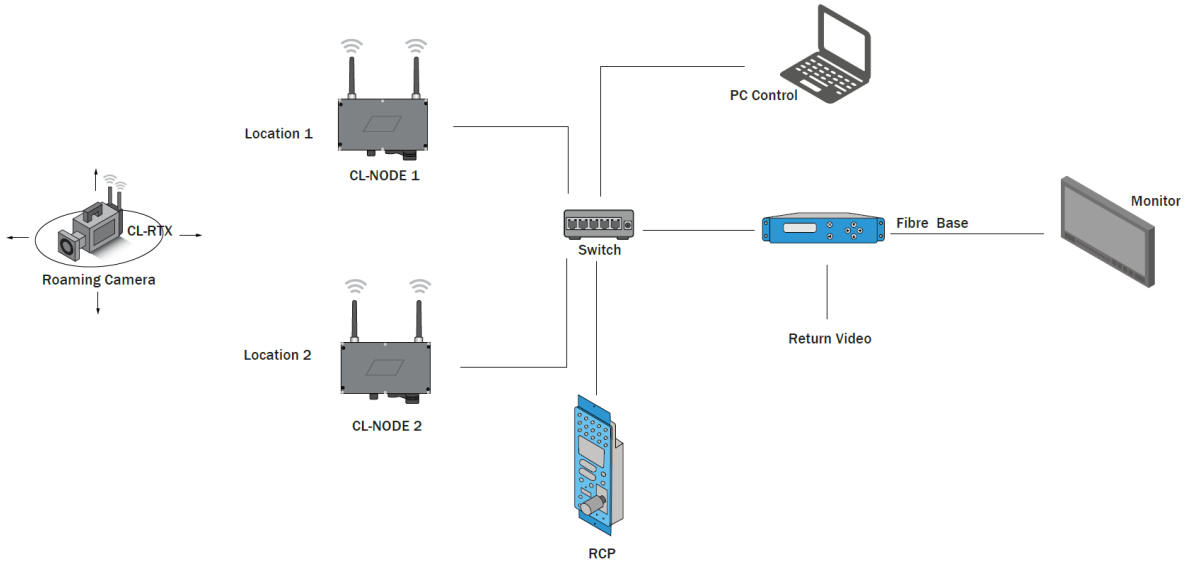
Videosys Broadcast Ltd
Wallage Lane
Rowfant, Crawley
West Sussex, RH10 4NF
Tel: +44 1293 541200

Connected Live

Quick Start Guide

Thank you for your purchase! The kit has been preconfigured as much as possible so that it works out of the box when you receive it. Here is a block diagram of how the units should be connected:



Here is a list of IP addresses that have been preconfigured:

- **CL-Base**
  - Camera Control IP: 192.168.1.230
  - Decoder Source IP: 192.168.1.100
  - Encoder Target IP: 192.168.1.101
- **CL-Node**
  - Radio's IP: 192.168.2.1
- **CL-RTX**
  - Camera Control IP: 192.168.1.250
  - Decoder Source IP: 192.168.1.101
  - Encoder Target IP: 192.168.1.100
  - Radio's IP: 192.168.2.2

For any additional information or help on setting up the system, please contact us on:

- **+44 (0) 1293 541 200**
- **support@videosys.tv**

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Here are some other preconfigured parameters, as well as how you can change them:

Radio's default access code

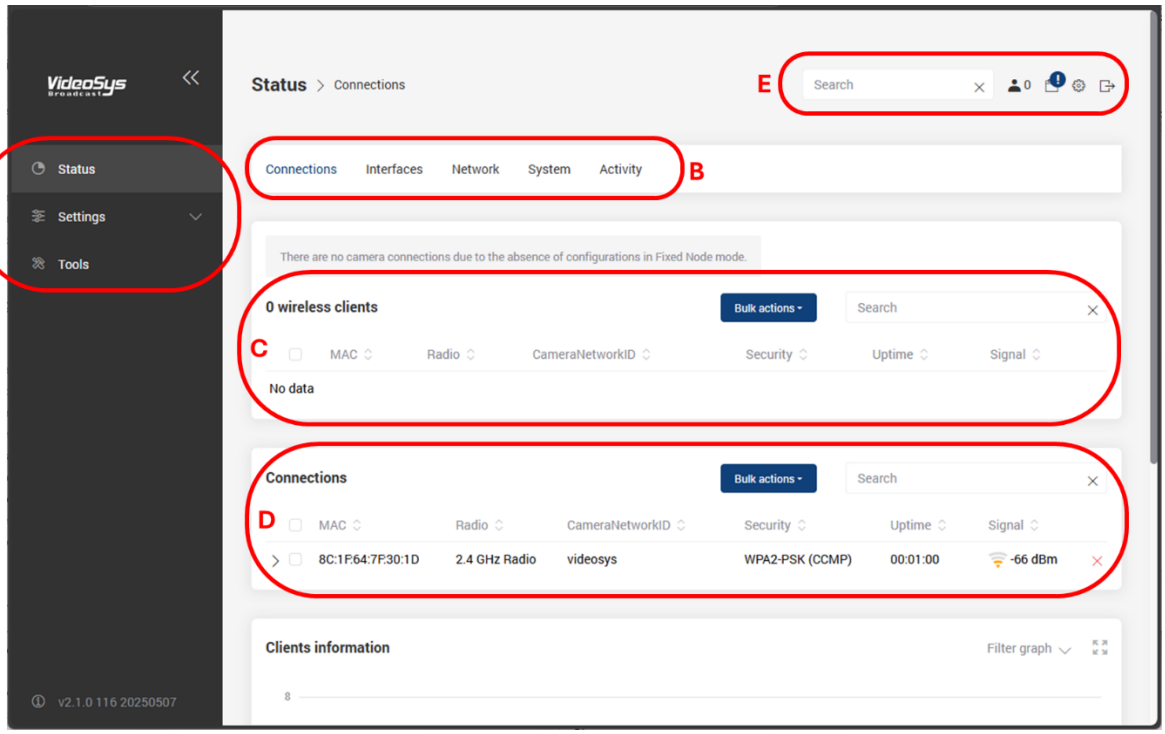
(to access the radios' web interface of the NODE/RTX):

- Username = admin
- Password = admin

You can change the password or create more users via the *Settings* > *Users* page

Radio's Status Page Overview

The status page of each radio will give you information about the connections to each unit and the data rate through each node. Please see the breakout of the page below.



A: Main navigation column

B: Secondary navigation bar

C: List of connected Cameras to a NODE (by default used in CL-NODE units)

D: List of connected Nodes to a CAMERA (by default used in CL-RTX units)

E: Device management tools (from left to right:

Settings search bar > Connected Cameras (if this is a NODE) > Events Log > Device Actions (reboot, recall settings, software updates) > Sign-out

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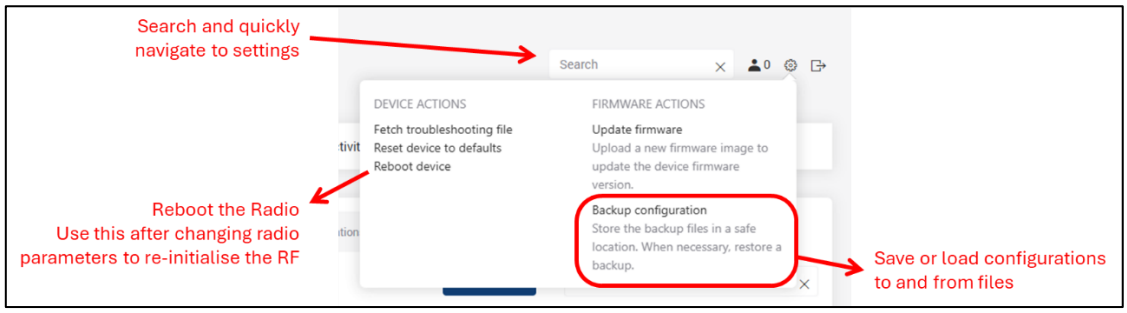

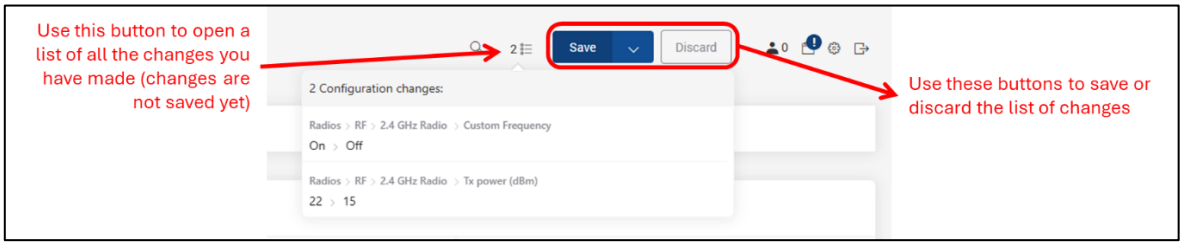

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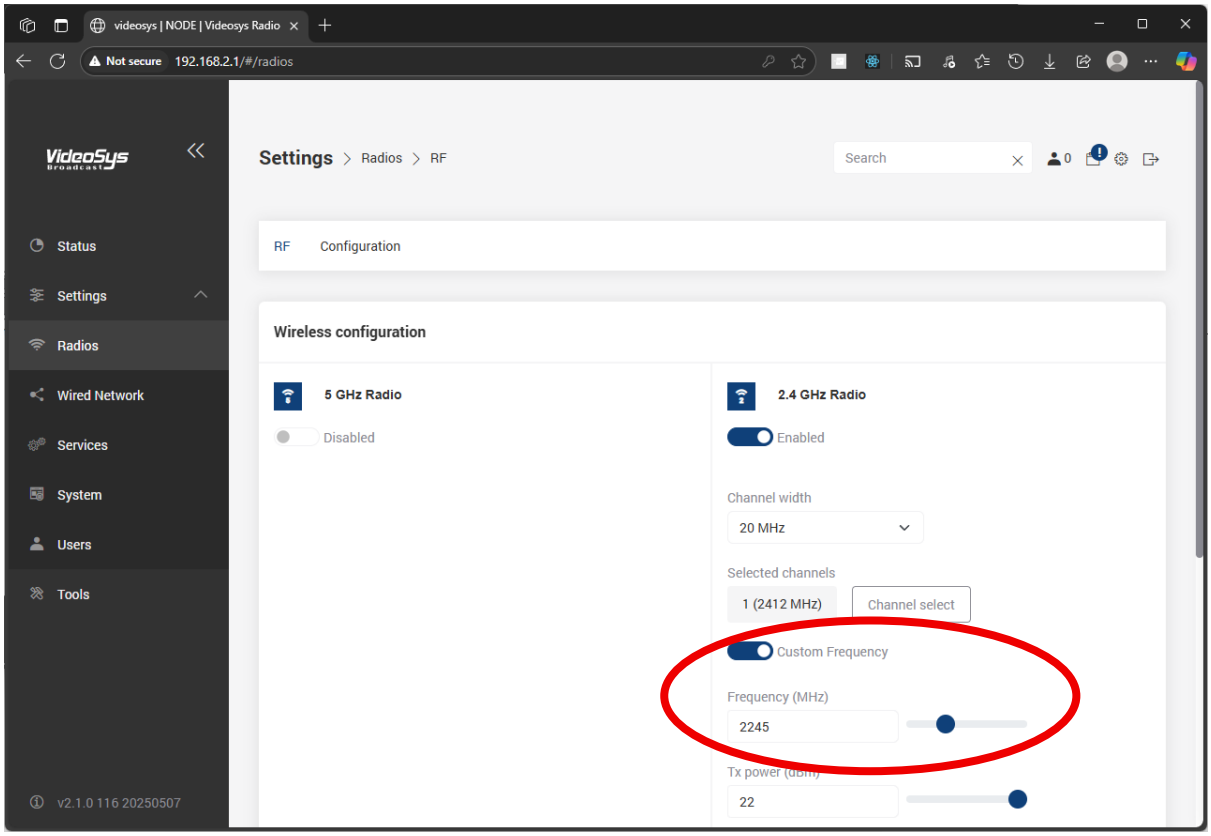
Custom Frequency = 2245 MHz

To change this you need to open the radio's web interface (both on the CL-Node and the CL-RTX units) and navigate to:

Settings > Radios (from the side panel) > RF (from the top navigation bar) >

> "Custom Frequency" & "Frequency (MHz)" setting for each radio used



As you change the frequency the best channel will automatically be selected.

If you want to use licence-free channels, switch off the custom frequency option and select one or more channels via the *"Channel select"* button.

Ensure that the correct operating country is selected under: *Settings* > *System* > *Country* so that the available channels are filtered based on availability in the specified location.

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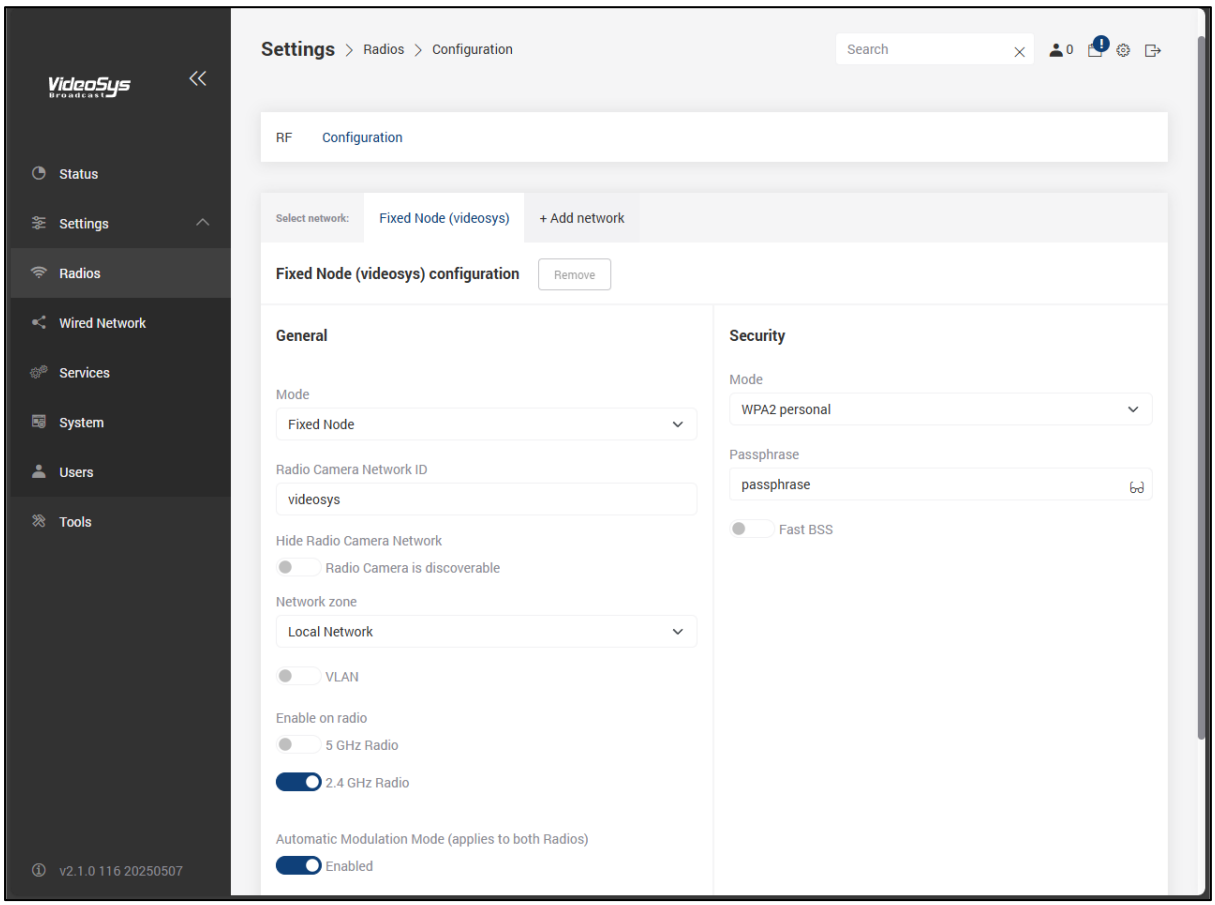
Radio Configuration

Each radio can be configured in either a ***Fixed Node*** or ***Camera Node*** mode:

Fixed Node mode:

This is usually applied on a CL-NODE unit. The device acts as an access point, creating and advertising the wireless camera network (with a unique ID and password defined by the user) and accepts connections from multiple camera nodes. Here is a typical configuration for a Node using the 2.4GHz radio:



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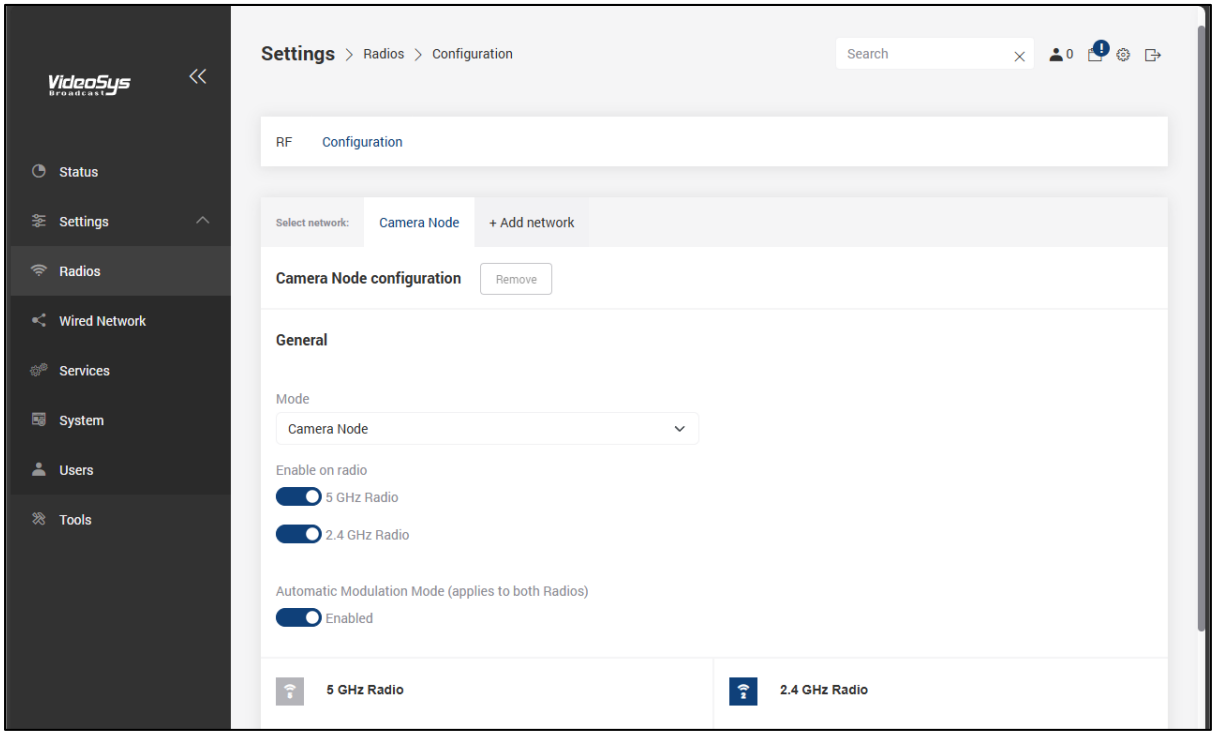
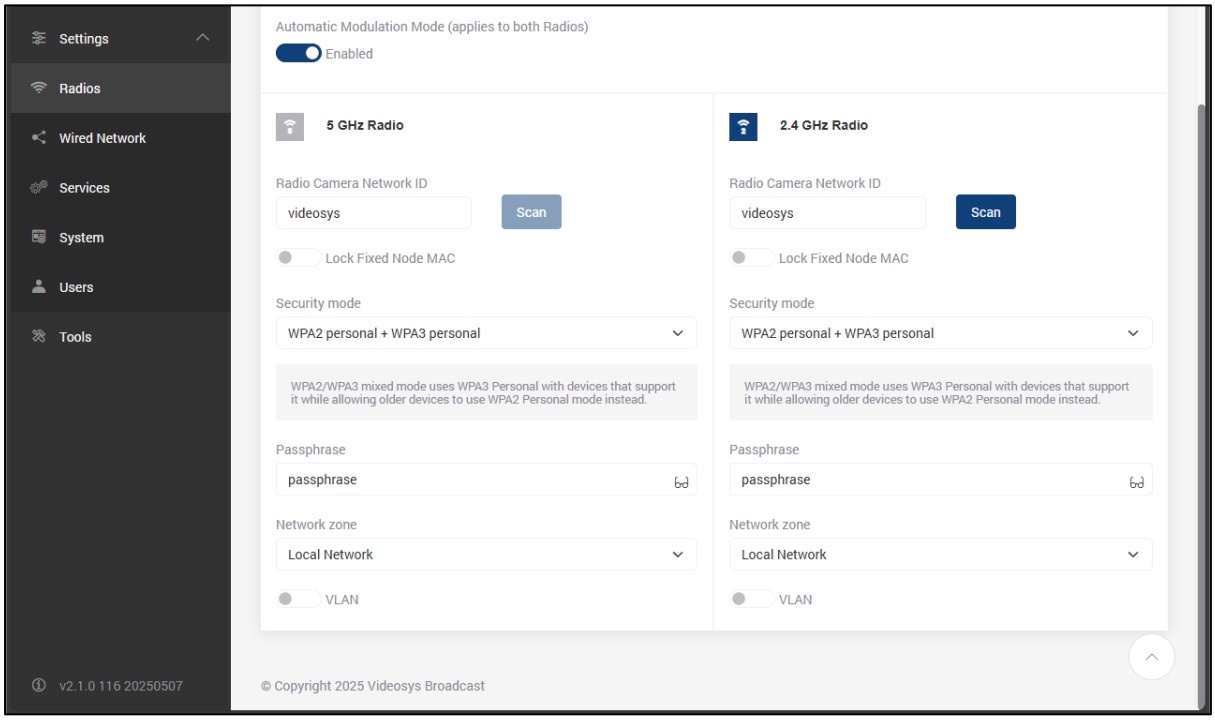
Camera Node mode:

This is usually applied on a CL-RTX unit. The device tries to connect to a single Fixed Node with the unique ID and password provided by the user. Here is a typical configuration for an RTX:





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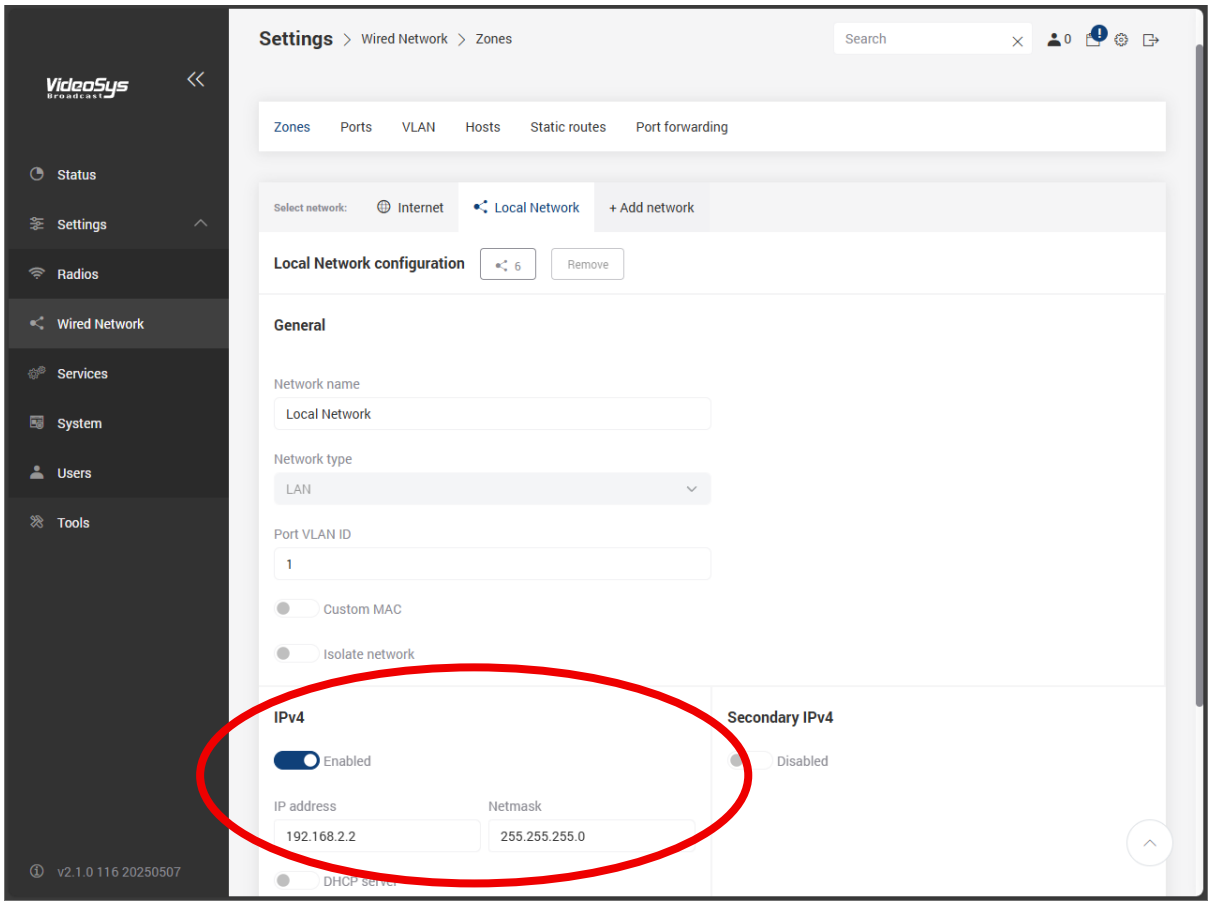
Radio's IP Address

To change each Radio's IP Address navigate to:

Settings > Wired Network > Zones > Local Network

And change the ***IPv4 IP address*** setting:



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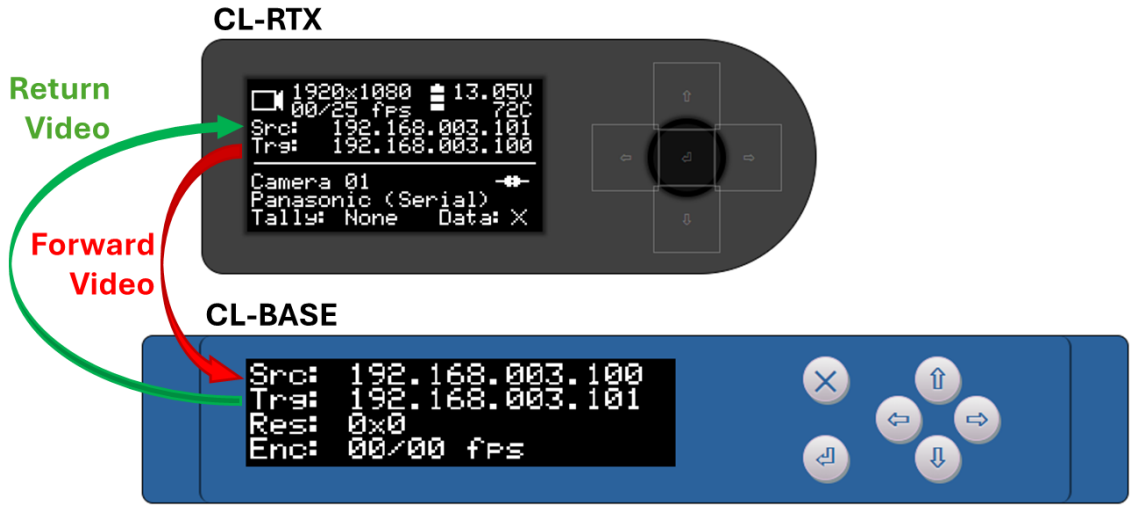
Encoder & Decoder IP Address

Each CL-RTX and CL-BASE unit has an integrated IP encoder and decoder. Each unit has 2 important IP addresses that need to be configured for the video to be streamed successfully:

- **Source IP Address**: This is the decoder's own IP address that is expecting a video stream to decode. This is also the IP address that the encoder's stream will be sent out from.
- **Target IP Address**: This is the target IP of the encoder. The encoded video will be sent to this IP address. If no device on the network has this address, then no packets will be able to leave the encoder and it will stop encoding frames.

Rules of thumb:

- To send video **from a CL-RTX unit to a CL-BASE**, the **CL-RTX Target IP Address** should match the **CL-BASE Source IP Address**.
- To send video **from a CL-BASE unit to a CL-RTX (return video)**, the **CL-BASE Target IP Address** should match the **CL-RTX Source IP Address**.



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Camera Control IP Settings

The camera control network is separate from the stream network and the radio network, which makes the system very versatile for installations that require a high level of segmentation between the different parts of the system.

To change the camera control IP of the CL-BASE navigate to:

Main Menu > Network > System Settings > IP Address

To change the camera control IP of the CL-RTX navigate to:

Main Menu > Controller Network > IP Address

For more camera control settings refer to the following camera control manuals:

- For the CL-RTX side:
  https://videosys.tv/files/Videosys_Products/Camera_Control/Guides/VS_RXSM-E_User_Manual_v4.pdf

- For the CL-BASE side:
  https://videosys.tv/files/Videosys_Products/Camera_Control/Guides/VS_IDU_User_Manual_v9.2_%28V148_onward%29.pdf