

## SATELLAR CU Settings Wizard

The Setting Wizard can be used to create a small and simple network. To create a larger network an external tool like Netco should be used.

The main view looks like this:

### Common Settings



RX Frequency	<input type="text" value="444.00000"/>	MHz
TX Frequency	<input type="text" value="444.00000"/>	MHz
Over-the-Air Encryption	<input type="button" value="OFF"/>	
Forward Error Correction	<input type="button" value="OFF"/>	
Channel Spacing	<input type="button" value="25.00 kHz"/>	
Modulation	<input type="button" value="16-FSK"/>	
Network Topology	<input type="button" value="Point-to-point"/>	
Retransmissions	<input type="button" value="OFF"/>	

### Network

Network type:

LAN mode:

Master type:

Master Device	Repeaters	Substations
<input type="radio"/>  <input type="text" value="192.168.10.1/24"/>	<input type="button" value="0"/>	<input type="radio"/>  <input type="text" value="192.168.2.1/24"/>

### Save Settings

Settings:

The page is divided into three sections: Common Settings, Network and Save Settings.

Common Settings lists some basic radio parameters that need to be the same in each device in order for the network to work. The Network section allows the user to create a network topology and show where the current device exists in the network. The last section allows the user to store the settings, as well as take them into use.

## Example: Creating a simple network

This example shows how to create a simple network with one master and two substations.

Step 1: Set all the Common Settings to correct values, for example the following:

### Common Settings

RX Frequency	<input type="text" value="441.00000"/>	MHz
TX Frequency	<input type="text" value="441.00000"/>	MHz
Over-the-Air Encryption	<input type="button" value="OFF"/>	
Forward Error Correction	<input type="button" value="OFF"/>	
Channel Spacing	<input type="button" value="25.00 kHz"/>	
Modulation	<input type="button" value="16-FSK"/>	
Network Topology	<input type="button" value="Point-to-point"/>	
Retransmissions	<input type="button" value="ON"/>	




Step 2: Create the network by adding one substation, and set some IP addresses to the devices. Then select the master with the radio button:

### Network

Network type:

LAN mode:

Master type:

Master Device	Repeaters	Substations
<input checked="" type="radio"/>  <input type="text" value="192.168.10.1/24"/>	<input type="button" value="0"/>	<input type="radio"/>  <input type="text" value="192.168.2.1/24"/>
	<input type="button" value="0"/>	<input checked="" type="radio"/>  <input type="text" value="192.168.3.1/24"/>

Step 3: Save the settings to the device by first selecting “Apply Changes” and then “Commit Changes”

Step 4: Wait for NMS Import to finish, and select “Back to Settings Wizard”:

### File imported

```

Importing values...
Setting nms_id 1.257 for 0.0
Setting nms_id 1.256 for 0.0
Setting nms_id 1.428 for 0.0
Setting nms_id 1.1921 for 0.0
Setting nms_id 1.1996 for 0.0
Setting nms_id 1.1997 for 0.0
Setting nms_id 1.430 for 0.0
Setting nms_id 1.2003 for 0.0
Setting nms_id 1.395 for 0.0
Setting nms_id 1.409 for 0.0
Setting nms_id 1.3268 for 1.0
Setting nms_id 1.361 for 0.0
Setting nms_id 1.3524 for 1.0
Setting nms_id 1.398 for 0.0
Clearing array 1.3208
Setting nms_id 1.3208 for 1.0
Setting nms_id 1.3208 for 1.0
Clearing array 1.2304
    
```

Refresh NMS values (recommended)

[Back to Settings Wizard](#)

Note: If the IP address of the device has changed, you need to type the new IP address into the browser address field. You can go directly to the wizard after that, no need to go to the NMS Import page.

Step 5: Select the contents of the text field in the Save Settings section, and copy it to the clipboard:

### Save Settings

Settings:

Step 6: The master is now configured. Connect to the next device (substation 1) and go to the settings wizard. Paste the contents of the clipboard to the Settings field

Step 7: Select “Update View” and the view should update to what you configured in the other device




Step 8: Select the first substation with the radio button:

### Common Settings

RX Frequency  MHz  
 TX Frequency  MHz  
 Over-the-Air Encryption  ▾  
 Forward Error Correction  ▾  
 Channel Spacing  ▾  
 Modulation  ▾  
 Network Topology  ▾  
 Retransmissions  ▾

### Network

Network type:  ▾  
 LAN mode:  ▾

Master Device	Repeaters	Substations
<input checked="" type="radio"/>  192.168.10.1/24	<input type="button" value="0"/> ▾	<input checked="" type="radio"/>  192.168.2.1/24
	<input type="button" value="0"/> ▾	<input type="radio"/>  192.168.3.1/24

Step 9: Commit the changes as with the master: select “Apply Changes” followed by “Commit Changes” and wait for NMS Import to finish

Step 10: Connect to the second substation and apply the settings as in steps 6-9. The only difference is, that the second substation is selected with the radio button.

Step 11: The network is configured!