>
10				<input type="checkbox"/>

For Example:

1. If you need to replace a single number with a new number for any account, see below rule 1;
2. If you need to add a prefix digit before the number you dial for any account, see below rule 2, in rule 2, any three digits number ("x" stands for any one digit) you dial will be added a prefix digit 5;
3. If you need to replace numbers start with 05 to 006 for any account, see below rule 3, in rule 3, any eight digits numbers start with 05 will be changed to night digits numbers start with 006.

Dial now

Dial-now is a rule used to match numbers input by the user. When the input numbers match the predefined dial-now rule, SNR IP phones will dial out the numbers automatically without pressing the send key “#”. As shown in below figure:



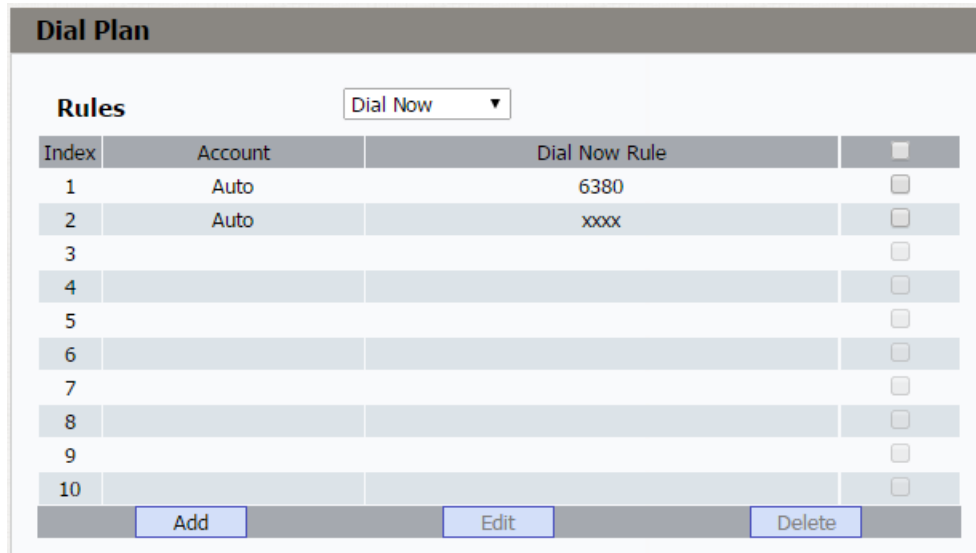
The screenshot displays the SNR web user interface for configuring a Dial Plan. The left sidebar shows navigation options: Status, Account, Network, Phone (Time/Lang, Preference, Call Feature, Voice, Key/Display, Ringtones, Tones), and Dial Plan (highlighted). The main content area is titled 'Dial Plan' and contains a 'Rules' dropdown menu set to 'Dial Now'. Below this is a table with columns 'Index', 'Account', and 'Dial Now Rule', and checkboxes for each row (1-10). The 'Add' button is highlighted. Below the table is the 'Dial Now Delay' section, which includes a dropdown for 'All Dial Delay' (set to 'Disabled') and a text input for 'Dial Now Delay' (set to '1') with a '(0~15s)' range indicator. On the right, there is a 'Help' section with a 'Note' (Max length of characters for input box: 255; Broadsoft Phonebook server address; 127: Remote Phonebook URL & AUTOP Manual Update Server URL; 63: The rest of input boxes), a 'Warning', a 'Field Description', and a 'Submit Shortcut' section with 'Submit' and 'Cancel' buttons.

To create a dial-now rule via web user interface:

1. Click on **Phone > Dial Plan**
2. On **Rules**, select **Dial Now**
3. Click on **Add**
4. On **Dial Now Delay**, enter the desired value (0~15s)
5. On **Rules Modify**, select the desired account from the pull-down list of **Account**
6. Enter the string in the **Dial Now Rule** field
7. Click on **Submit** to accept the change

Samples of dial now rule

SNR IP phones can support many dial now rules, which can be created either one number by one number or in batch numbers using a dial now rule template.



The screenshot shows a web interface titled "Dial Plan". Under the "Rules" section, there is a dropdown menu set to "Dial Now". Below this is a table with four columns: "Index", "Account", "Dial Now Rule", and a checkbox. The table contains 10 rows. Row 1 has "1" in the Index, "Auto" in the Account, and "6380" in the Dial Now Rule. Row 2 has "2" in the Index, "Auto" in the Account, and "xxxx" in the Dial Now Rule. Rows 3 through 10 are empty. At the bottom of the table are three buttons: "Add", "Edit", and "Delete".

Index	Account	Dial Now Rule	
1	Auto	6380	<input type="checkbox"/>
2	Auto	xxxx	<input type="checkbox"/>
3			<input type="checkbox"/>
4			<input type="checkbox"/>
5			<input type="checkbox"/>
6			<input type="checkbox"/>
7			<input type="checkbox"/>
8			<input type="checkbox"/>
9			<input type="checkbox"/>
10			<input type="checkbox"/>

For Example:

1. If you need to set a single number to dial out automatically without pressing the send key for any account, see below rule 1;
2. If you need to set one kind of numbers with the same digits to dial out automatically without pressing the send key for any account, see below rule 2, in rule 2, any four digits number ("x" stands for any one digit) you input will be dialed out automatically without pressing the send key;

Delay Time for Dial now Rule

SNR IP phones will dial out the input number automatically after a specified period of time, while the input number matches the dial-now rule.

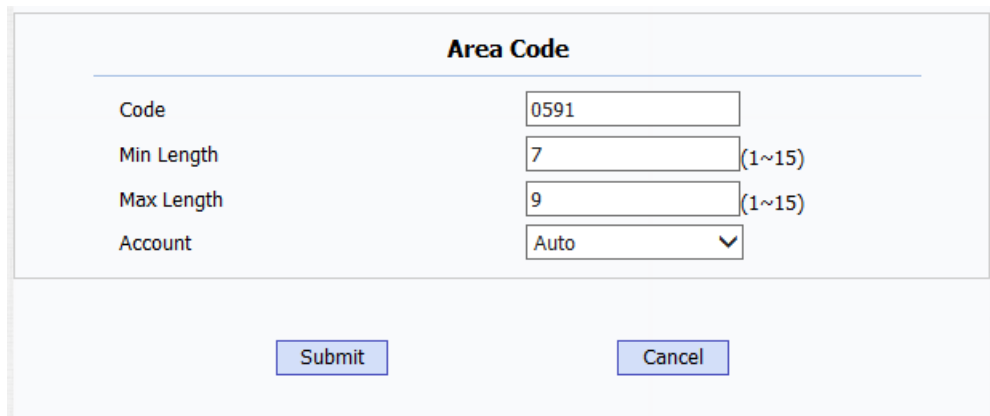
Dial Now Delay	
All Dial Delay	<input type="text" value="Enabled"/>
Dial Now Delay	<input type="text" value="5"/> (0~15s)

Note:

1. If the parameter “All Dial Delay” is enabled, all the number you input will be dialed out automatically without pressing the send key;
2. The parameter “Dial Now Delay” is the specified period of time you set for the dial now delay.

Area Code

Area codes are also known as Numbering Plan Areas (NPAs). They usually indicate geographical areas in one country. When entered numbers match the predefined area code rule, the IP phone will automatically add the area code before the numbers when dialing out them. IP phones only support one area code rule.



The screenshot shows a web user interface for configuring an area code rule. The title is "Area Code". Below the title, there are four input fields:

Code	<input type="text" value="0591"/>
Min Length	<input type="text" value="7"/> (1~15)
Max Length	<input type="text" value="9"/> (1~15)
Account	<input type="text" value="Auto"/> ▼

At the bottom of the form, there are two buttons: "Submit" and "Cancel".

To configure an area code rule via web user interface:

1. Click on **Phone > Dial Plan**
2. On **Area Code**, enter the desired code in the **Code** field
3. Enter the desired min length (1~15) in **Min length** field; //set the shortest length of the number which can be dialed out//
4. Enter the desired max length (1~15) in **Max length** field; //set the longest length of the number which can be dialed out//
5. Select the desired account from the pull-down list of **Account**
6. Click on **Submit** to submit the change