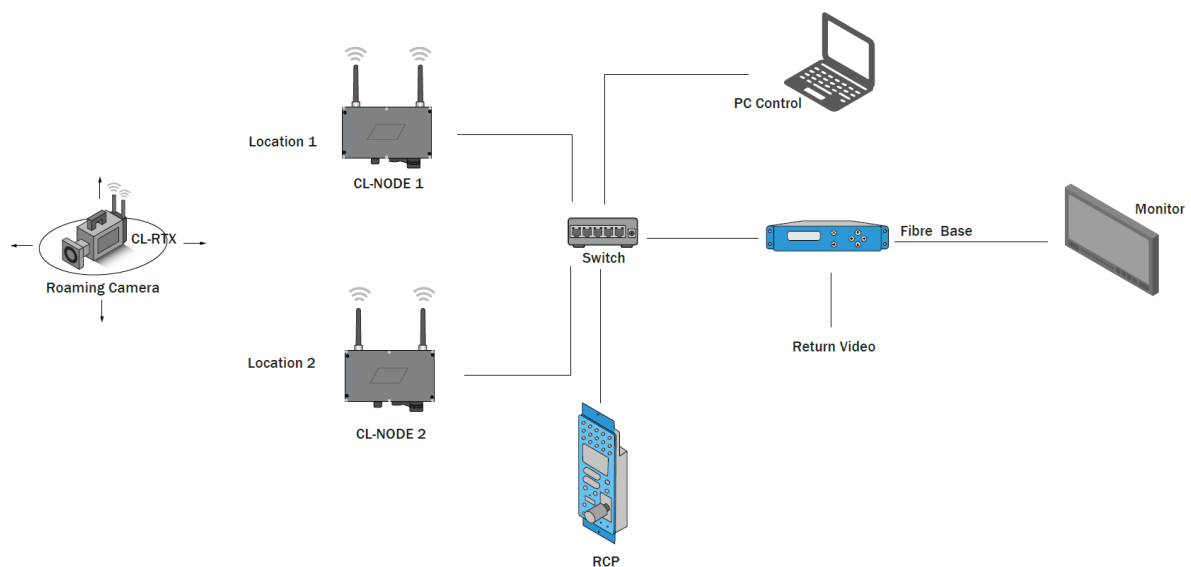




# Connected Live

## 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**



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

### **Radio's default access code**

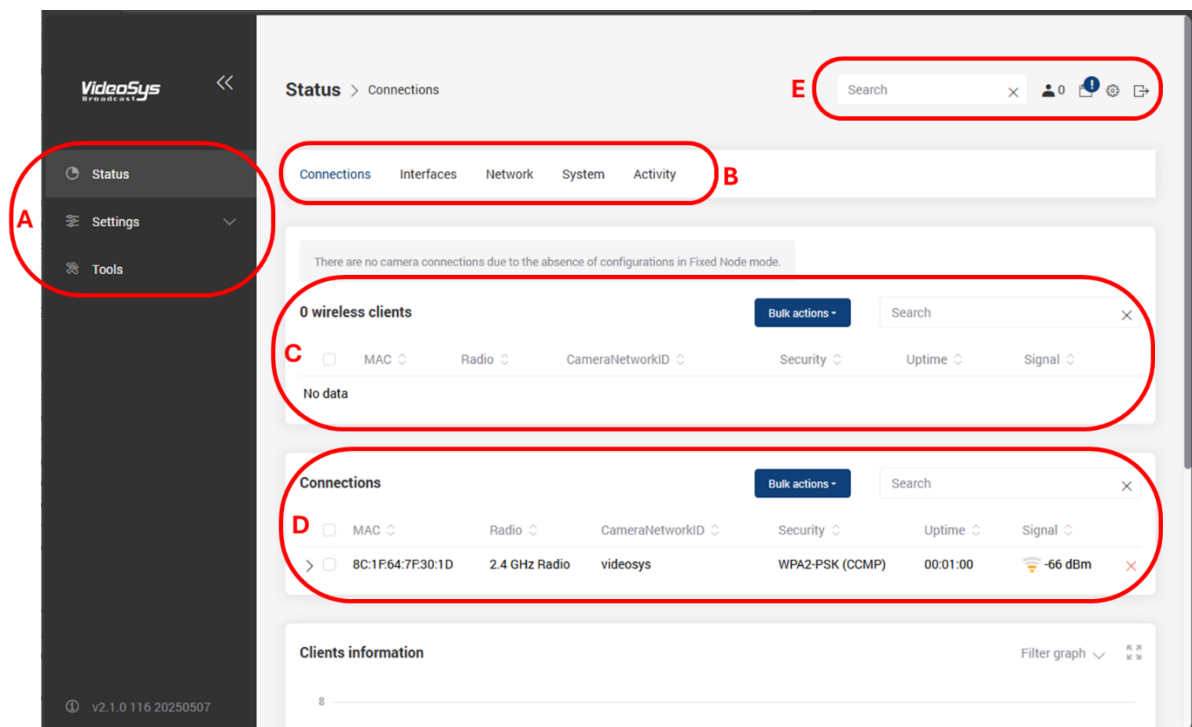
(to access the radios' web interface of the NODE/RTX):

- 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

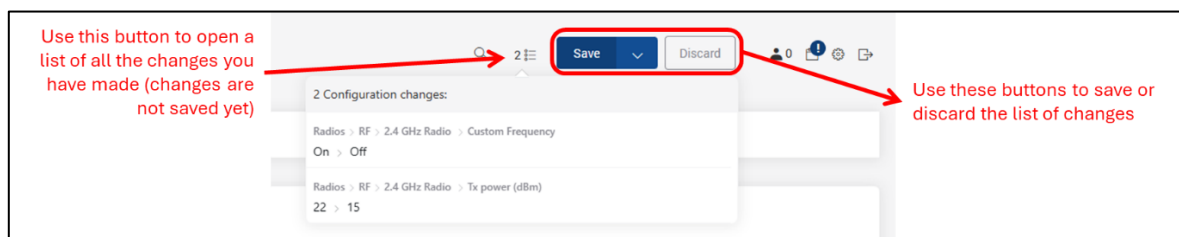
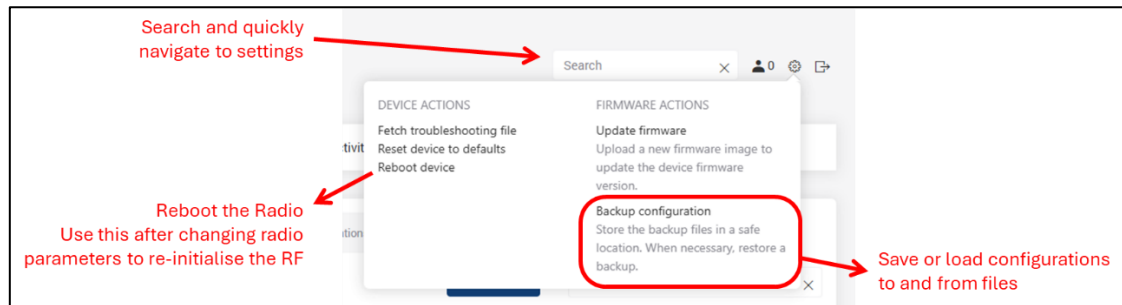
C: List of connected Cameras to a NODE (by default used in CL-NODE units)

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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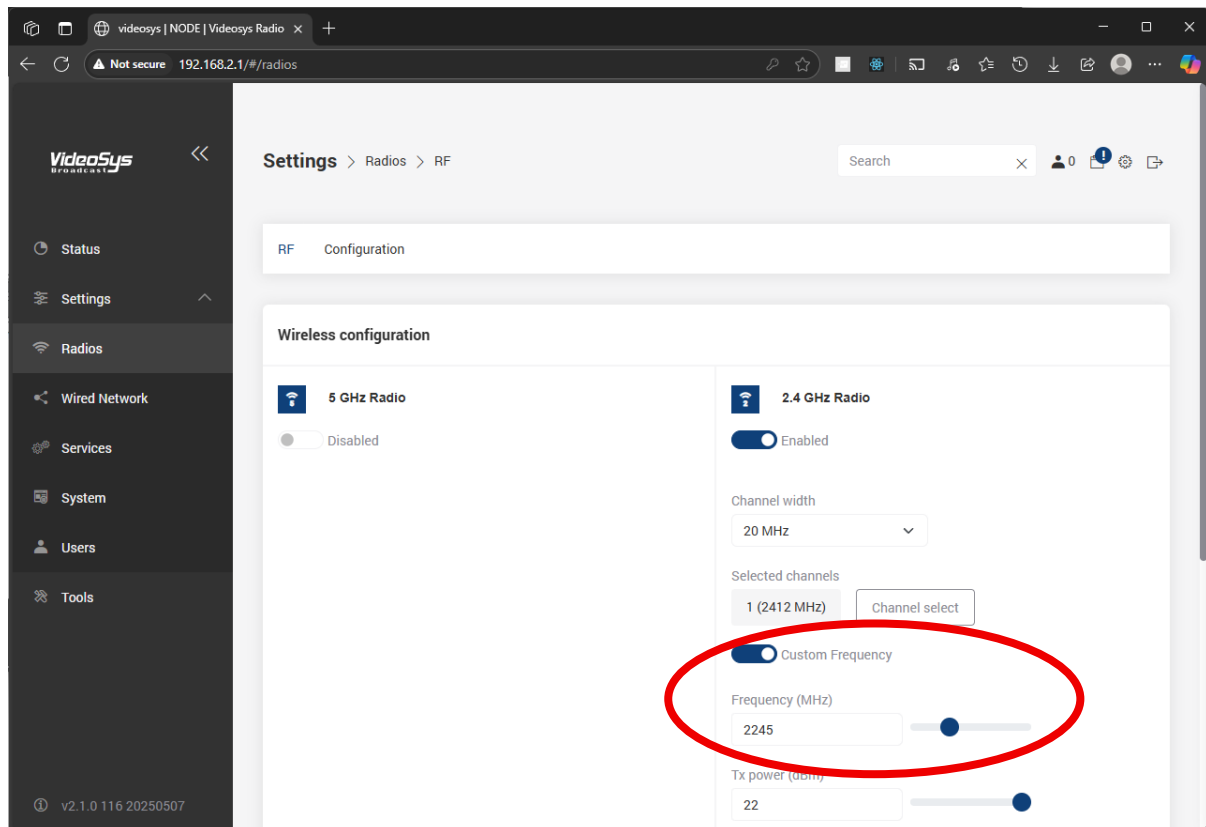


### **Custom Frequency = 2245 MHz**

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:

The screenshot displays the 'Settings > Radios > Configuration' page in the Videosys Broadcast web interface. The left sidebar contains navigation links: Status, Settings, Radios (selected), Wired Network, Services, System, Users, and Tools. The main content area is titled 'RF Configuration' and shows the 'Fixed Node (videosys)' configuration. The 'General' tab is active, displaying the following settings:

- Mode:** Fixed Node (dropdown menu)
- Radio Camera Network ID:** videosys (text input)
- Hide Radio Camera Network:** Radio Camera is discoverable (toggle switch, currently off)
- Network zone:** Local Network (dropdown menu)
- VLAN:** (toggle switch, currently off)
- Enable on radio:** 5 GHz Radio (toggle switch, currently off), 2.4 GHz Radio (toggle switch, currently on)
- Automatic Modulation Mode (applies to both Radios):** Enabled (toggle switch, currently on)

The 'Security' tab is also visible, showing the following settings:

- Mode:** WPA2 personal (dropdown menu)
- Passphrase:** passphrase (text input)
- Fast BSS:** (toggle switch, currently off)

The bottom left corner of the interface shows the version number: v2.1.0 116 20250507.

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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:

**Settings** > Radios > Configuration

RF Configuration

Select network: Camera Node + Add network

Camera Node configuration Remove

**General**

Mode  
Camera Node

Enable on radio  
☒ 5 GHz Radio  
☒ 2.4 GHz Radio

Automatic Modulation Mode (applies to both Radios)  
☒ Enabled

5 GHz Radio 2.4 GHz Radio

Automatic Modulation Mode (applies to both Radios)  
☒ Enabled

**5 GHz Radio**

Radio Camera Network ID  
videosys Scan

☐ Lock Fixed Node MAC

Security mode  
WPA2 personal + WPA3 personal

WPA2/WPA3 mixed mode uses WPA3 Personal with devices that support it while allowing older devices to use WPA2 Personal mode instead.

Passphrase  
passphrase

Network zone  
Local Network

☐ VLAN

**2.4 GHz Radio**

Radio Camera Network ID  
videosys Scan

☐ Lock Fixed Node MAC

Security mode  
WPA2 personal + WPA3 personal

WPA2/WPA3 mixed mode uses WPA3 Personal with devices that support it while allowing older devices to use WPA2 Personal mode instead.

Passphrase  
passphrase

Network zone  
Local Network

☐ VLAN

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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:

The screenshot displays the 'Settings > Wired Network > Zones' interface. The 'Local Network' tab is selected, showing the 'Local Network configuration' section. The 'General' tab is active, displaying fields for 'Network name' (Local Network), 'Network type' (LAN), and 'Port VLAN ID' (1). The 'IPv4' section is highlighted with a red circle, showing the 'Enabled' toggle and the 'IP address' field set to 192.168.2.2. The 'Netmask' field is set to 255.255.255.0. The 'Secondary IPv4' section is also visible, showing a 'Disabled' toggle. The interface includes a sidebar with navigation options like Status, Settings, Radios, Wired Network, Services, System, Users, and Tools. The bottom left corner shows the version 'v2.1.0 116 20250507'.



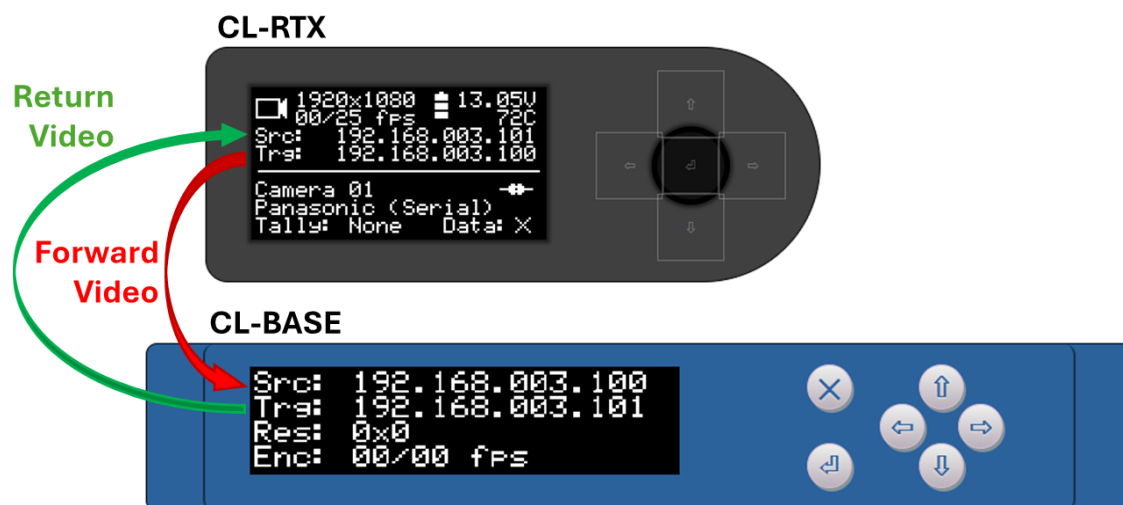
### **Encoder & Decoder IP Address**

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](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](https://videosys.tv/files/Videosys_Products/Camera_Control/Guides/VS_IDU_User_Manual_v9.2_%28V148_onward%29.pdf)