First Time Network Connection

Connecting to your sygnalTRX unit for the first time.

First, you must connect to your unit via a network connection. There are multiple ways to connect to your sygnalTRX unit to a network. Below is a list of these methods, which are explored in more detail below. The variety of options is there to ensure that no matter the scale of your system, there is always a quick and convenient way to set up your sygnalTRX units for the first time.

1 - Plug unit into an existing network which has a DHCP server.

2 - Plug unit into an existing network without DHCP.

3 - Plug unit directly into your computer via its network connection.

4 - Use Access point mode to connect to the device directly over wifi, enabling you to configure the sygnalTRX unit to connect to an existing WIFI network.

5 - Use a USB stick to flash a configuration file to the unit (including network connection information), enabling rapid programming of multiple sygnalTRX units.

1 - Connecting the unit to an existing network which has a DHCP server.

Plug your sygnalTRX unit into your network using a cat5e cable (or above).
Wait for it to be given an IP address (usually about 10 seconds).
As soon as this happens, the IP address will be displayed on the OLED display.

At this point, you can connect to the device via its web GUI, or via the sygnalCONTROL app.
To access the web GUI, ensuring that your computer is on the same network and subnet (or has routes to), enter the IP address in your web browser to access the sygnalTRX GUI.

To connect via the sygnalCONTROL app, ensuring that your computer is on the same subnet, click the + icon in the bottom left of the screen. Now select the discovered device from the list and press "add". Alternatively, you can type in the IP address for the sygnalTRX unit if it is on a different subnet which will means the automatic discovery will not work.

2- Plug unit into an existing network without DHCP.

Plug your sygnalTRX unit into your network using a cat5e cable (or above).
Wait for it to be given an automatically assigned IP address (usually about 10-20 seconds).
As soon as this happens, the IP address will be displayed on the OLED display.

At this point, you can connect to the device via its web GUI, or via the sygnalCONTROL app.
To access the web GUI, ensuring that your computer is on the same network and subnet (or has routes to), enter the IP address in your web browser to access the sygnalTRX GUI.

To connect via the sygnalCONTROL app, ensuring that your computer is on the same subnet, click the + icon in the bottom left of the screen. Now select the discovered device from the list and press "add". Alternatively, you can type in the IP address for the sygnalTRX unit if it is on a different subnet which will means the automatic discovery will not work.

3 - Plug unit directly into your computer via its network connection.

Plug your sygnalTRX unit into your computer using a cat5e cable (or above).
Wait for it to be given an automatically assigned IP address (usually about 10-20 seconds).
As soon as this happens, the IP address will be displayed on the OLED display.

At this point, you can connect to the device via its web GUI, or via the sygnalCONTROL app.
To access the web GUI, ensuring that your computer is on the same network and subnet (or has routes to), enter the IP address in your web browser to access the sygnalTRX GUI.

To connect via the sygnalCONTROL app, ensuring that your computer is on the same subnet, click the + icon in the bottom left of the screen. Now select the discovered device from the list and press "add". Alternatively, you can type in the IP address for the sygnalTRX unit if it is on a different subnet which will means the automatic discovery will not work.

4 - Use Access point mode to connect to the device directly over wifi, enabling you to configure the sygnalTRX unit to

connect to an existing WIFI network.

Press and hold the "ID" button on the left hand side of the unit until it starts flashing (5 seconds). On your computer/phone/laptop, connect to the wifi network it has just created. The SSID will be its serial number (printed on the base of the unit). The password will be be the same as the SSID: its serial number.
This should open a captive portal which displays the web GUI. If it doesn't, visit the IP address shown on the OLED screen on side of the sygnalTRX unit.

Configure the device how you wish, for example by adding the SSID and password for your wifi network.

To take the device out of access point mode, press the flashing ID button once more. The device will now try and connect to the new network you added.

5 - Use a USB stick to flash a configuration file to the unit (including network connection information), enabling rapid programming of multiple sygnalTRX units.

Open sygnalCONTROL. To do this, visit the IP address of a sygnalCORE or sygnalGLUE server already on your network, or download the sygnalCONTROL standalone app on your computer by visiting https://sygnal.tv/control

At the bottom left of the screen, click the '+' icon to add a device, and select virtual device. Select your model of sygnalTRX unit, and then click "add".

Ensuring you're on the "device" view tab of sygnalCONTROL, select the virtual device you just made from the list on the left.
On the right hand side of the screen you can create a configuration for the device you wish to add.
For more details on using sygnalCONTROL, please see the sygnalCONTROL manual.

Once you have finished creating the configuration, click the "download config" button and save it to the root directory of a FAT32 formatted USB drive.

Safely eject the drive, then plug it into the SYGNAL unit you wish to flash with this configuration. All three buttons will flash once the flash has completed succesfully. You may now remove the USB stick.

The unit will now connect to whatever wifi network you configured, and you'll be able to access its GUI by visiting the IP address displayed on the OLED display, or alternatively you may add it to SYGNAL control via its auto discovery or by typing in this IP address.