J-TEQ ENERGY LTD

UD

UNIVERSAL DISPLAY

USER GUIDE

J-TEQ Energy Ltd.
6 Bain Square, Kirkton Campus
Livingston, West Lothian, EH54 7DQ

01506 460555
sales@j-teq.co.uk
www.j-teq-energy.co.uk

J-TEQ ENERGY LTD

1.	GETTING STARTED	3
1.1	Powering up the Display	3
1.2	Restarting the Display	3
1.3	Display Start up	4
1.4	Setting the Locale	4
2.	CONNECTING TO A SOURCE	5
2.1	Making a Connection to a DHCP Router	5
2.2	Manage and Display Content	7
2.3	Connect to an Ethernet Source with Static IP	12
2.4	Connect to a WIFI Source with Static IP	14
3.	GENERAL SETTINGS	17
3.1	Time & Date Settings	17
3.2	Wi-Fi Switch	18
3.3	Adjusting the Dimming Behaviour	18
3.4	Hint & Password Settings	18
3.5	Reset the Display	19
4.	Uploading Cert.p12 for Niagara Station	20

1 GETTING STARTED

1.1 POWERING UP THE DISPLAY

The J-TEQ Universal Display will start up and launch when an active power source is applied to the DC jack connector. In the situation where power is removed from the display, the battery will eventually deplete and the display will switch off, however, as soon as the power source is re-established, the display will start and launch into any content that has been setup.

1.2 RESTARTING THE DISPLAY

Once running the J-TEQ application, the display can be restarted at any point by making a single press to the power button. After a few seconds of inactivity, the display will restart.

Access to the power button is located on the right hand side of the display using the allen key provided.

Access to power button

The Display can also be rebooted or switched off by pressing and holding the power button. A pop-up option will appear and the following options are available.

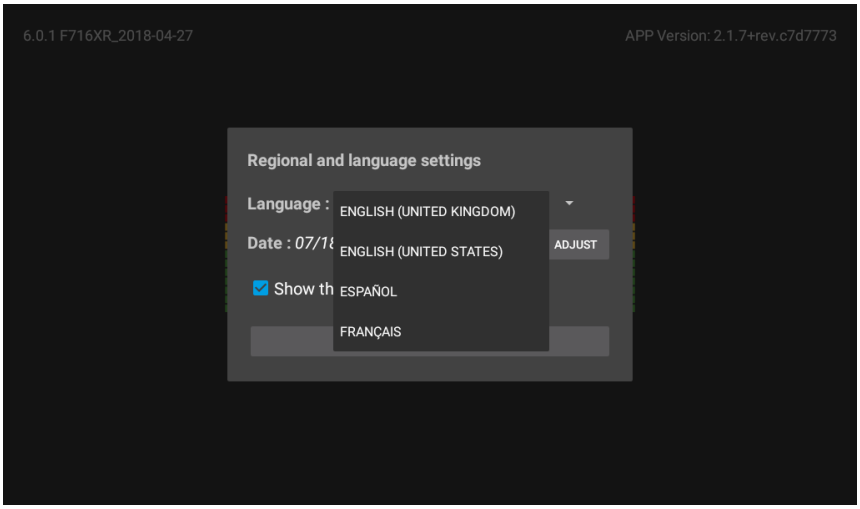
Do not apply excessive force to the button.

1.3 DISPLAY START UP

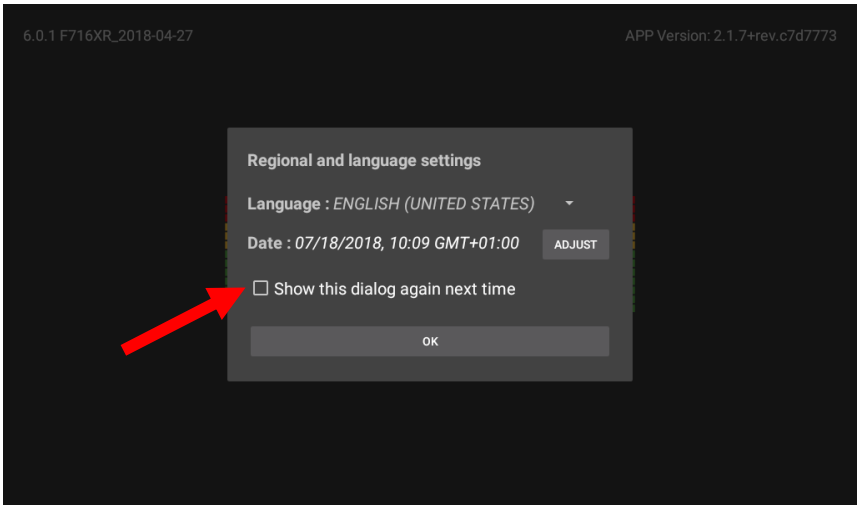
During the start up process, the following screens will be observed. **No user input is required** at this point.

1.4 SETTING THE LOCALE

When the Display starts for the first time, or there are no historical settings, the following option screen will be shown. Select the desired language and the time can also be set here if incorrect.



Unselect the tick box if this dialog box is not required again. Locale configuration is also available in ***GENERAL SETTINGS***. Click ***OK*** to continue.

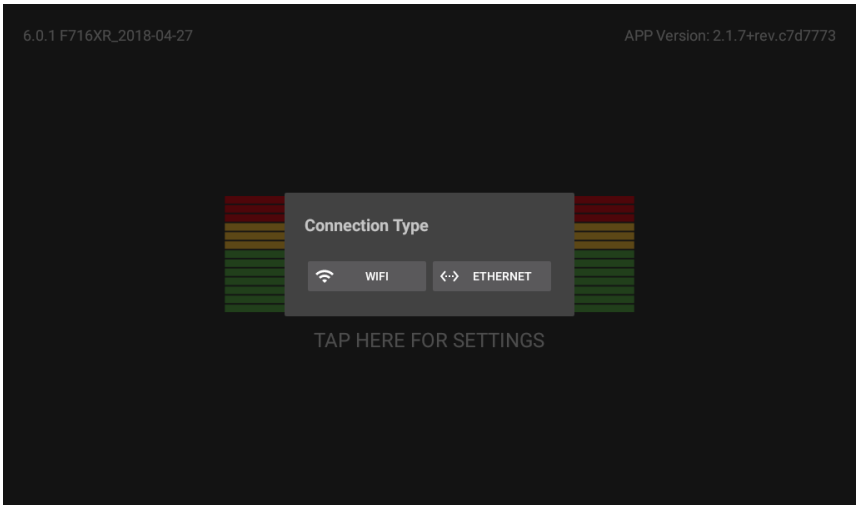


2 CONNECTING TO A SOURCE

2.1 Making a connection to a DHCP router

This section describes the process connecting to a network with DHCP. If a Static IP connection is required, go to either section 2.3 or 2.4 and complete, then return to section 2.2.

If there are no historical settings, an option of WIFI or ETHERNET will be available. Choose the required option.

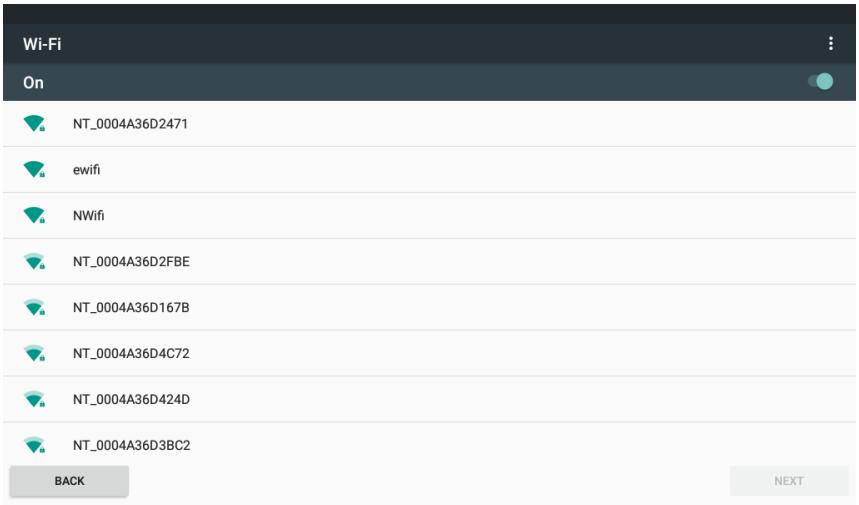


For ***WIFI*** connection ***follow the steps below***. WPS can be used as an optional connection method.

For ***ETHERNET*** connection ***skip to section 2.2.***

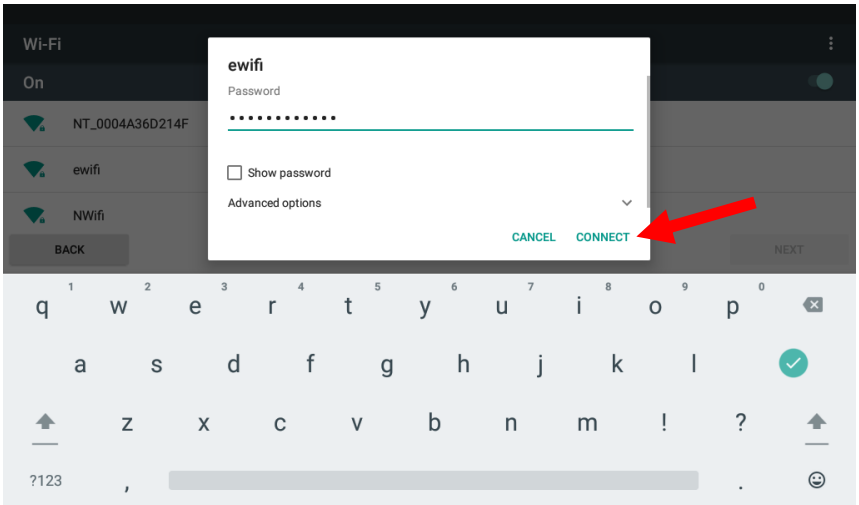
WIFI connection only

Select the Network from the list that has been discovered.
(See next page for alternative option to use WPS if preferred)



WIFI connection only

Enter the password for the network and click ***CONNECT***.

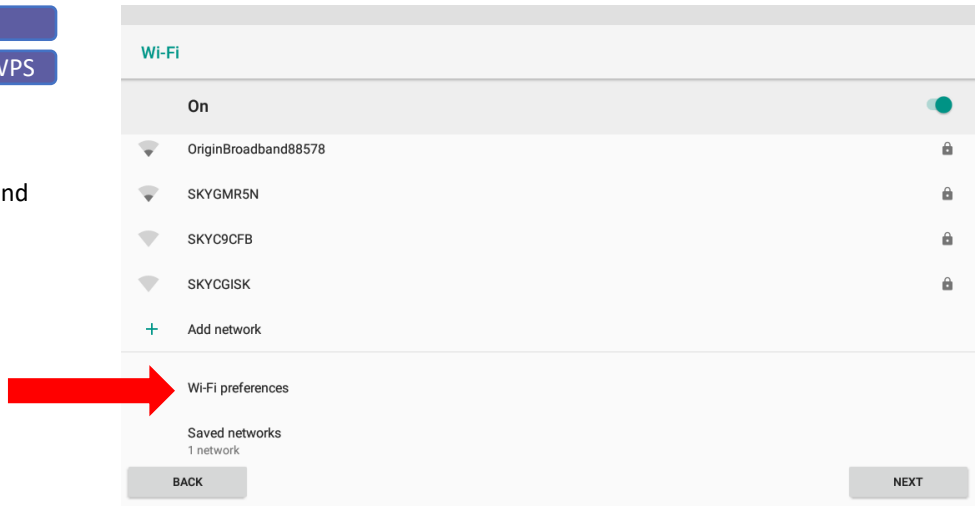


Skip the WPS sections if the password has been entered via the keypad.

WIFI connection only

Alternative method using WPS

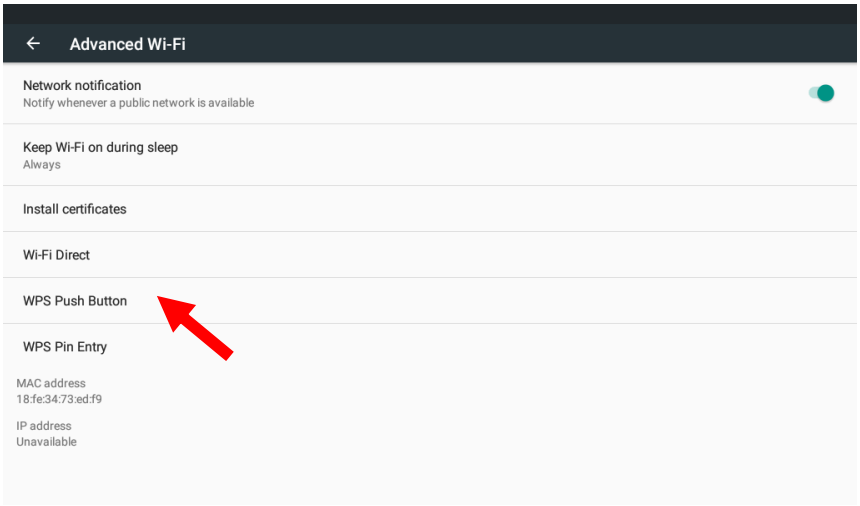
If WPS is available on the Network, select wi-fi preferences on the bottom and select ***Advanced***.



WIFI connection only

Alternative method using WPS

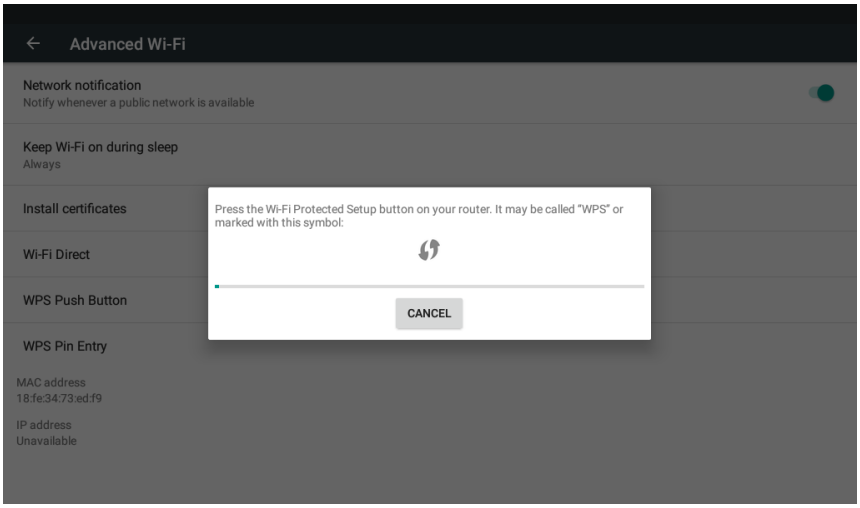
Select ***WPS Push Button*** feature and enable WPS on the Source.



WIFI connection

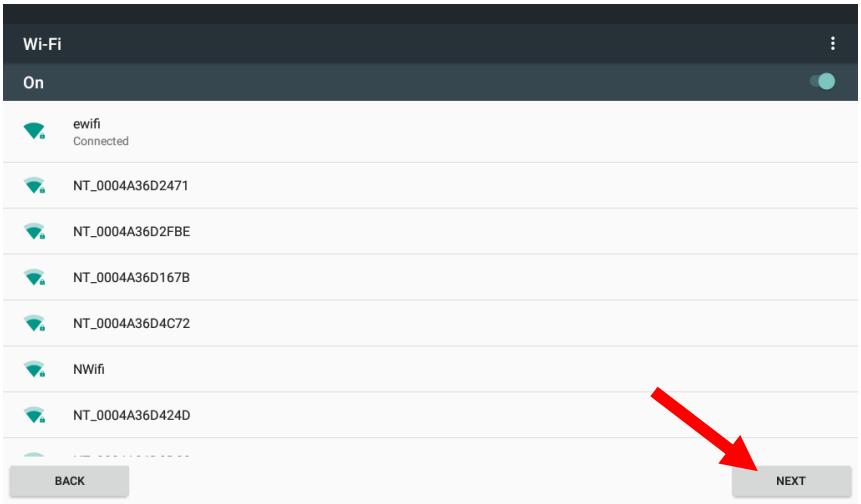
Alternative method using WPS

The WPS system should connect.



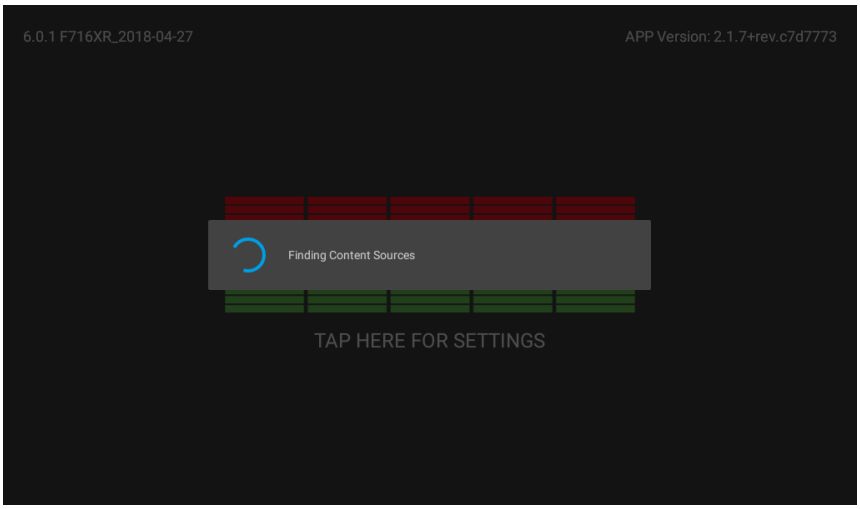
WIFI connection only

Using either the password method or via WPS, a connection to the network should now be present.
Click *Next*

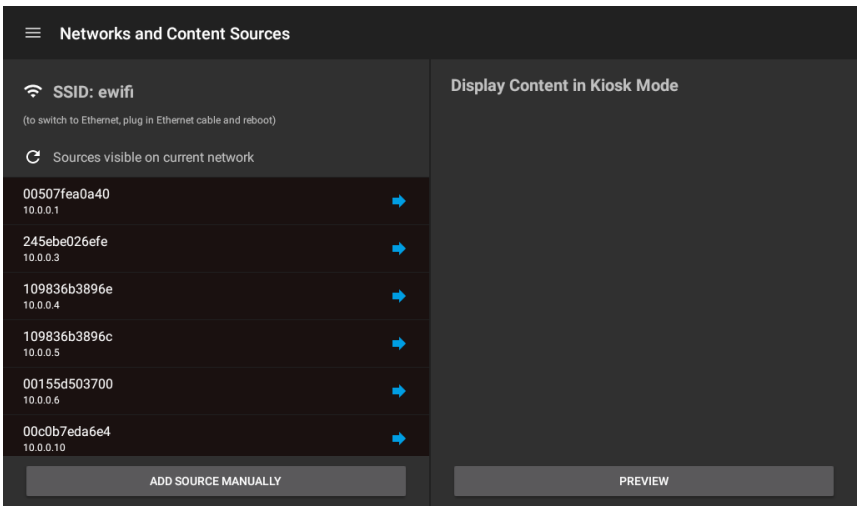


2.2 Manage and Display Content

The application will now search and find all sources available on the network.



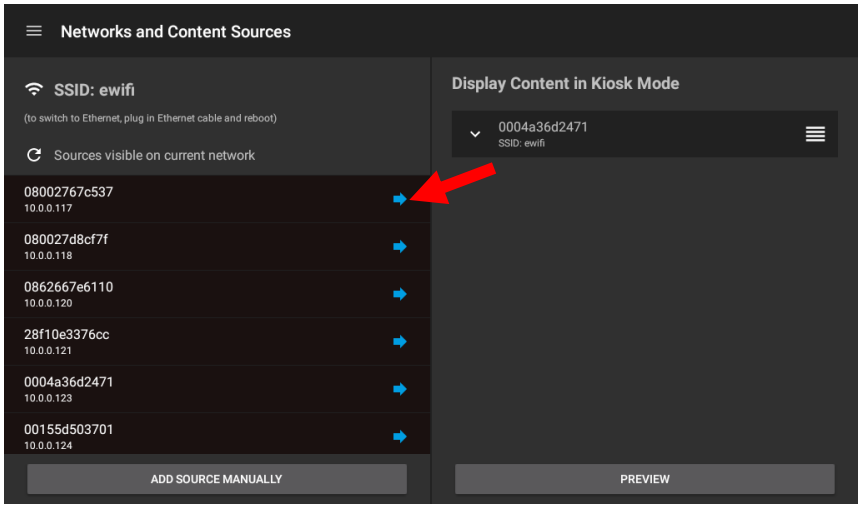
Once search and discovery is complete, the Networks and Content Sources configuration screen is shown.



The discovery process will list the MAC address and associated IP addresses. The list is sorted by IP address in ascending order.

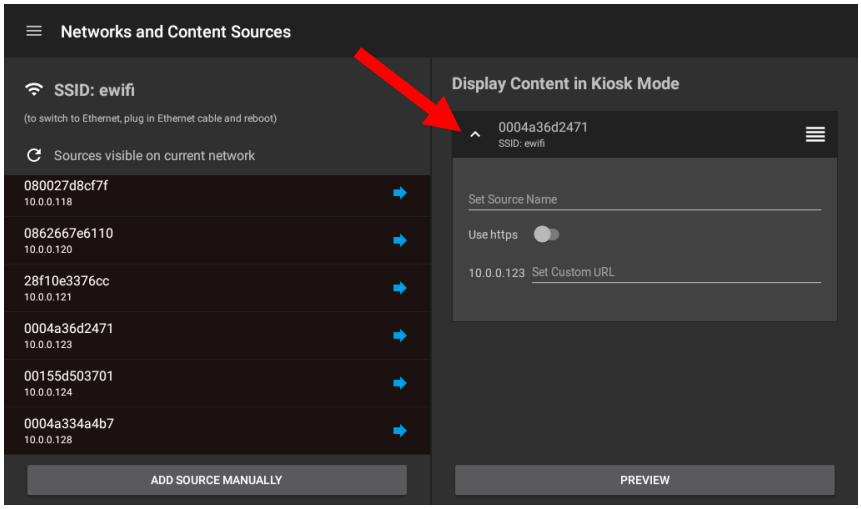
Select the desired Source by clicking on the blue arrow. This will add it to the content to be displayed.

Any number of sources can be selected, or if desired, the same source can be selected numerous times, with a different manually added URL. This could be different content, for example web pages, from the same source.



Click on the box to expand and view configuration options.

- The source can be renamed if required.
- Https can be enabled.
- A custom URL can be added. Include any custom port numbers in the URL, :8080, :8443 etc. A colon must be used before port numbers.
- Click to collapse the box and save any changes.

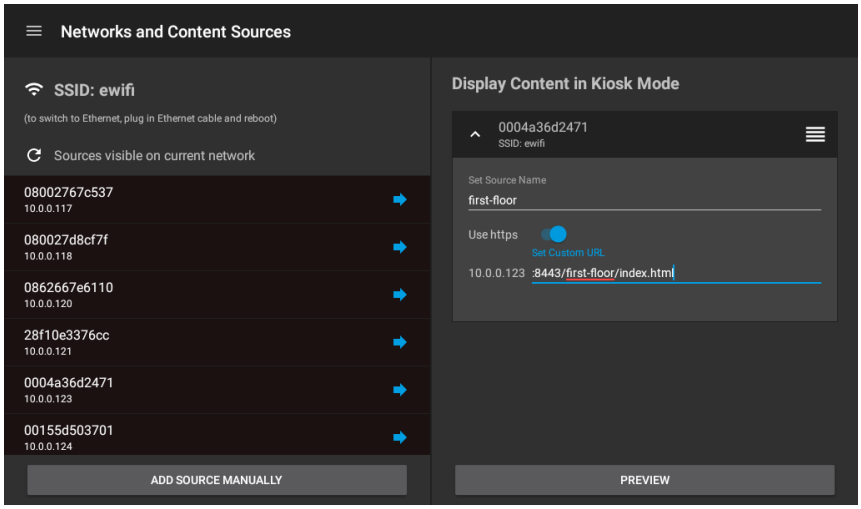


Example Content Configuration

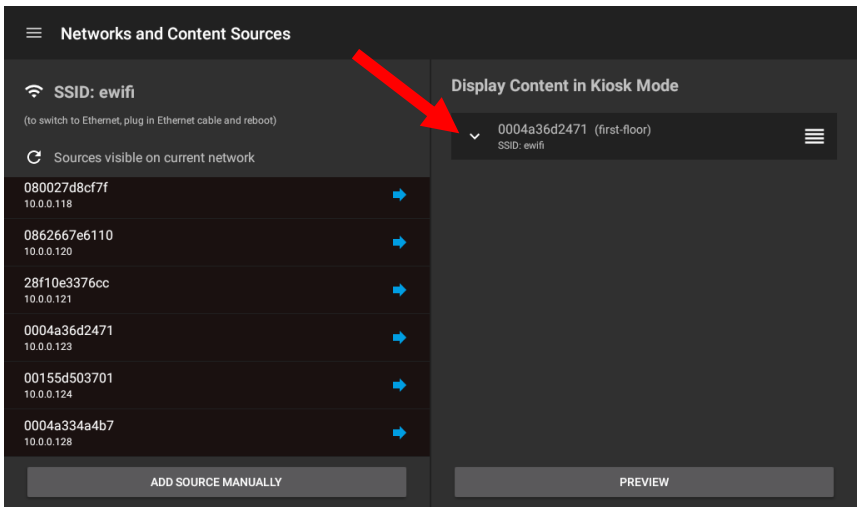
Set Source Name:
first-floor

Use https:
Enabled

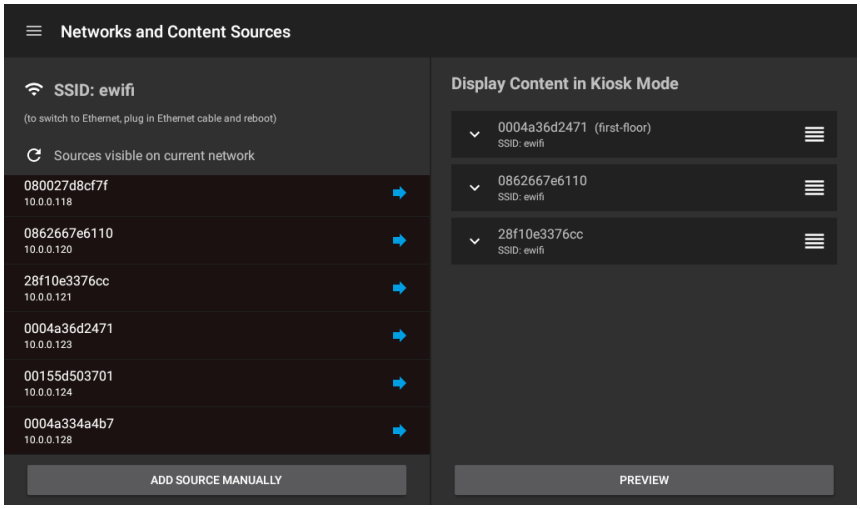
Set Custom URL:
:8443/first-floor/index.html



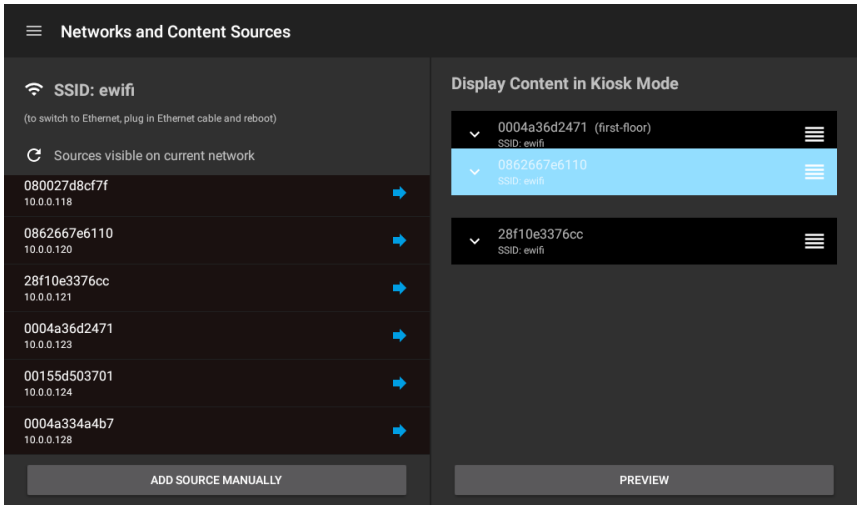
Collapse the input box to save the settings.



Repeat the previous steps for each source to be added

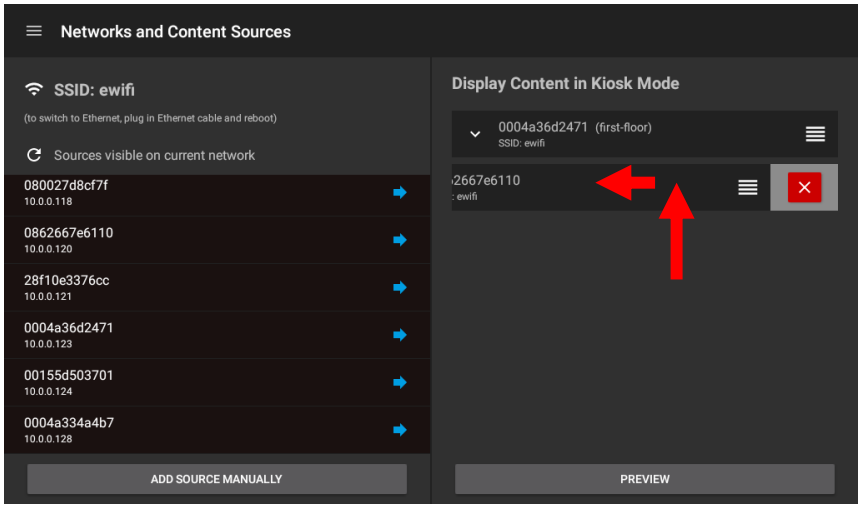


To reorder press and hold the drag and drop handle found on the right of each saved source, then drag up or down.



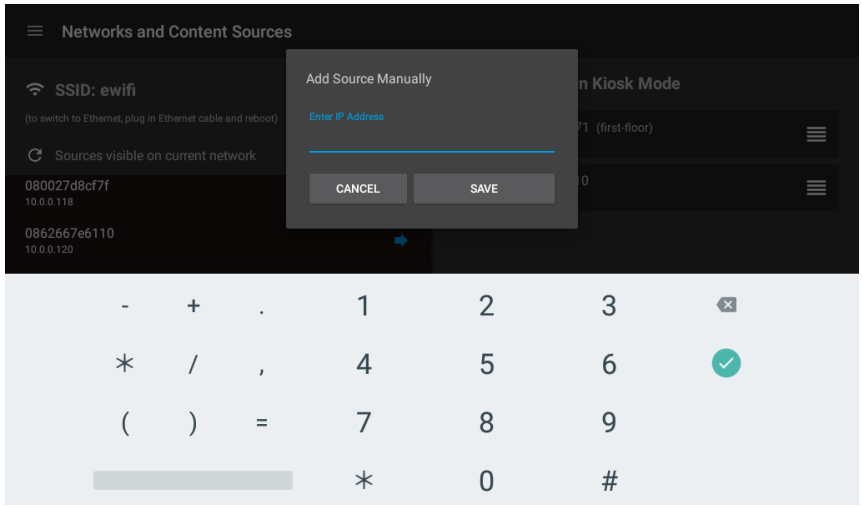
The source at the top of the list is always displayed first.

To remove a Source, swipe left from the centre and click the remove button. This only removes this reference to the Source. It remains available in the device list.



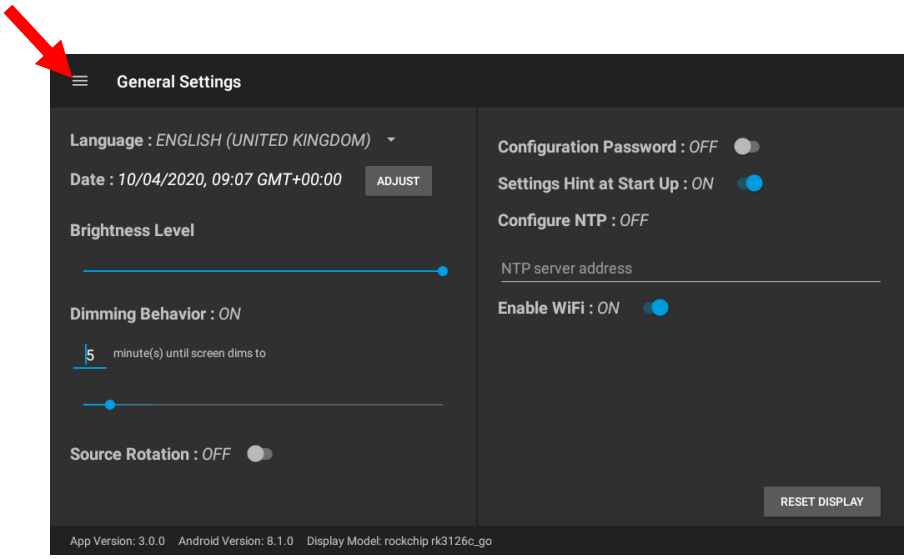
Option

Sources can also be added manually, by using the 'Add Source Manually' button.

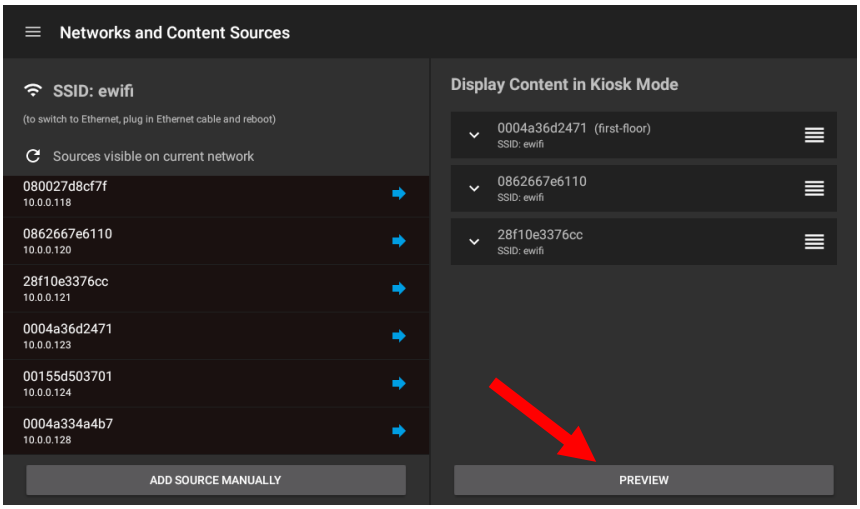


The ***General Settings*** Menu can be accessed from the top left hand menu icon and any changes required should be made before launching any content.

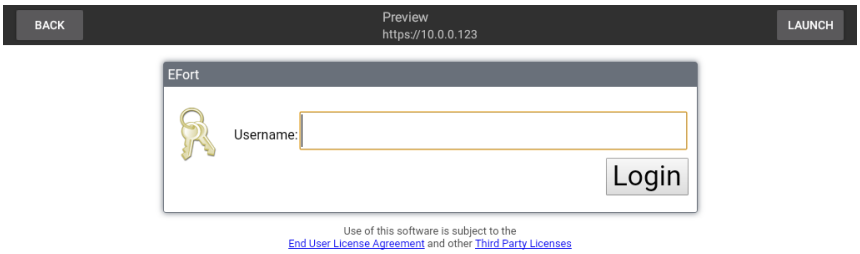
See the *GENERAL SETTINGS* page later in this guide for details of each settings feature.



Once the Content has been selected and setup, click **Preview.**

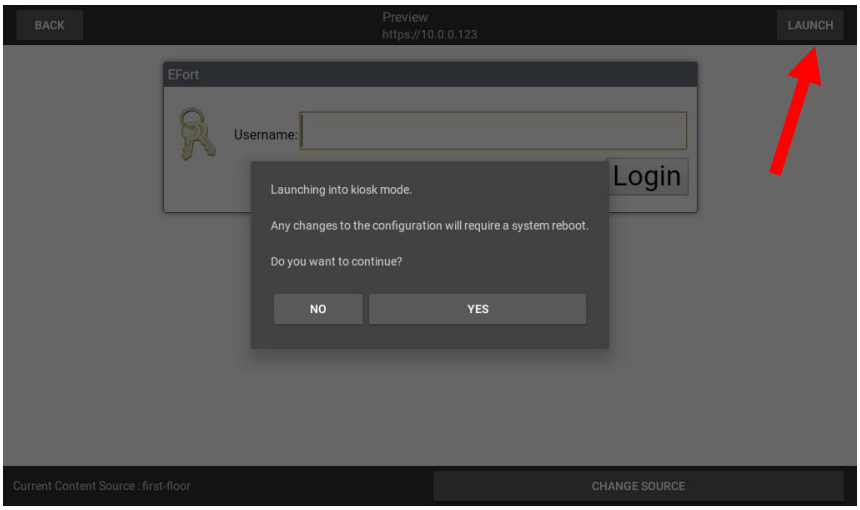


After clicking ***Preview***, content from the top of the list is displayed. A preview bar is displayed providing easy access back to the configuration screen



If more than one Source has been chosen, then an additional ribbon will be available at the bottom of the loaded screen. It will show the current Source and produce a list of Sources to change to if required.
This ribbon can be removed by disabling the ***Source Rotation*** in ***GENERAL SETTINGS***.

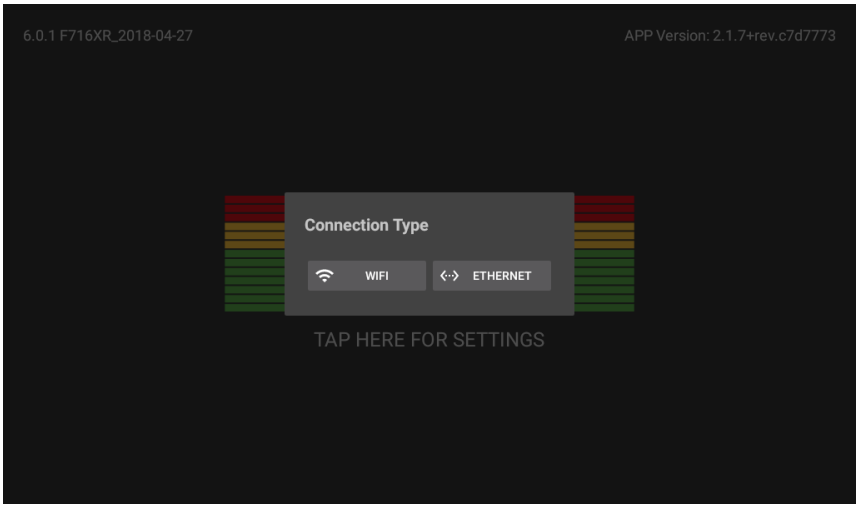
Once satisfied with the Content that is displayed, Click **LAUNCH**.
An option box will be presented.
Clicking NO will simply close the dialog, clicking **YES** will enter the Display into kiosk mode.
Once in kiosk mode a restart of the display will be required to make any further changes to the setup.

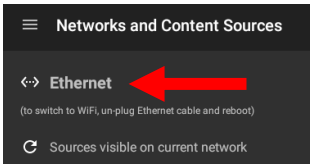


THE UNIVERSAL DISPLAY SHOULD NOW BE READY TO VIEW CONTENT.
CHANGES CAN BE MADE TO THE GENERAL SETTINGS AS REQUIRED, SEE SECTION 3

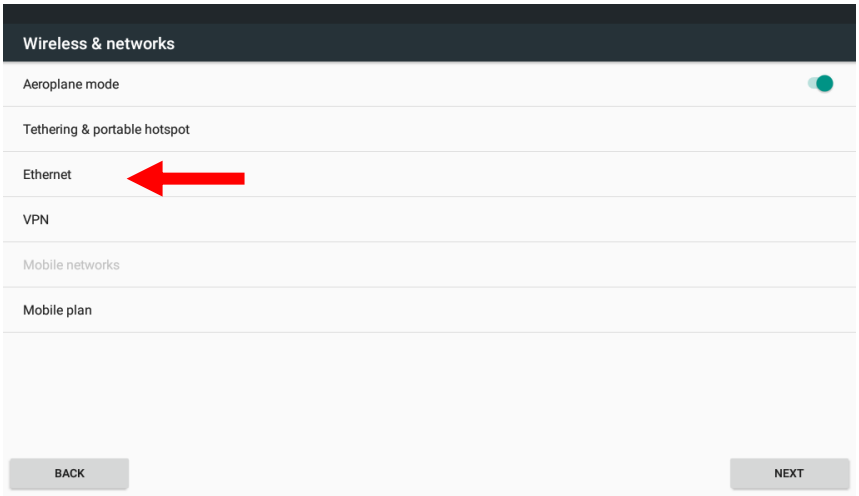
2.3 Connect to an Ethernet source with Static IP

When connected by Ethernet to the source and there is no DHCP available, the ***Connection Type*** dialog box is displayed.
Click on ***ETHERNET***

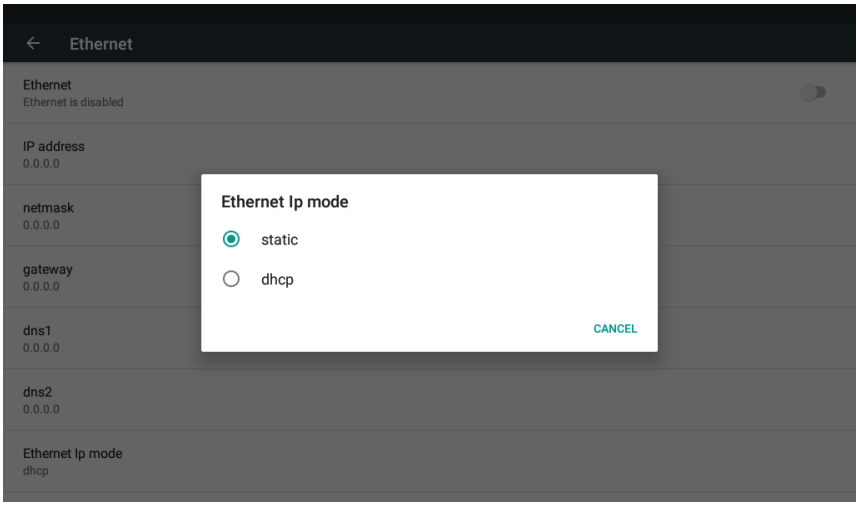




Click on ***Ethernet*** in the Networks and Content Sources page and then ***Ethernet*** again in the Wireless & Networks menu



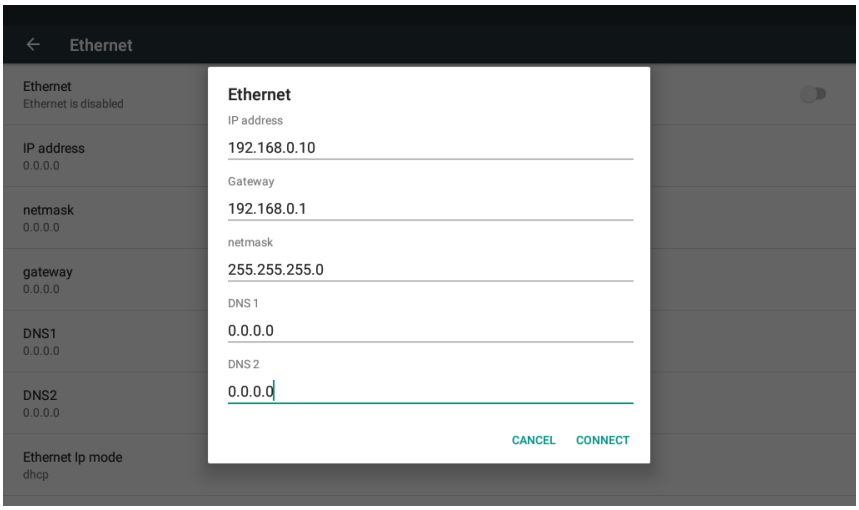
Scroll to the bottom of the screen and select ***Ethernet IP mode***. Select ***static***.



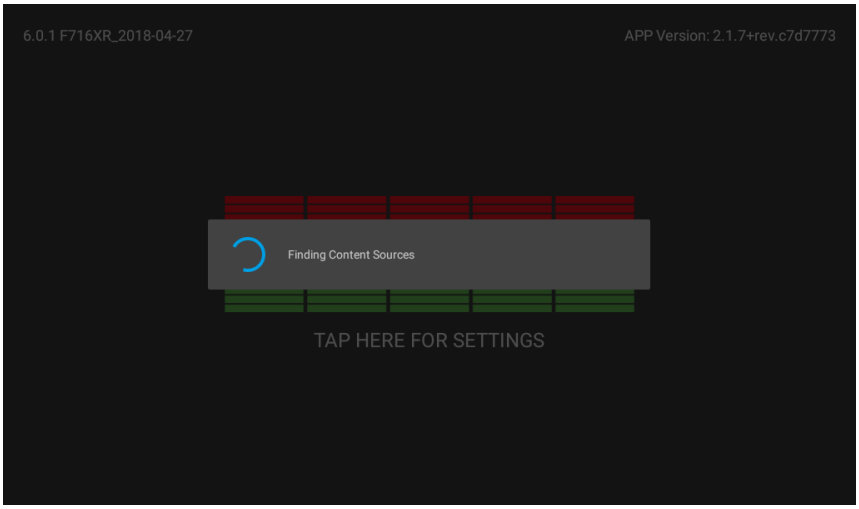
Enter network settings for Static Ethernet connection.

⚠ A value must be added to each field before the settings can be saved.

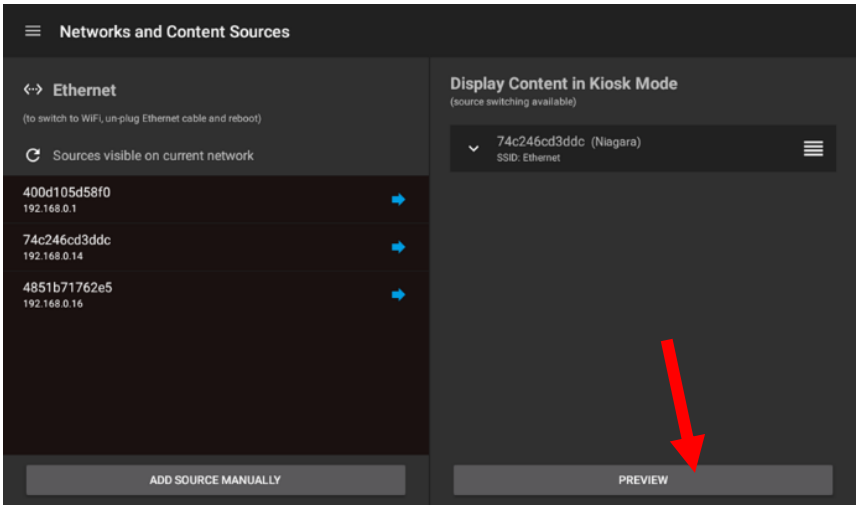
Click ***Connect*** and then ***Next*** to find content on the network.



Any Sources already connected to the same network will be found.

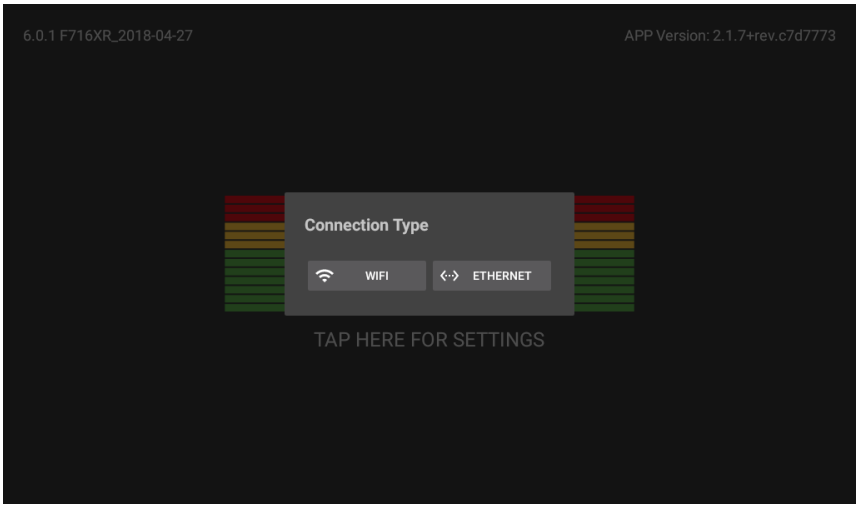


Add the content to be displayed and Preview and then Launch the pages using ***Preview*** as per the methods described in ***Section 2.2***

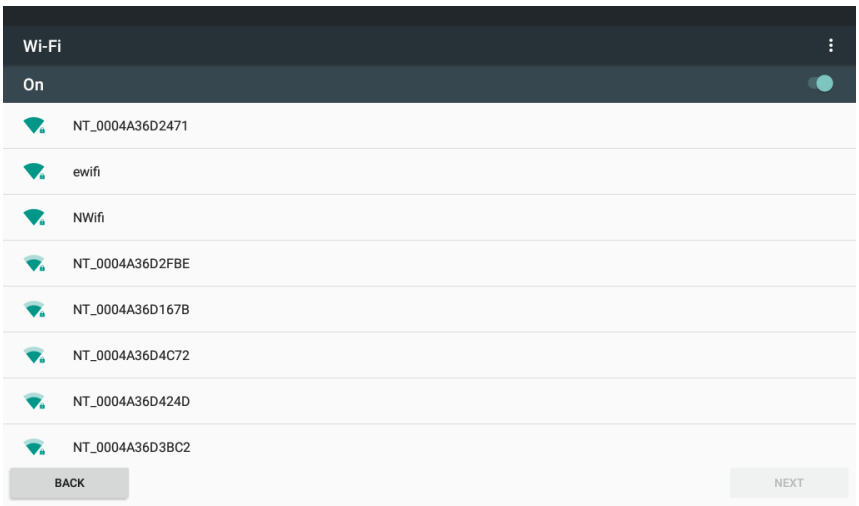


2.4 Connect to a WIFI Source with Static IP

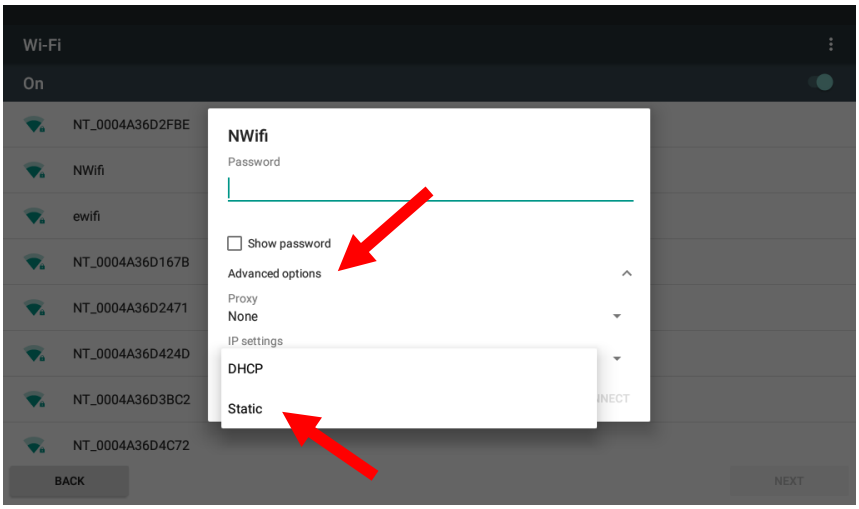
When the **Connection Type** dialog box is displayed.
Click on **WIFI.**



Select the network to join.

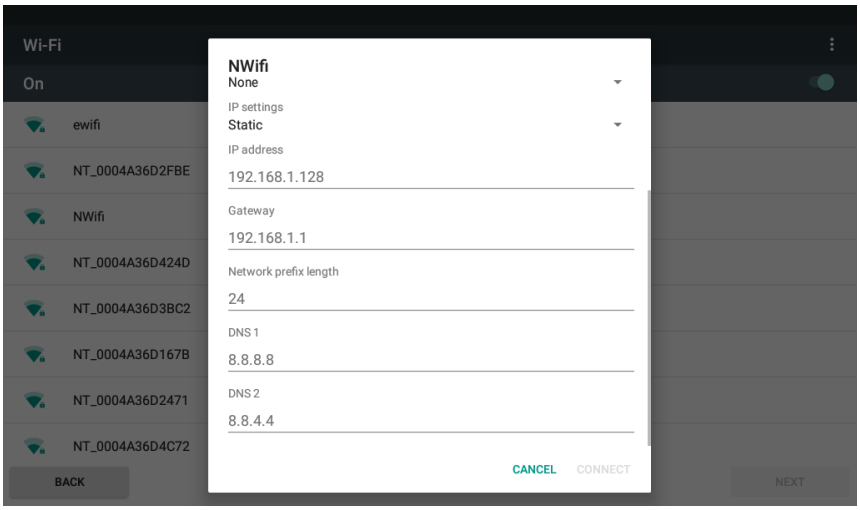


Click on **Advanced Options** and then drop the **IP Settings** box to reveal the option to choose **Static.**

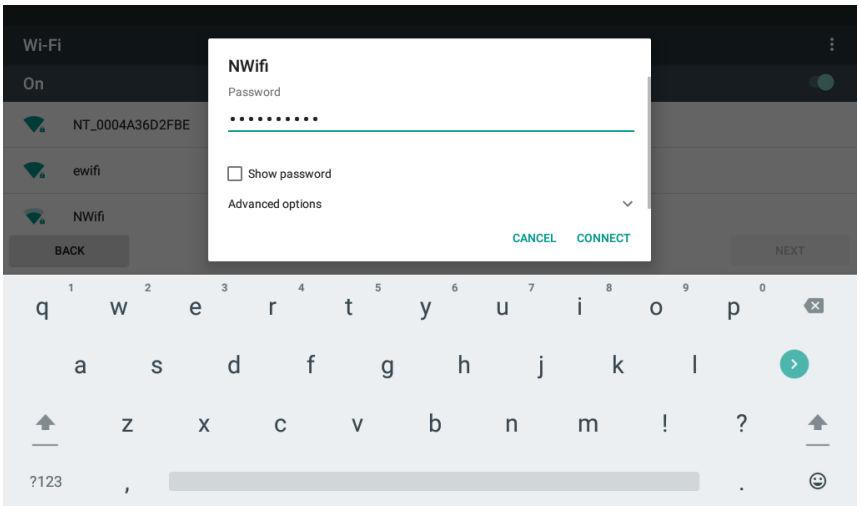


Scroll the entry box down and enter the network settings for Static Ethernet connection.

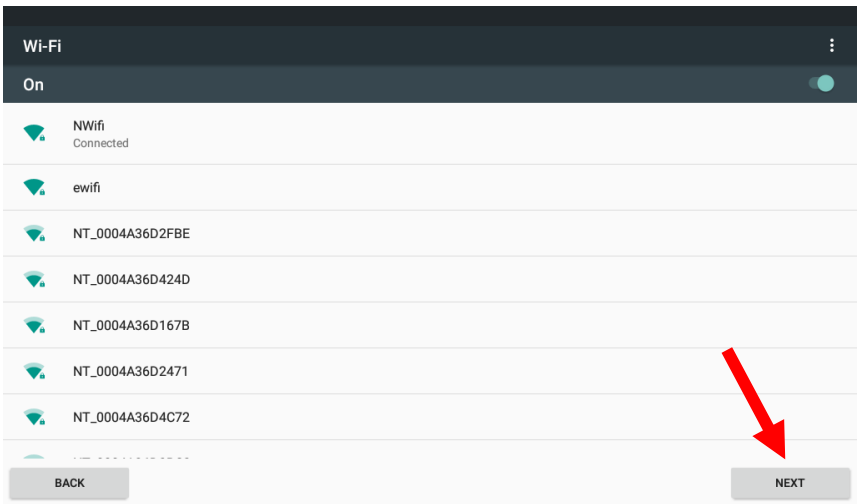
A value must be added to each field before the settings can be saved.



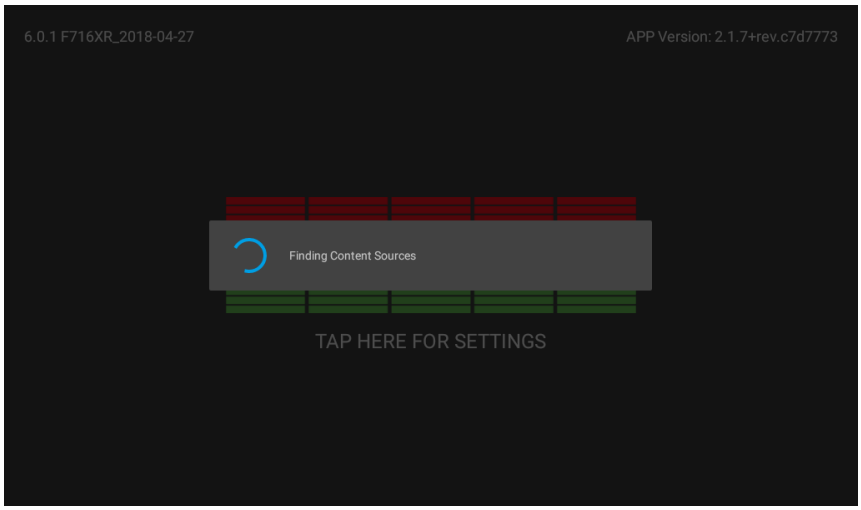
Scroll to the top of entry box and ensure the password is entered and all the configuration detail for the static IP is present. Then click ***Connect.***



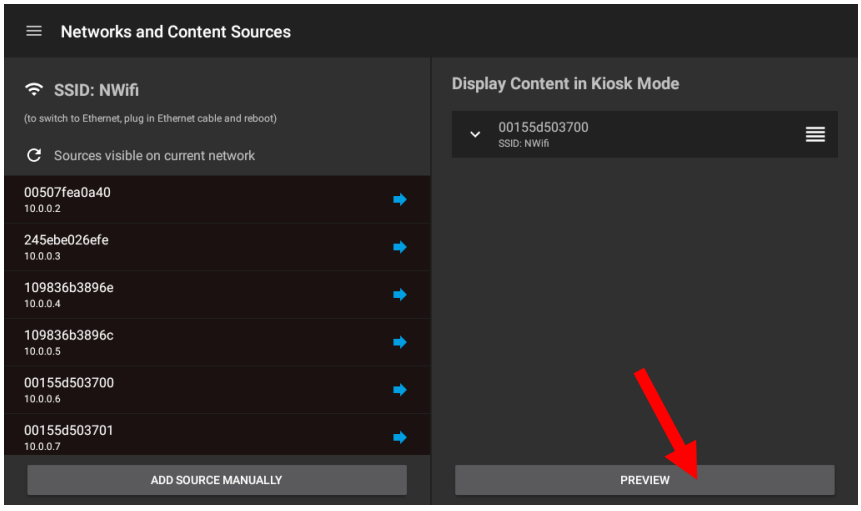
The network chosen should now show as connected. Click ***Next*** to find content on that network.



Any Sources already connected to the same network will be found.

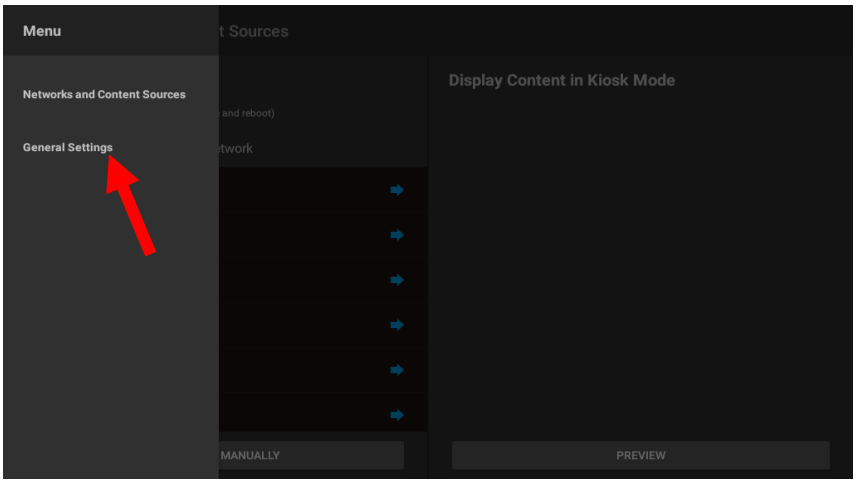


Add the content to be displayed and Preview and then Launch the pages using **Preview** as per the methods described in **Section 2.2**



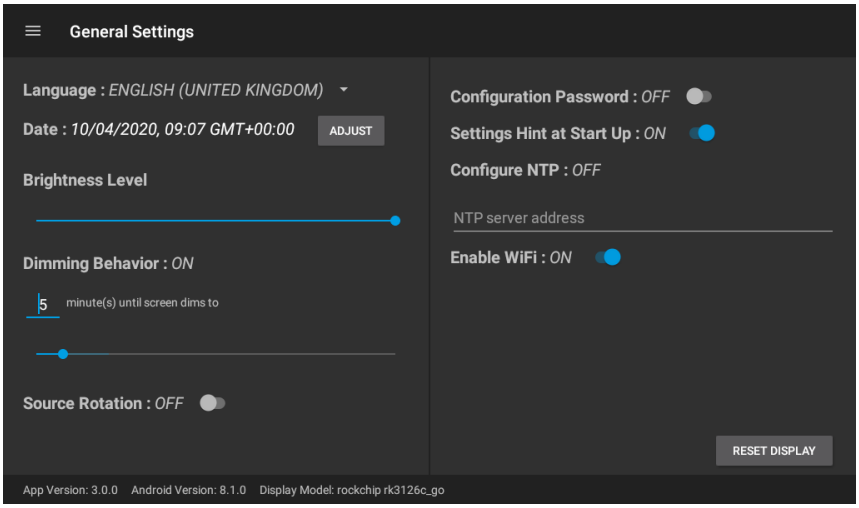
3 GENERAL SETTINGS

Various Display settings can be configured by selecting ***General Settings*** accessed from the ☰ button in the top left hand corner or by swiping from the left edge of the screen.



The following can be configured from within the General Settings menu:

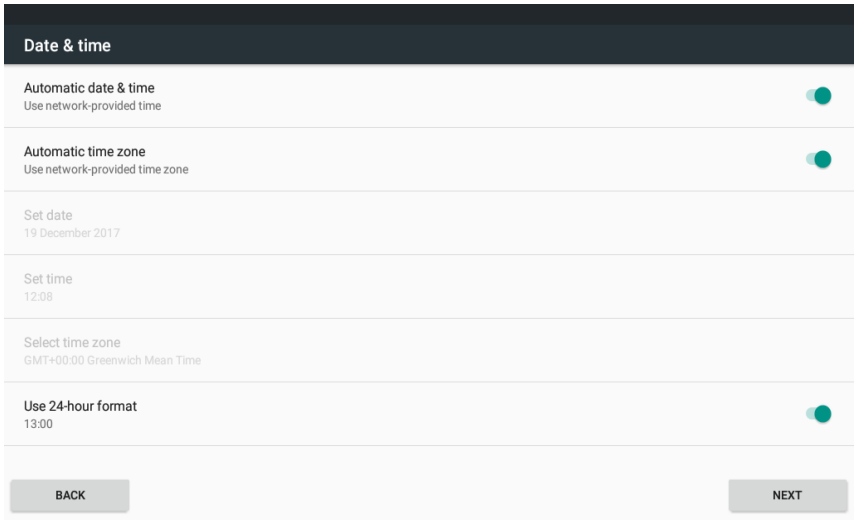
- Change the language.
- Set the Date/ Time/ Time Zone.
- Adjust the brightness and dimming behaviour.
- Switch off source rotation. Enabled if more than one source has been configured. Default is ON.
- Enable the password for the configuration screen.
- Add an NTP Server if required.
- Enable Wi-Fi, Default is On.
- Reset the display.



3.1 Time & Date Settings

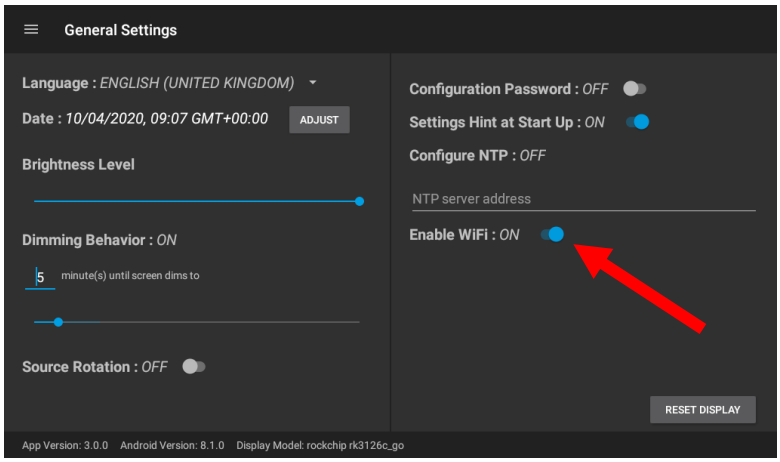
To change the date or time, click ***ADJUST*** in the General Settings.

Deselect Automatic date & time and time zone, then adjust as required. Reselect Automatic buttons once finished, then click ***NEXT***.



3.2 Wi-Fi Switch

Disabling Wi-Fi. By default, this is on. This toggle switch is specifically designed if your connected via an ethernet cable for the convenience to turn off Wi-Fi completely



3.3 Adjusting the dimming behaviour

The dimming function can be adjusted by the following:

- Setting the duration in minutes before dimming takes place. Setting the time to zero will effectively turn dimming off.
- Using the slider to adjust the brightness of the dimmed level required. Setting brightness to maximum will also turn dimming off.

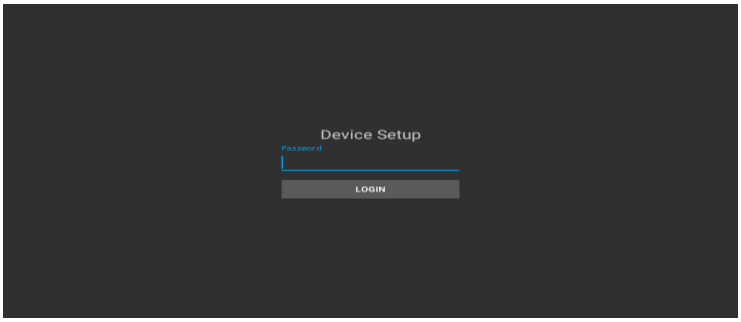
There are however some conditions in place in order to preserve the screen quality.

- Dimmed brightness is capped at 80%
- In order to use the screen at 100% brightness when active, dimming should be enabled and the dimmed brightness set to less than 80%.
- If dimming has been turned off, then the constant screen brightness is limited to 80%.

3.4 Hint & Password Settings

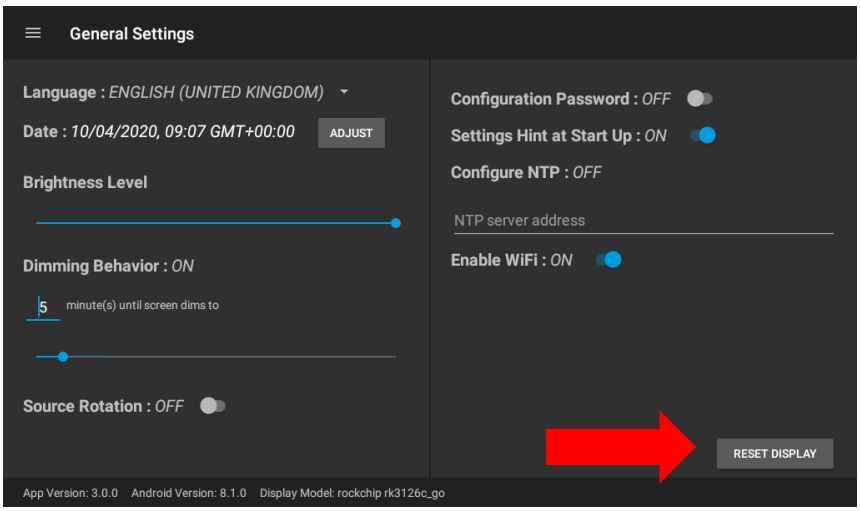
Should the network connection or content need to be changed at any point, restart the Display by pressing the power button once.
By default there is a hint for accessing the settings, ***TAP HERE FOR SETTINGS***.
This hint can be turned off in General Settings if required.

If required, a password prompt can be enabled to control the access to the settings menu.
The password is:
ipd_admin

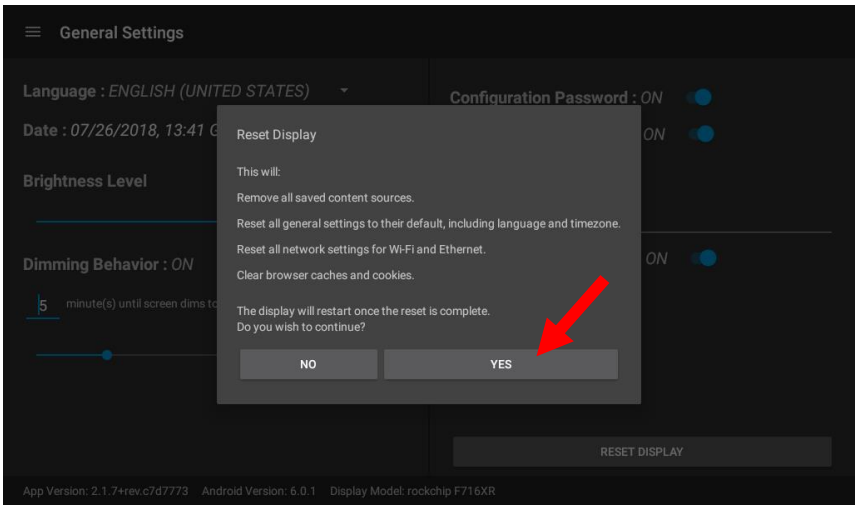


3.5 Reset the Display

The display can be restored to factory settings using the ***RESET DISPLAY*** button.
This process will reset all the settings in the General Settings page to default. It will clear all network settings, content sources and browser caches.

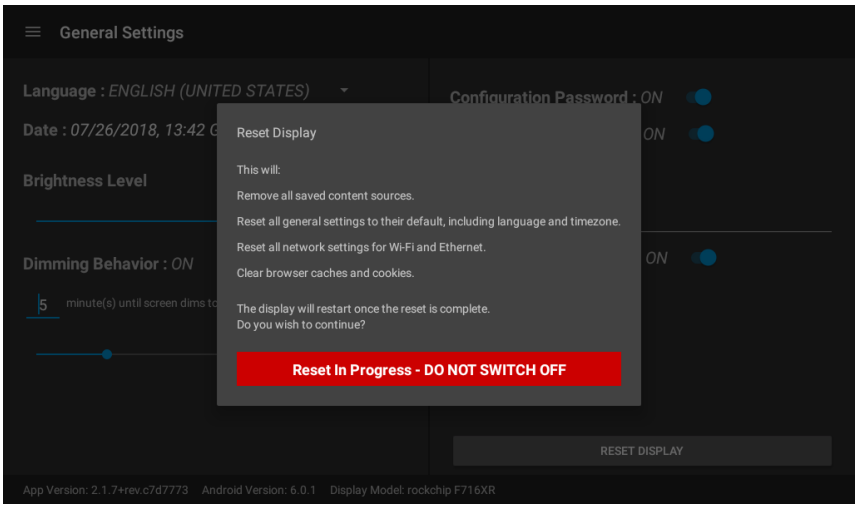


Confirm ***YES*** to proceed with the reset function.



After a few seconds the Display will reboot and prompt the user in the same manner as a Display that has been factory programmed.

(Note: no customer branding files are removed during the reset process)



4 Use of Private and Public Niagara Client Certificates

The Universal Display has a handy feature which allows the user to use there public or private client certificates.

Please follow instruction on “Niagara Station Security guide” Chapter 3 User Authentication, to obtain a public or private client certificate.

The Universal Display accepts your certificate in a .p12 format only, please make sure you have followed the instructions in chapter 3 of the Niagara Station Security Guide to achieve this.

Installation of a public and private Niagara client Certificate to Universal Display:

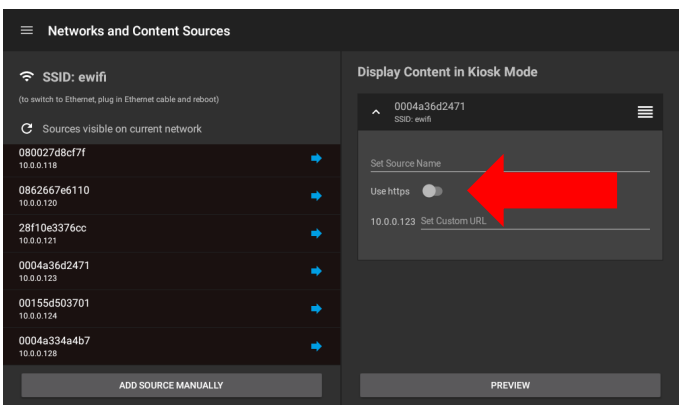
A. Insert USB with the Certificate loaded on it.

B. A Pop-Up will appear prompting you to type your Certificate Password.

C. If Correct password is Entered the Pop-up will disappear and the certificate is successfully loaded.

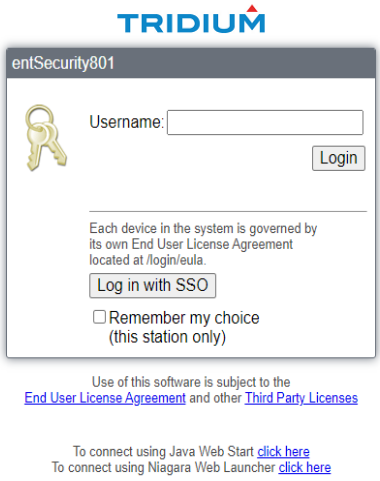
D. If incorrect password is entered the Pop-Up screen will prompt you again for the password.

E. Once Certificated is loaded , view the Niagara Station you need to make sure the source is displayed in the https Mode.



A. Previewing the Niagara Station,

- You will be asked for you credentials once entered click “Log in with SSO”
- Once you have logged in you will not require to log in again, in the future and will be directed straight to the Station
- If this has been achieved your certificate is working fine.



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J-TEQ Energy Ltd.
6 Bain Square, Kirkton Campus
Livingston, West Lothian, EH54 7DQ

01506 460555
sales@j-teq.co.uk
www.j-teq-energy.co.uk