Manuals+ — User Manuals Simplified.

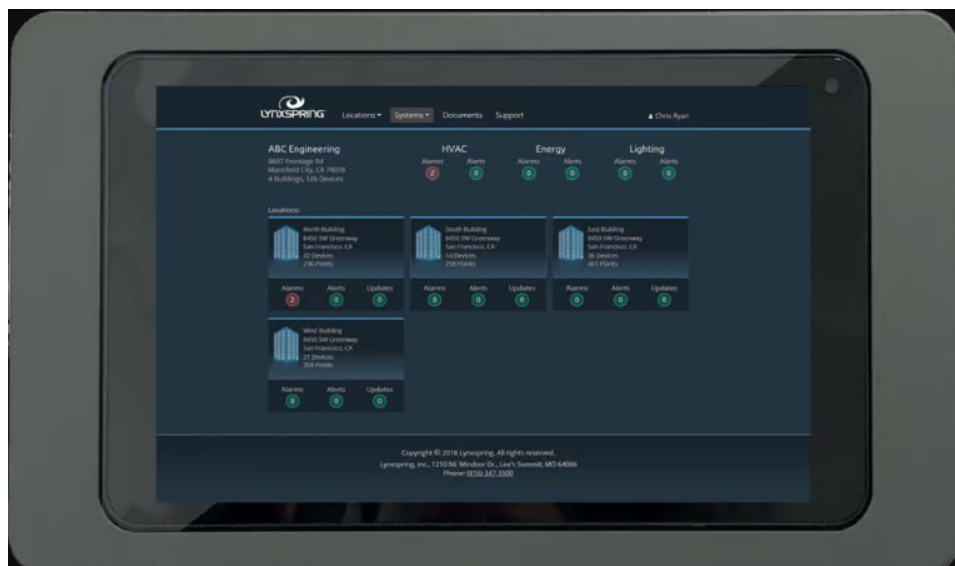# LYNXSPRING 200SM070 Touch Screen Display User Guide

Contents

LYNXSPRING 200SM070 Touch Screen Display

Product Information

The product is a touch screen display with a user guide. It is compatible with most HTML5 web servering products. The model number is 200SM070 V1.3.

Product Usage Instructions

Powering Up the Device

1. Connect a power source to the display.
2. Press and hold the power button until a popup display appears with options.

Once the installation of the display has been completed, a power source is connected, and the preferred communication method is known and available, power up the tablet by doing the following.

- Press the power button once quickly and release. The battery indicator should appear.
- Once the battery indicator is on screen, press the power button again, but hold the button on.
- When the battery indicator disappears and a screen showing 4 x penguins appears, release the power button.
- The unit will now power up.
- Any time while using the display, if you wish to power down or reboot the Source, press and hold the power button until a popup display appears to give you these options.

Setting the Locale

1. Turn on the display. If it's the first time or there are no historical settings, you will see a language selection screen. Choose the desired language. You can also set the time if needed.
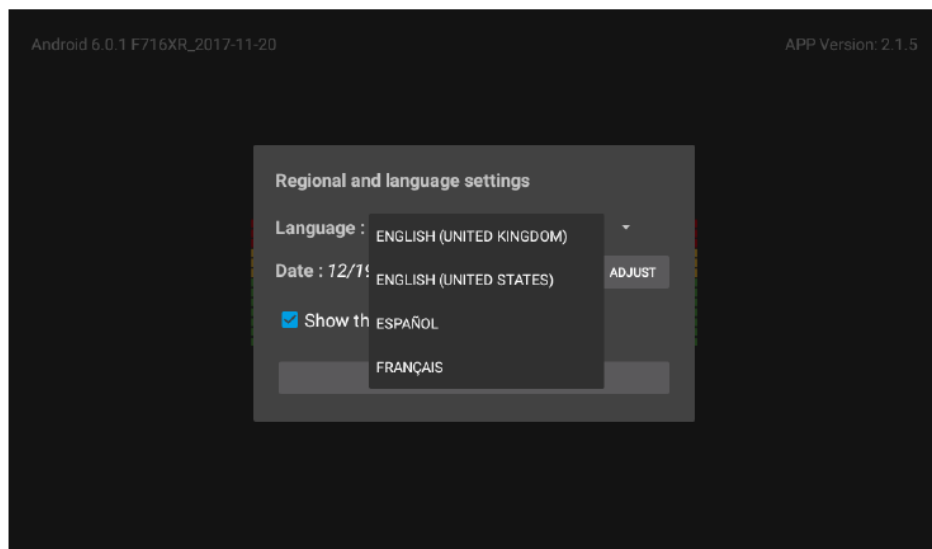
2. Untick the box if you don't want to see this dialog box again. Locale configuration is also available in General Settings.
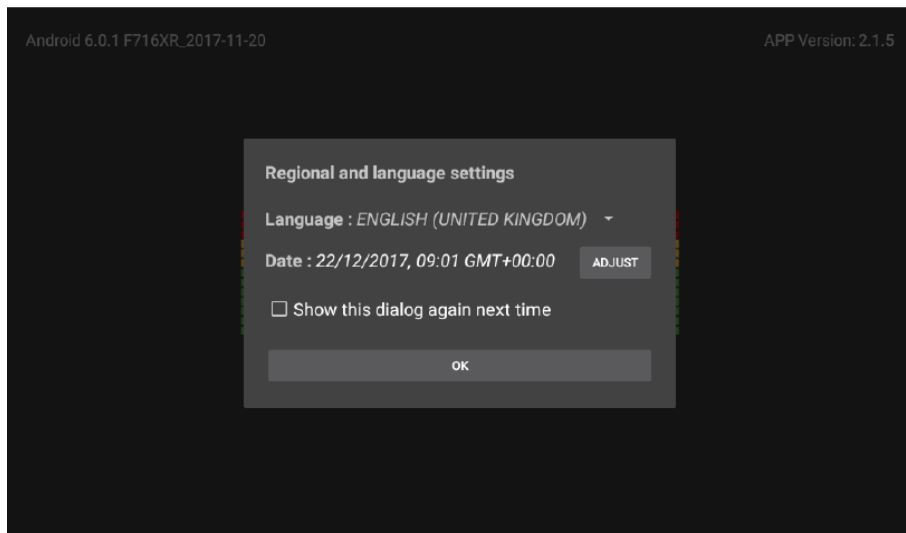
Connecting to a Network or Source

1. If there are no historical settings, you will see a screen asking for the connection type. Pick the desired connection type.
2. Select the network or source from the list that you want to connect to.
3. Enter the password for the network or source and click connect.
4. If WPS (Wi-Fi Protected Setup) is available on your network or source, select the top right tab and select "Advanced"..
5. Enable WPS on your source and select the WPS push button feature on the device at the same time.
6. Once connected, click "Next".
7. The application will search and find all the sources on the network.
8. Once the search and discovery is complete, the Networks and Content Sources configuration screen is shown. You can access the menu by selecting the button on the top left or swiping from the left edge of the screen.

General Display Settings

1. Select "General Settings" to configure various display settings.
2. To turn off dimming, set the dimming value to 0 or leave it blank. Make sure the brightness level and dimming level are the same.
   Note: If you turn off dimming, the display may be affected by temporary image ghosting if a static image is displayed for a prolonged period.
3. You can enable content browsers by selecting the desired option: Open content in Chrome Browser or Open content in Firefox Browser.

Selecting Sources

1. Once the display finishes its discovery mechanism, the found sources are displayed. They are listed with their MAC address and associated IP address, sorted by ascending IP address.
2. Select your source(s) from the list.
3. 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 (e.g., :8080).

Connecting to a Source attached to a router over Wi-Fi – DHCP enabled
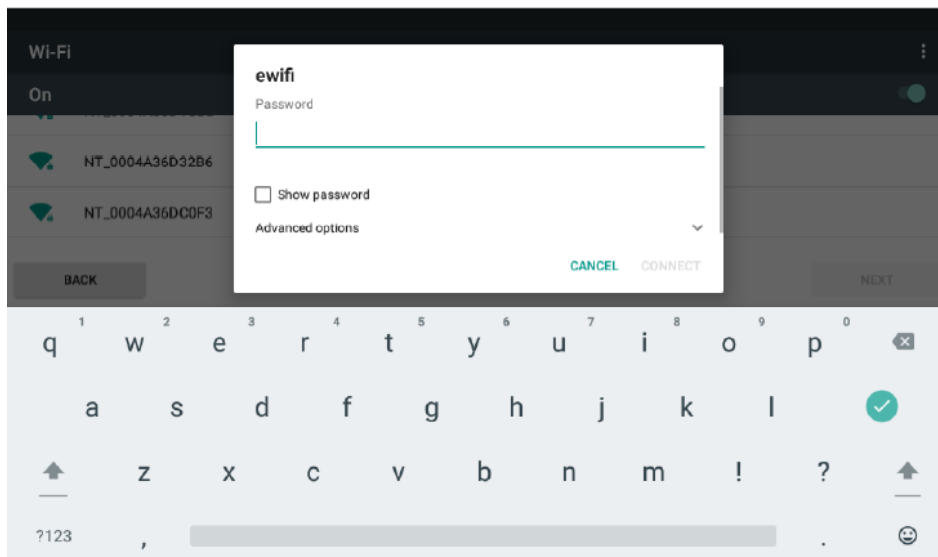
1. If there are no historical settings, you will see this screen. Pick the desired connection type:
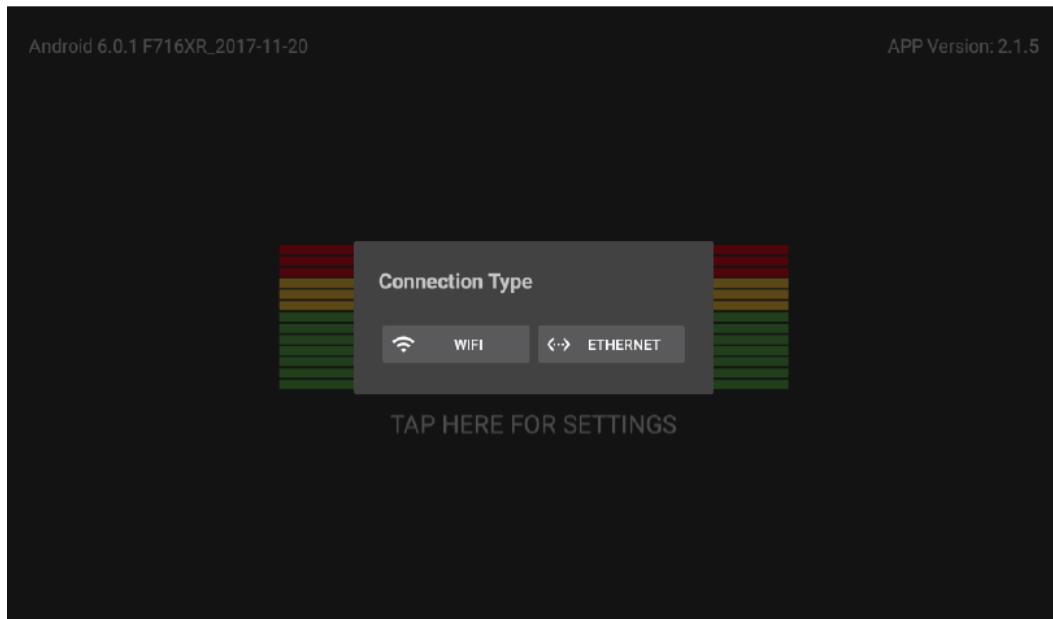
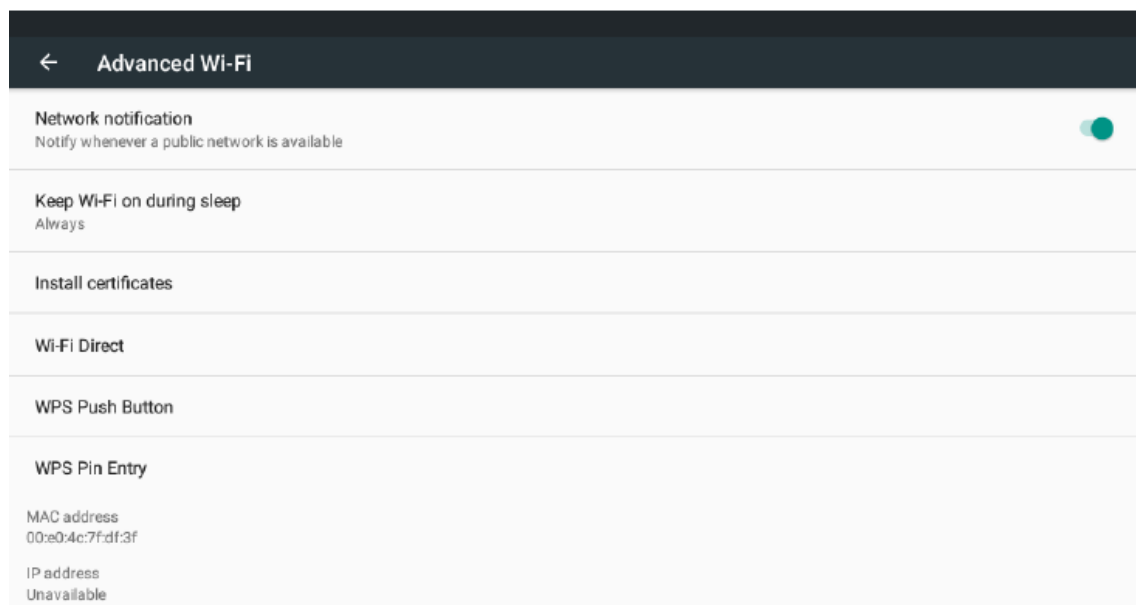2. Select the network or source you wish to connect to from the list.

3. Enter the password for the network or source and click connect:

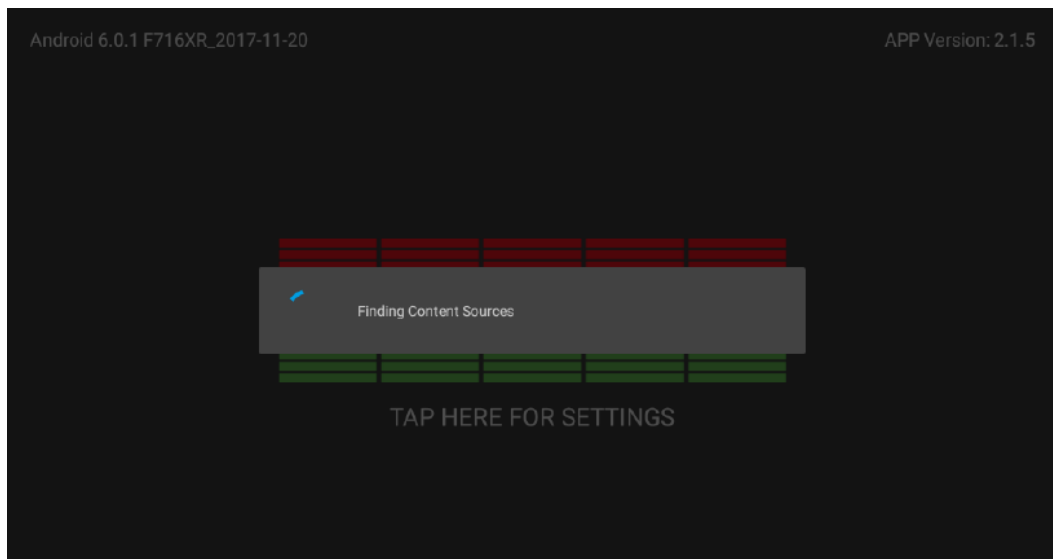4. If WPS is available on your network or Source, select the top right tab & select 'Advanced'

5. Select the WPS push button feature and enable WPS on your source at the same time:
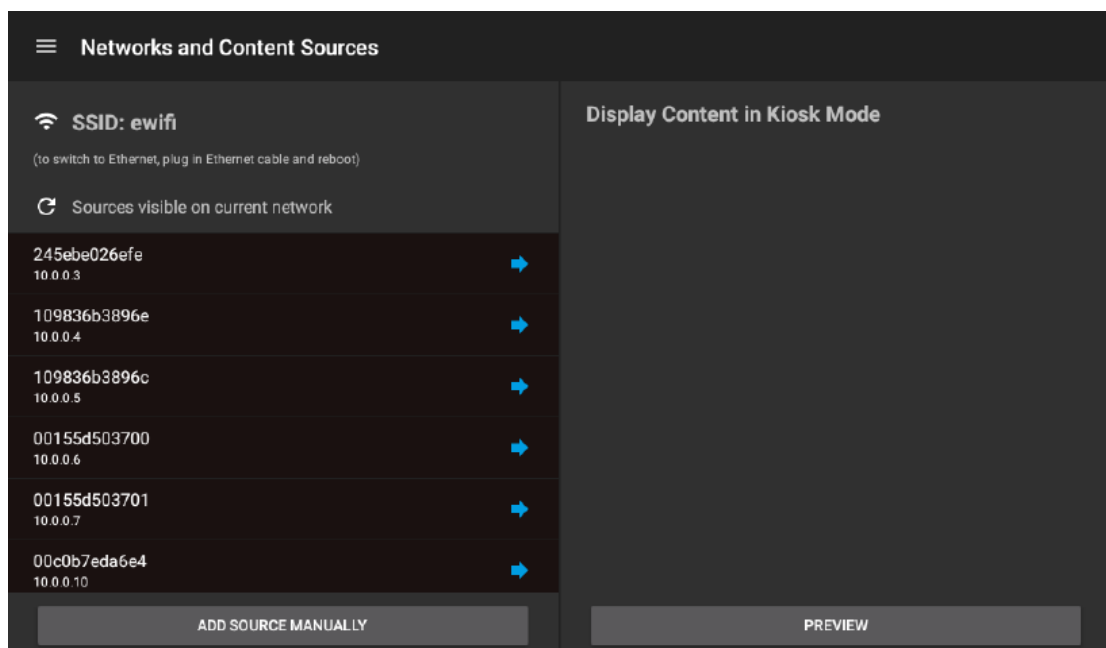

6. The WPS system should now connect. Once connected, click 'Next'

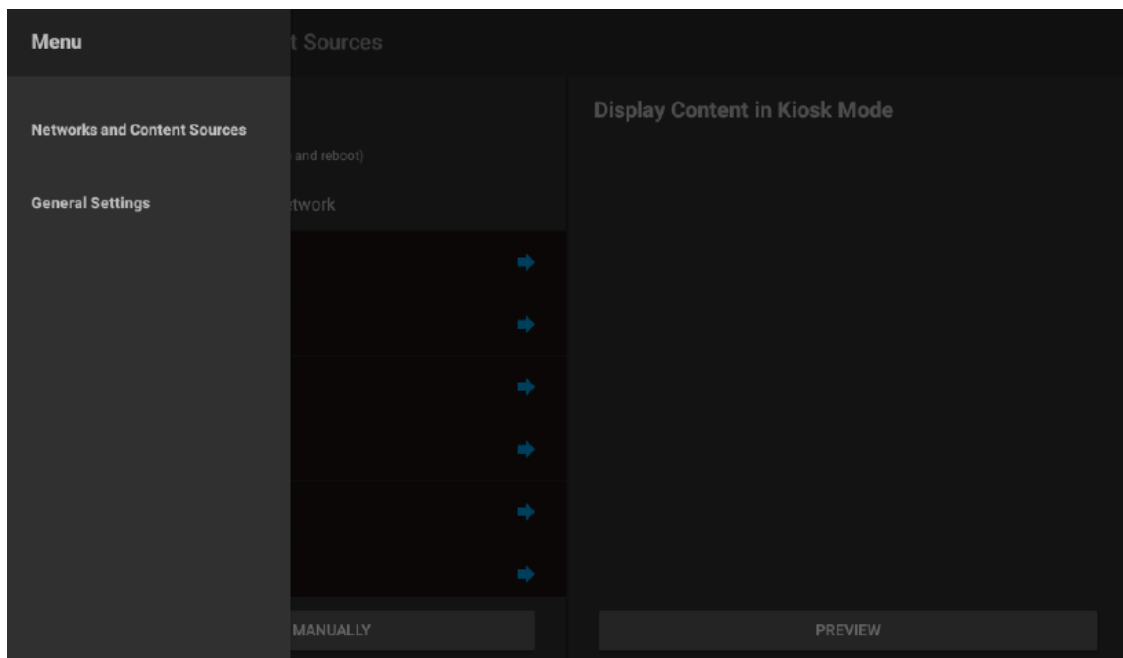7. The application will search and find all the Sources on the network:

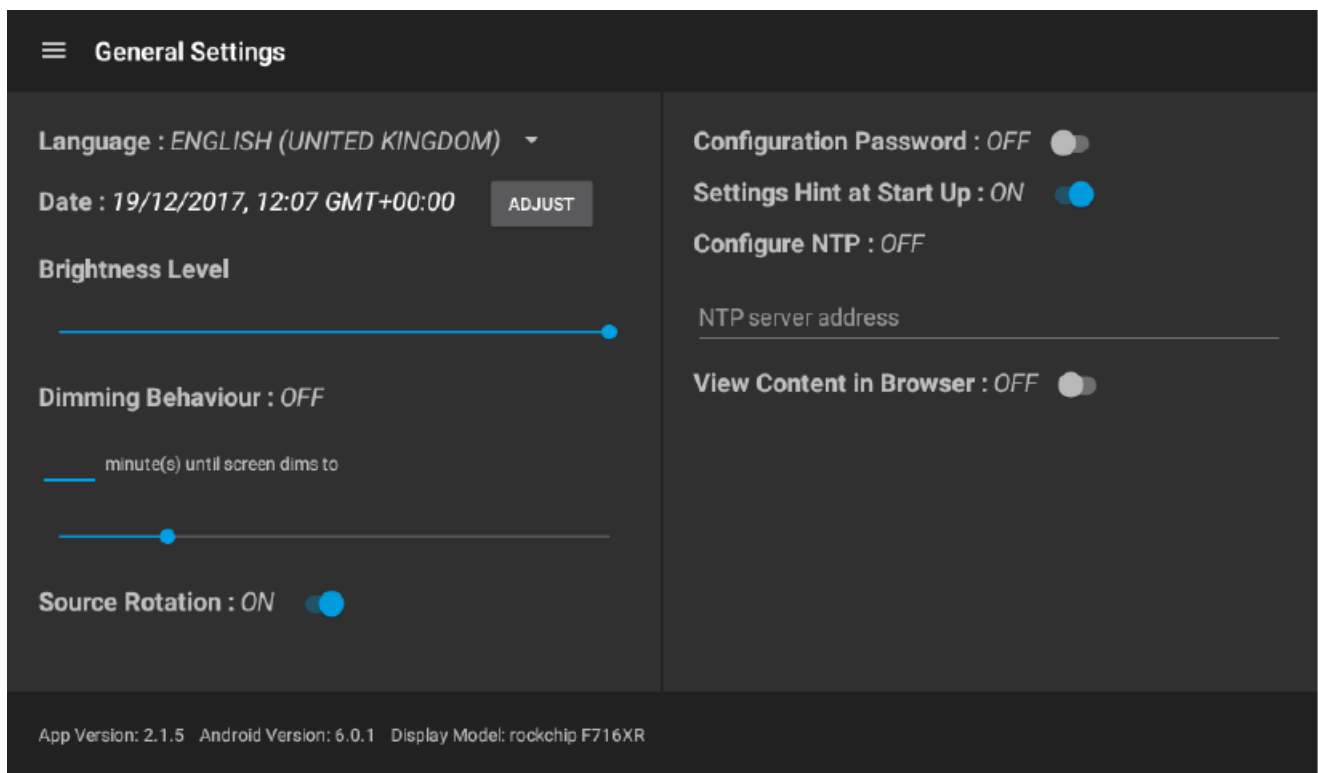8. Once search and discovery is complete, the Networks and Content Sources configuration screen is shown:

NOTE: Select the ☰ button (top left) or swipe from the left edge of the screen to access the Menu.

9. Various display settings can be configured by selecting General Settings:

10. General Settings

- Change the language.
- Change the Date / Time / Time Zone.
- Adjust the dimming behaviour,

  To turn dimming off:
- Set the dimming value to 0 or blank
- Make the brightness level and dimming level the same

  NOTE: if you turn off dimming, the display may be affected by temporary image ghosting if a static image

  is displayed for a prolonged period.
- Switch off source rotation enabled if more than 1 source has been configured. Default is ON.
- Enable the password for the configuration screen.
- Add an NTP server if required.
- Configure how you view content served by saved sources. Detailed further in point 13
- To change the Date or Time, click 'Adjust'.

- Deselect Automatic date & time and time zone, then adjust as required. Reselect Automatic buttons once finished, then click next.
  Enabling content browsers. By default, this is off. The content will be displayed by the Kiosk browser, within Lynxspring APP. This gives a full browser experience in a full frame environment. If, however your content design is such that you need or prefer to use a typical internet browser, the options below are available.
- Open content in Chrome Browser
- Open content in Firefox Browser
  Selecting to enable this function, presents either of these options.

- Once you have selected your browser & are happy with all the other settings, return to the Network Settings page.
11. Once the display has finished its discovery mechanism the Sources found are displayed, they will be listed showing the MAC address and the associated IP address. The list is sorted by IP address in ascending order. Select your source or sources
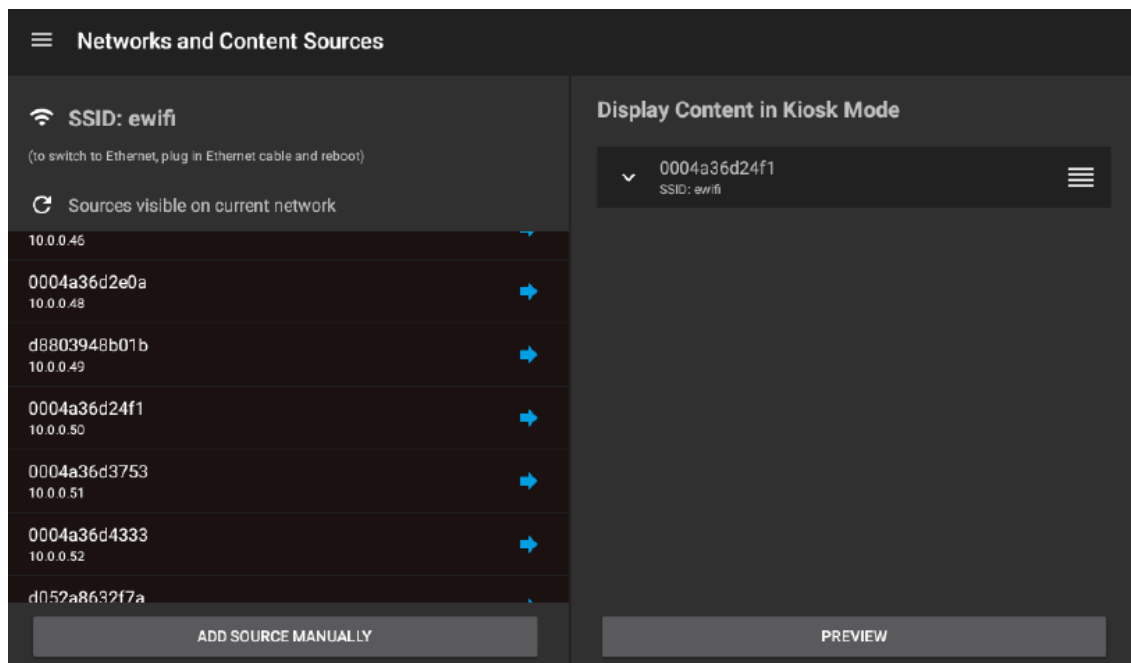
- **Note:** any number of sources can be selected, or if desired, the same source can be selected numerous times, with a different manually added URL. For example, different sources or different pages from the same source.

12. 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.

  NB: If any sources are expanded when preview is clicked, the application will automatically save any changes that have been made to that source.
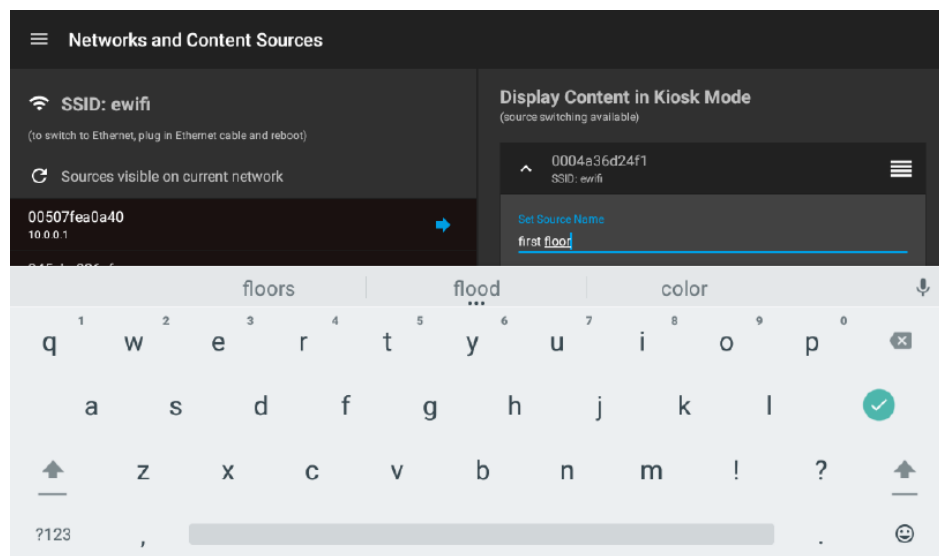
  Example:

  Source name – first floor

  Https – yes

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

  Expand the source you want to configure
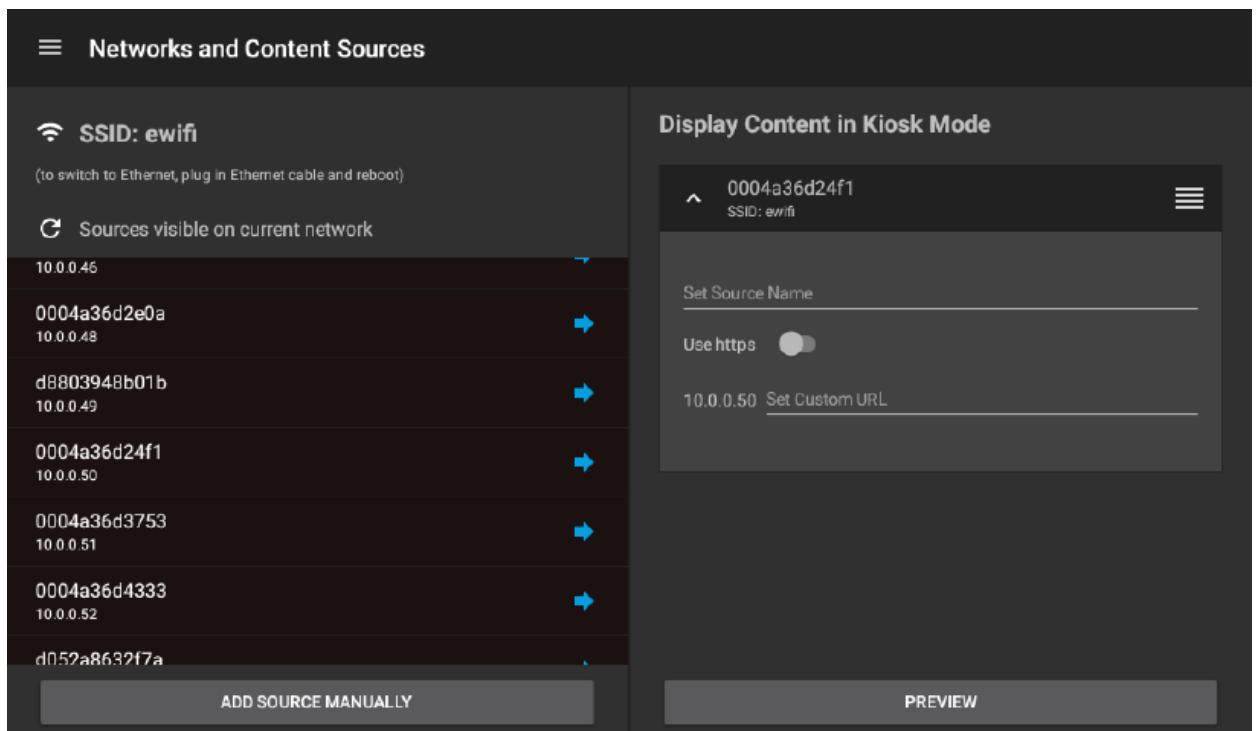
Set the name

Enable https

Set custom url including custom port number
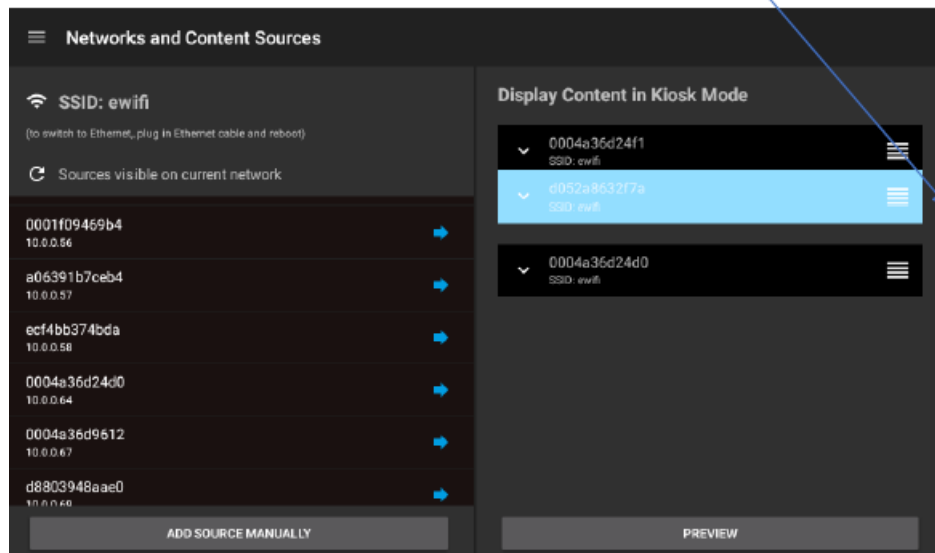

Collapse the box to save
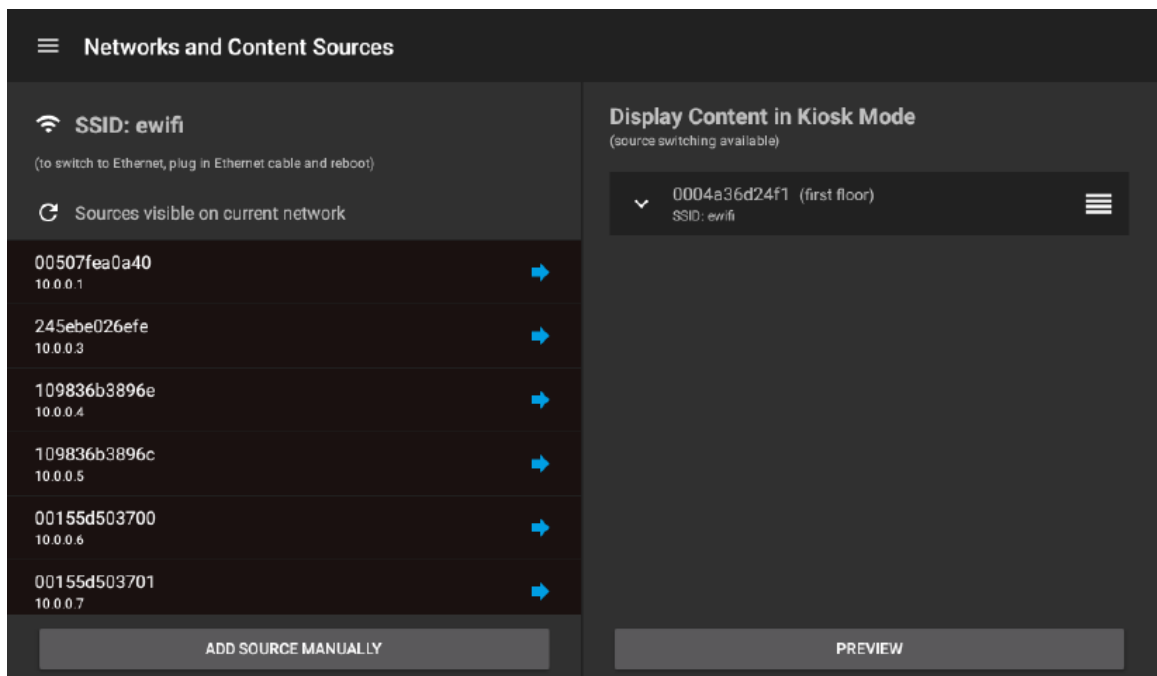
13. Repeat steps 13 and 14 for each source you want to configure.
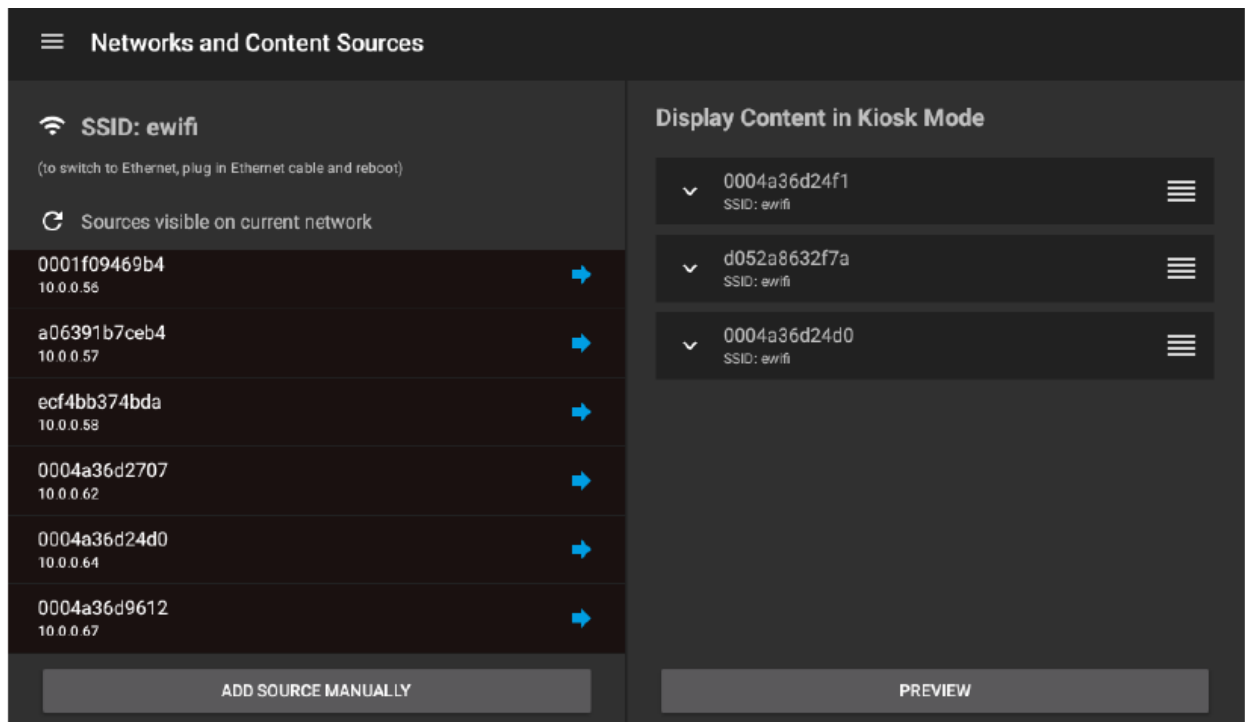
14. To reorder press and hold the drag and drop handle found on the right of each saved source, then drag up or down. The source at the top of the list is always displayed first.

15. 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.
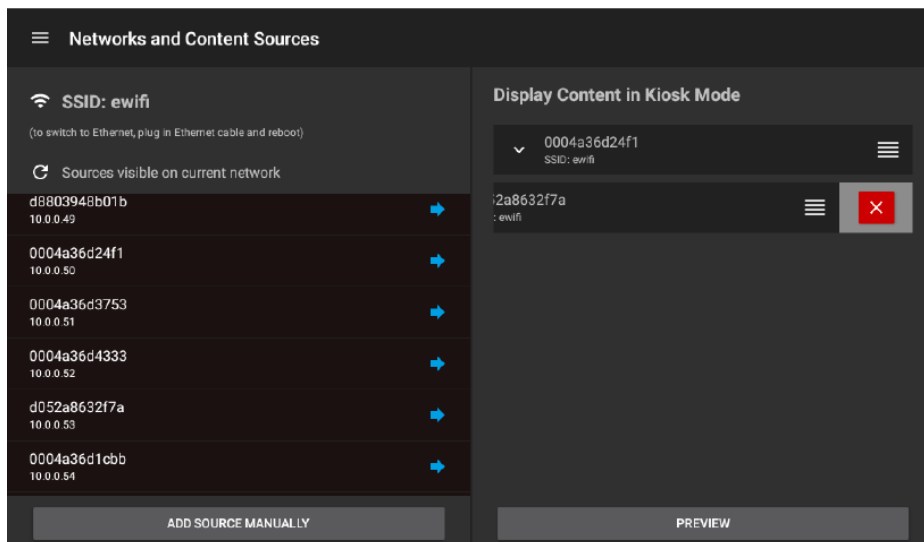

16. Sources can also be added manually by using the 'Add Source Manually' button.
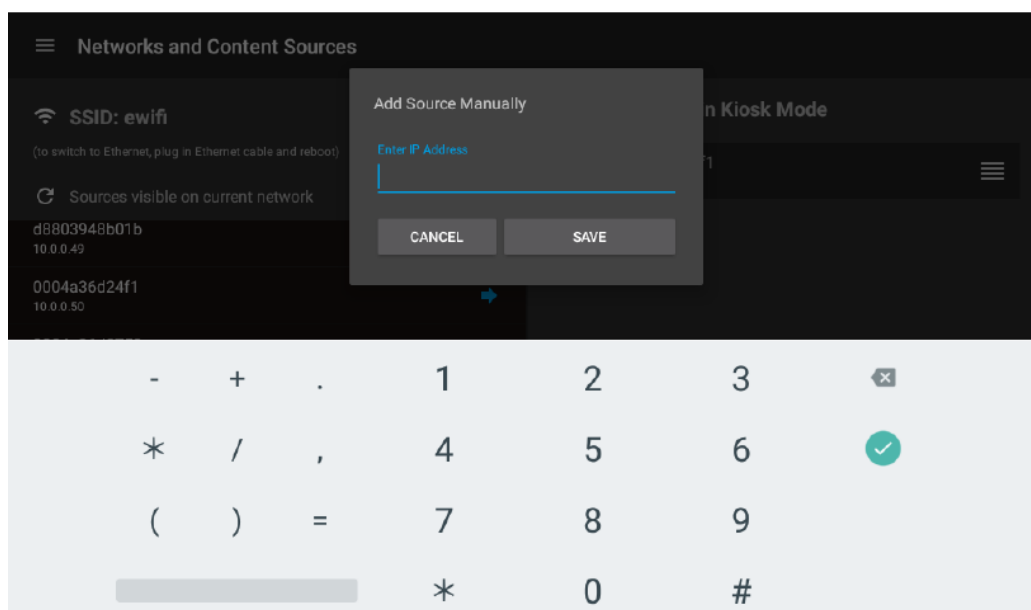
17. After clicking preview, web content from the top saved content source is displayed. A preview bar is display giving you easy access back to the Configuration screen.
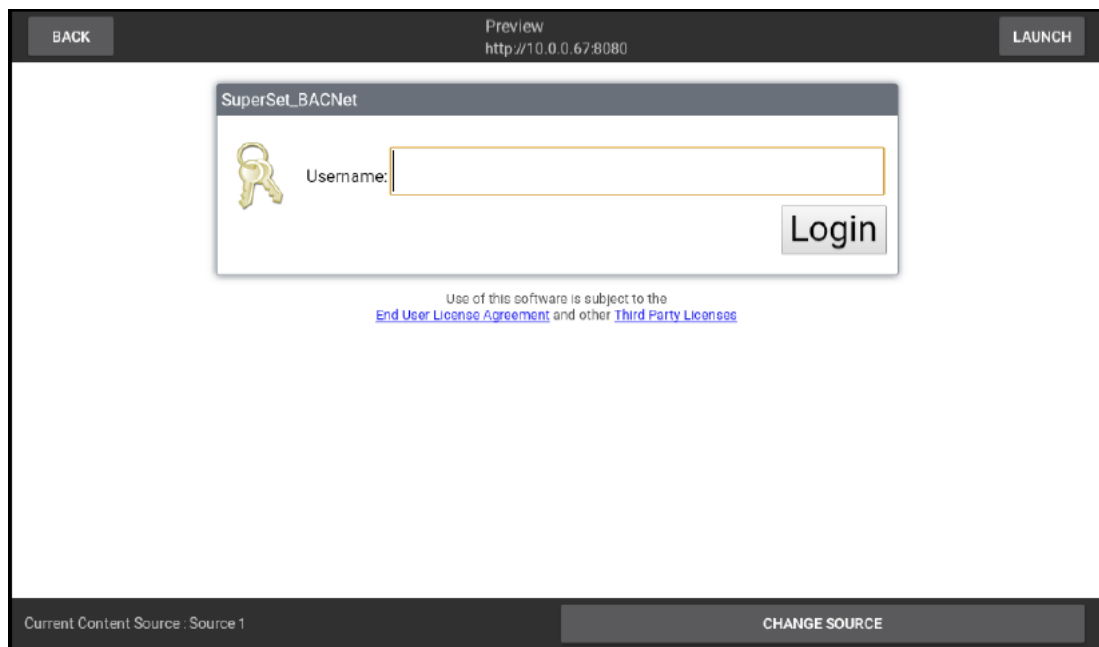
- If you have chosen more than one Source at launch point, then an additional ribbon will be superimposed at the bottom of the loaded screen, as above. This displays the current Source name, with a button offering you the ability to swap between Sources quickly. If clicked, the below screen will show a list of 'pre-loaded' Sources. Select the desired one and it will load up accordingly.
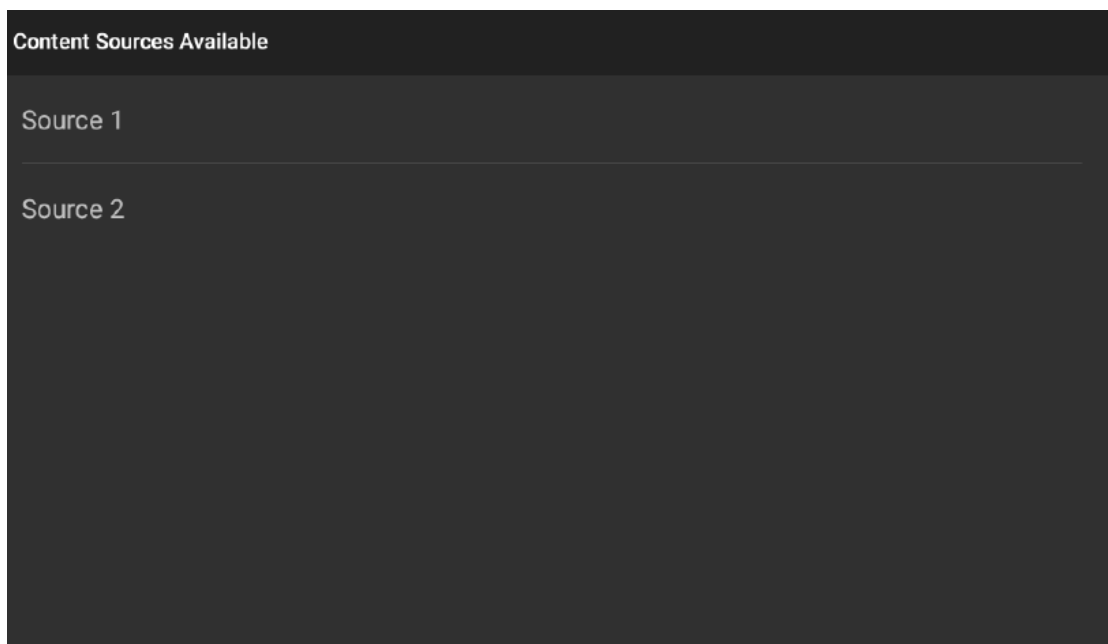

18. When you are happy with the loaded content, click launch. Clicking 'No' will simply close the dialog. Clicking 'Yes' will put the display kiosk mode and a reboot will be required to make any further changes.
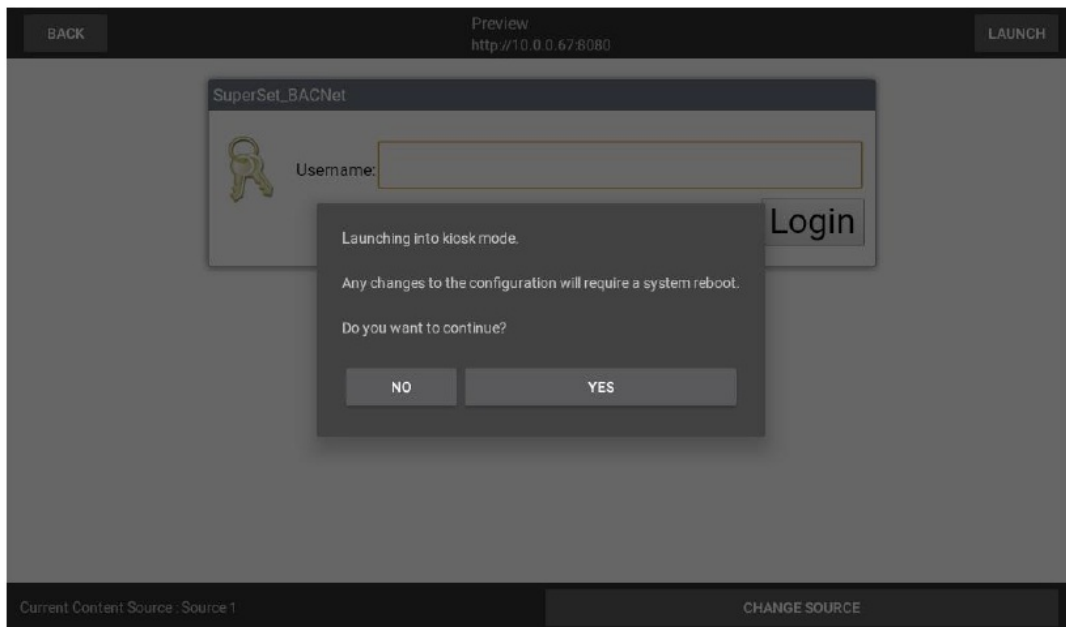
19. If you have selected to view content within a browser, such as Chrome, then the display will start the content within this browser. For convenience, the APP will create a web page at launch, displaying all the Sources you have enabled at the launch screen.
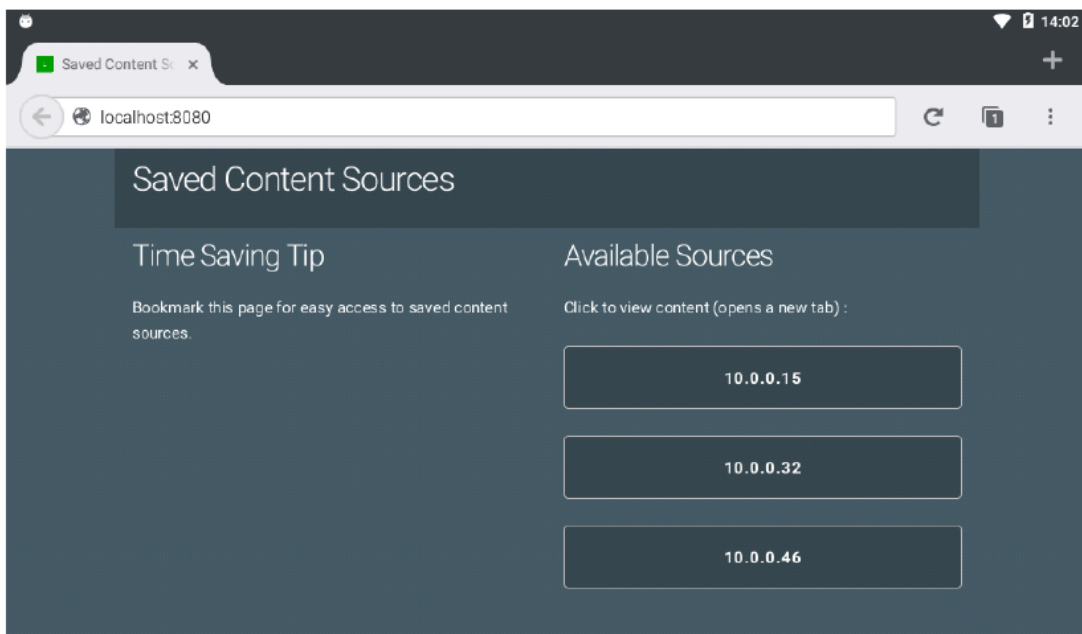

For speed and ease going forward, it is suggested this page is bookmarked on first loading. Clicking on the tabs for any of the Sources added, will launch that content in a separate Tab. If you need at any point to change the network connection or change the launch sequence, re-boot the display by pressing the power button once only. When you see the Lynxspring splash screen below, tap the screen and the system will return to the network setup screen, where you can adjust to your requirements. You will see a message saying, 'Config Mode Active'. The settings hint can be turned off in General Settings.
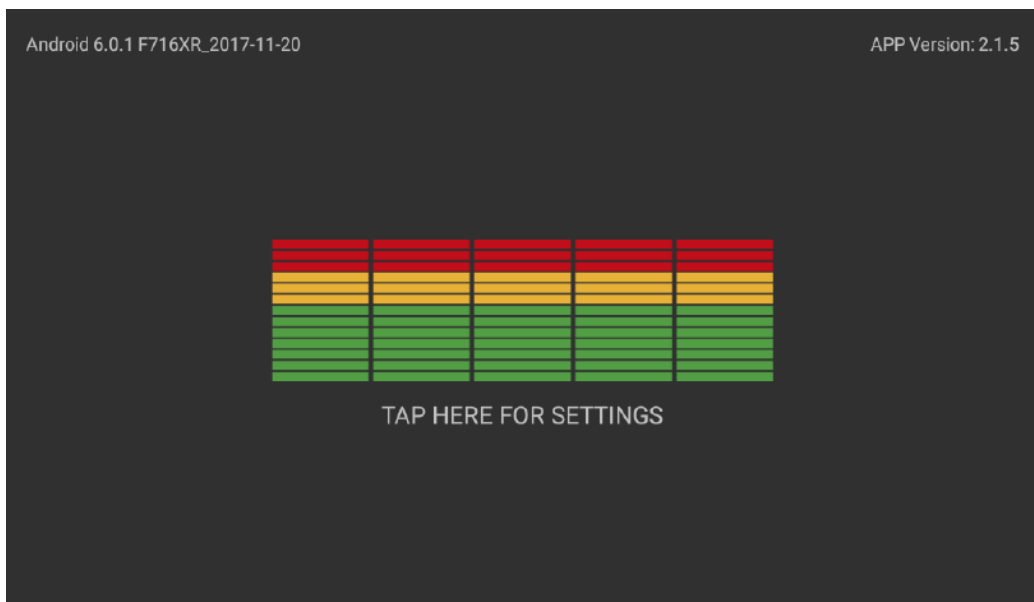
- The version number of the APP can also be seen top right during the splash screen, if required or requested.
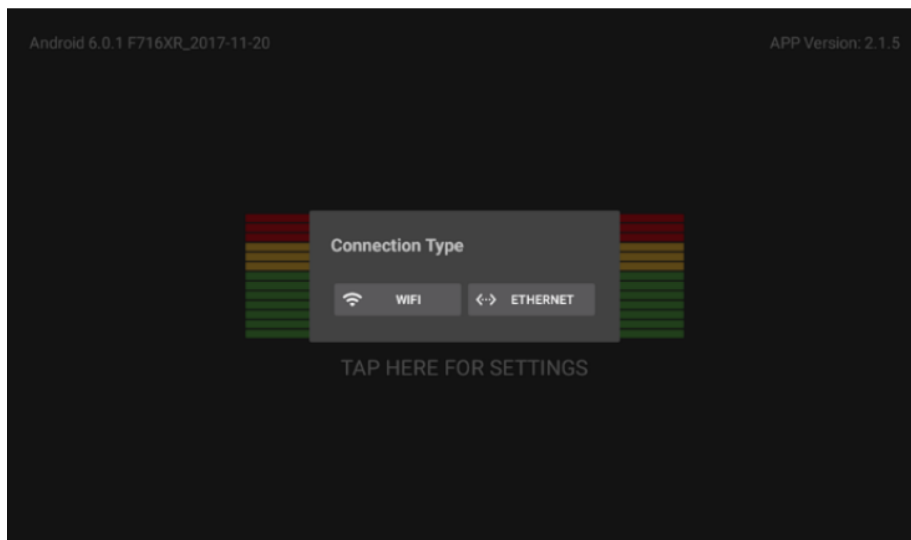
If you have enabled the password for the settings screen, the login page will appear after tapping the splash screen. The password is 'ipd_admin'
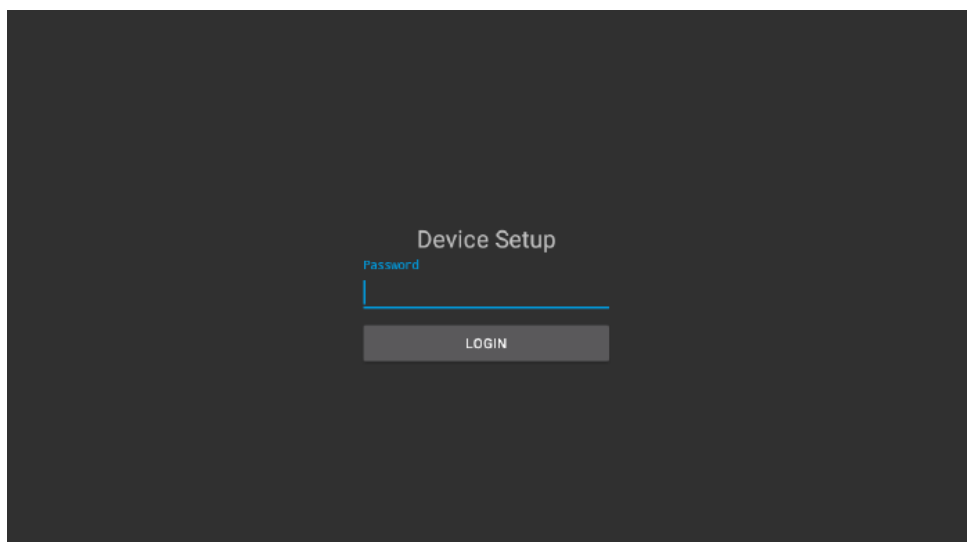
The operation of the Display, as detailed to this point, are typical of all network connection methods. Please refer to the specific area of the document for your connection type and return to this section once connected.

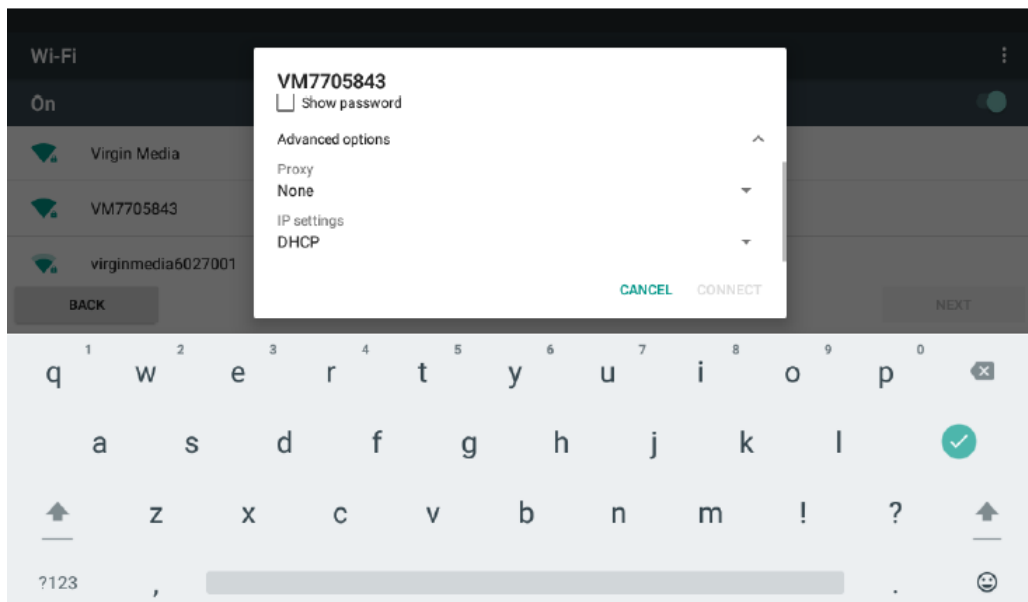**Connecting to a Source attached over Wi-Fi – Static IP Enabled**
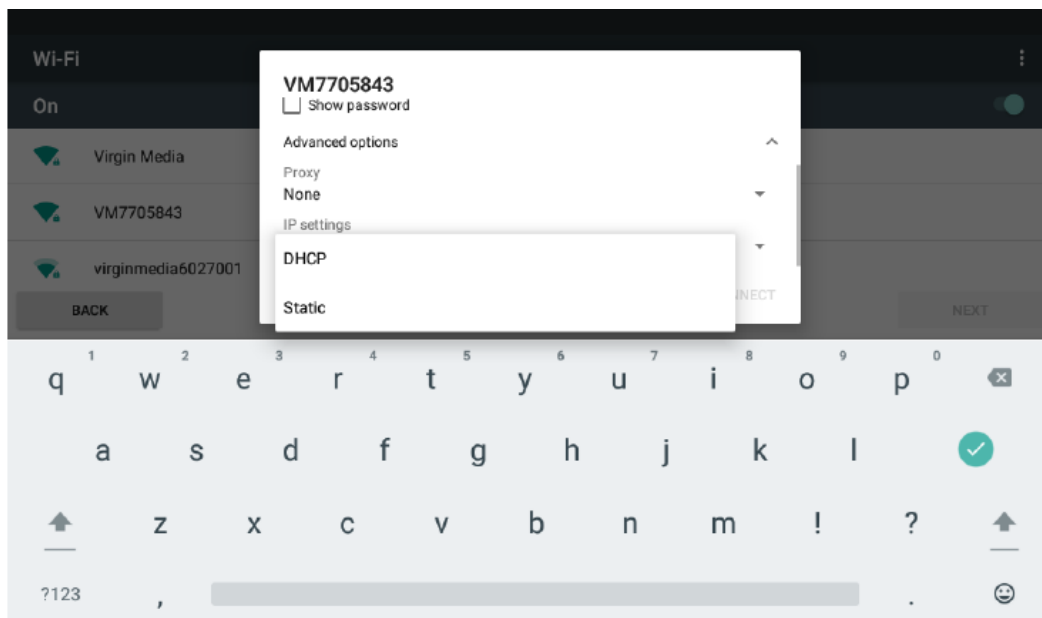
1. Turn on the display

Connection Type

WIFI   ETHERNET

TAP HERE FOR SETTINGS

2. Select the network

Wi-Fi

On

NT_0004A36D24F1

NT_0004A36D427C

NT_0004A36D1D18

NT_0004A36D37AE

MikroTik-66DE92

NT_0004A36D20AF

NT_0004A36D479F

NT_0004A36D1620

BACK   NEXT

3. Click Advanced options and scroll down

Wi-Fi

On

Virgin Media

VM7705843

virginmedia6027001

BACK   NEXT

VM7705843
☐ Show password

Advanced options   ∧

Proxy
None   ▾

IP settings
DHCP   ▾
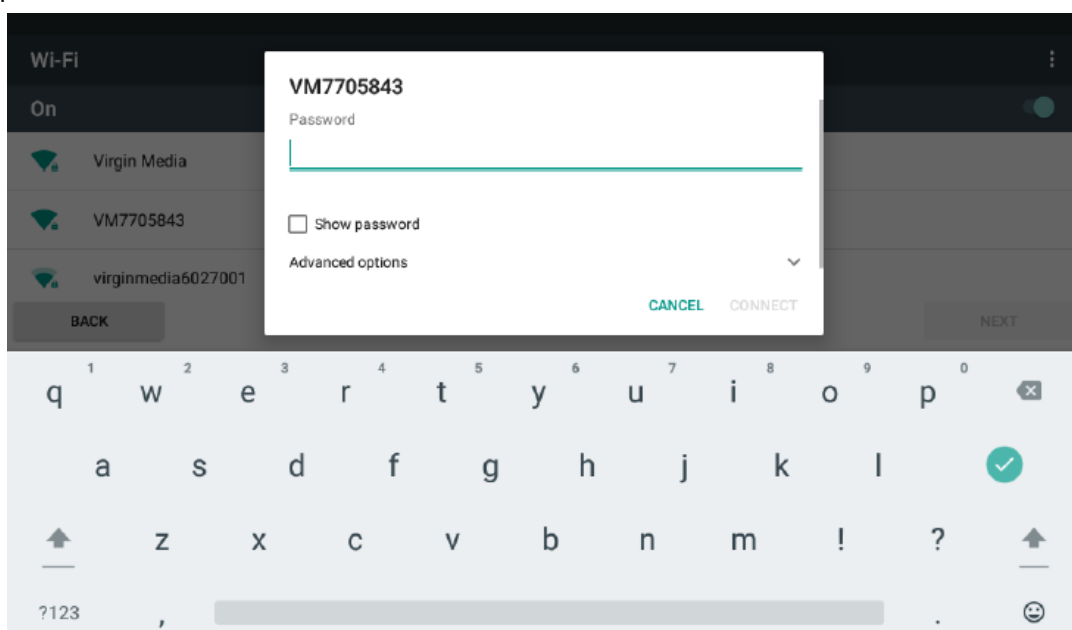
CANCEL   CONNECT
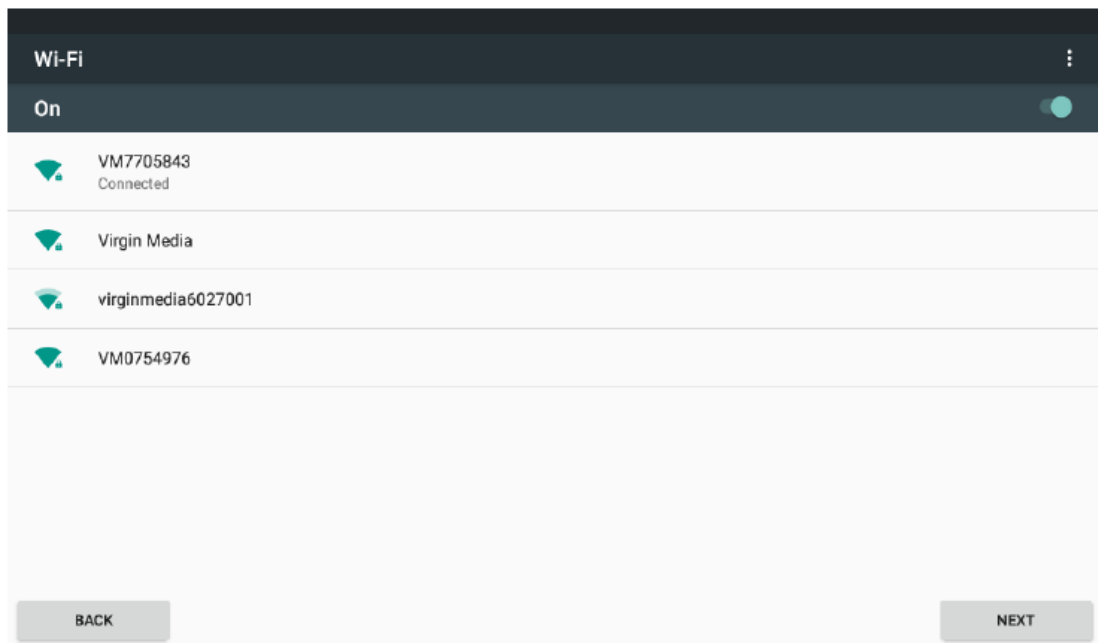
4. Select static

5. Give the display a Static IP to use on the network. Add other custom values if required, for example DNS 1.
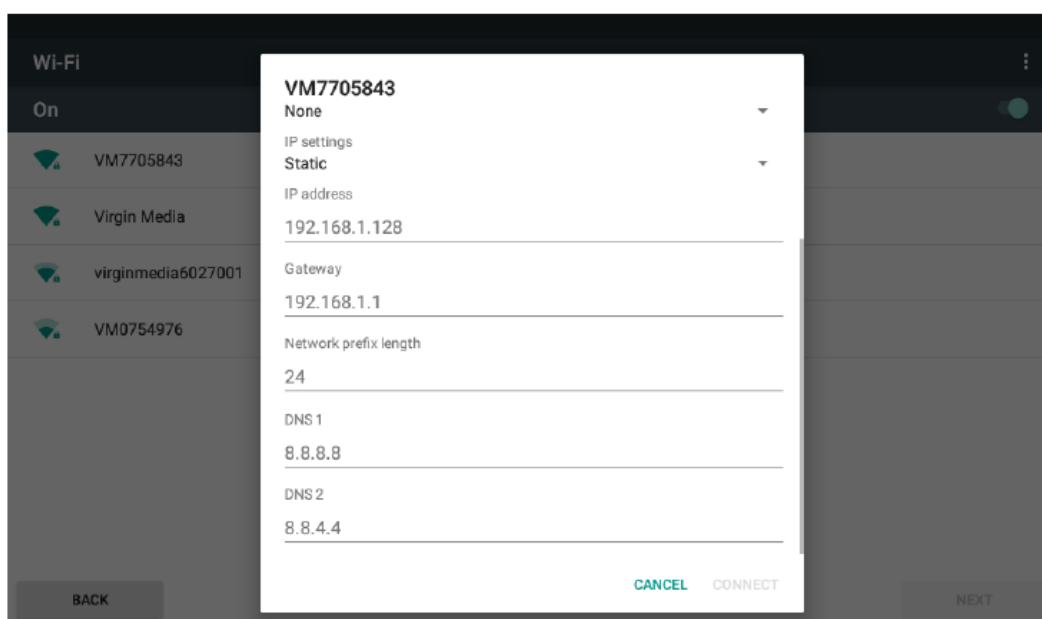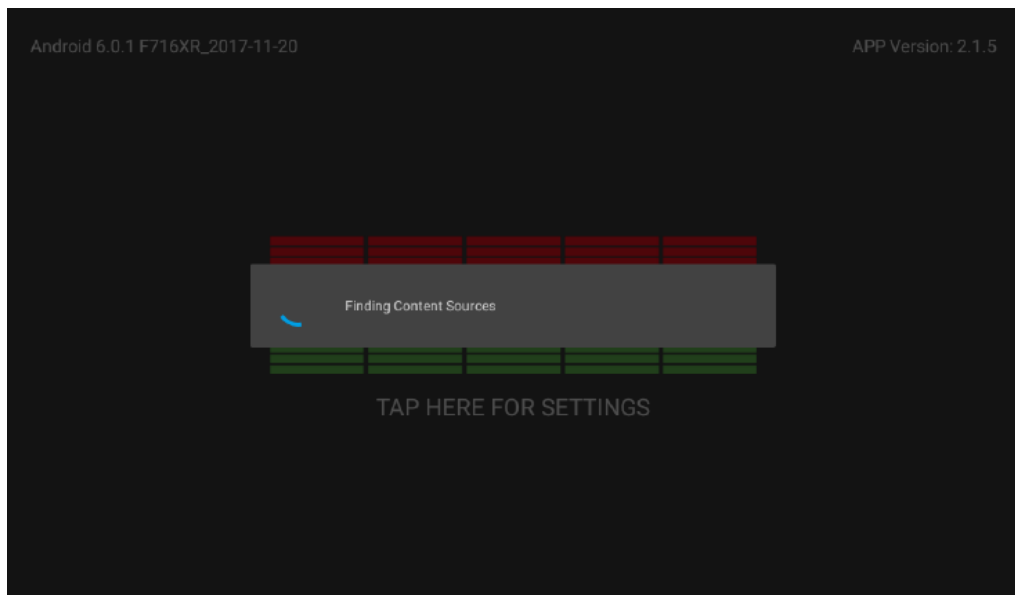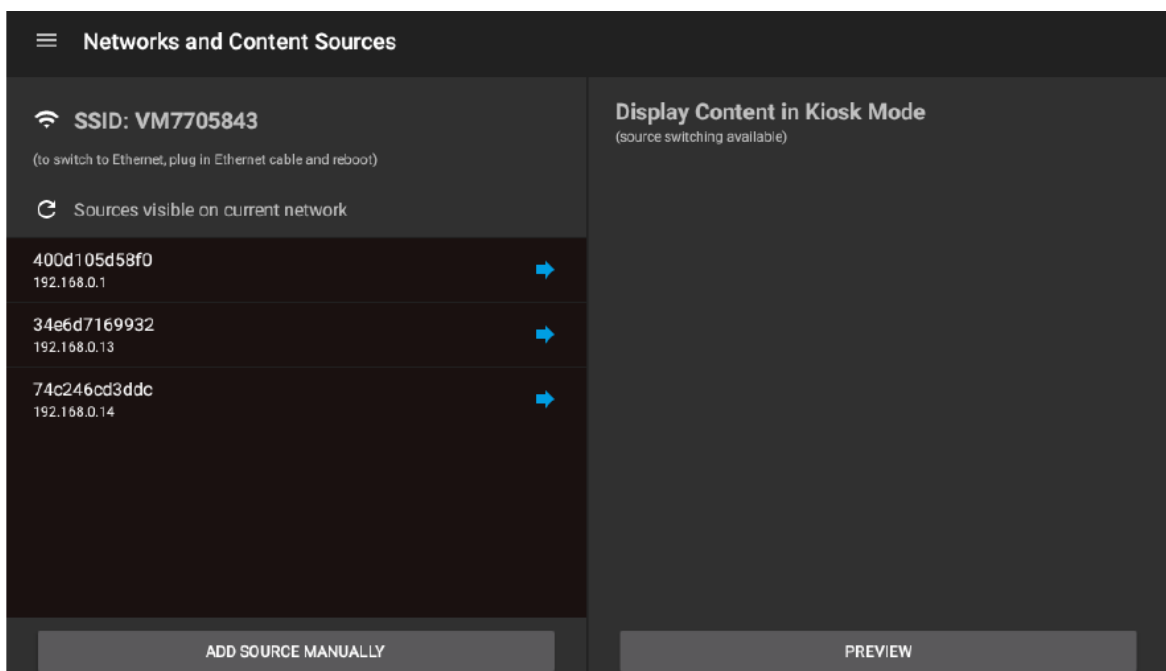

6. Enter the password and click connect

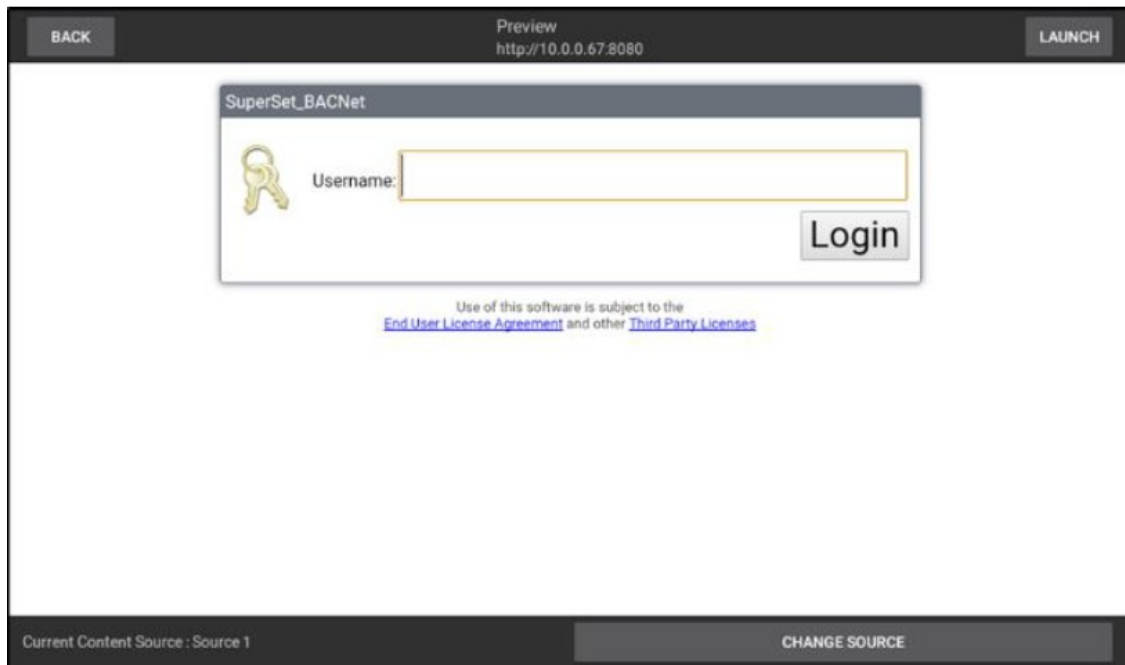7. Once connected to the network click next

8. The application will find all the Sources on the network

9. The Networks and Sources configuration screen is shown

10. After clicking preview, web content from the top saved content source is displayed. A preview bar is display
giving you easy access back to the Configuration screen.

11. When you are happy with the loaded content, click launch. Clicking 'No' will simply close the dialog. Clicking 'Yes' will put the display kiosk mode and a reboot will be required to make any further changes.
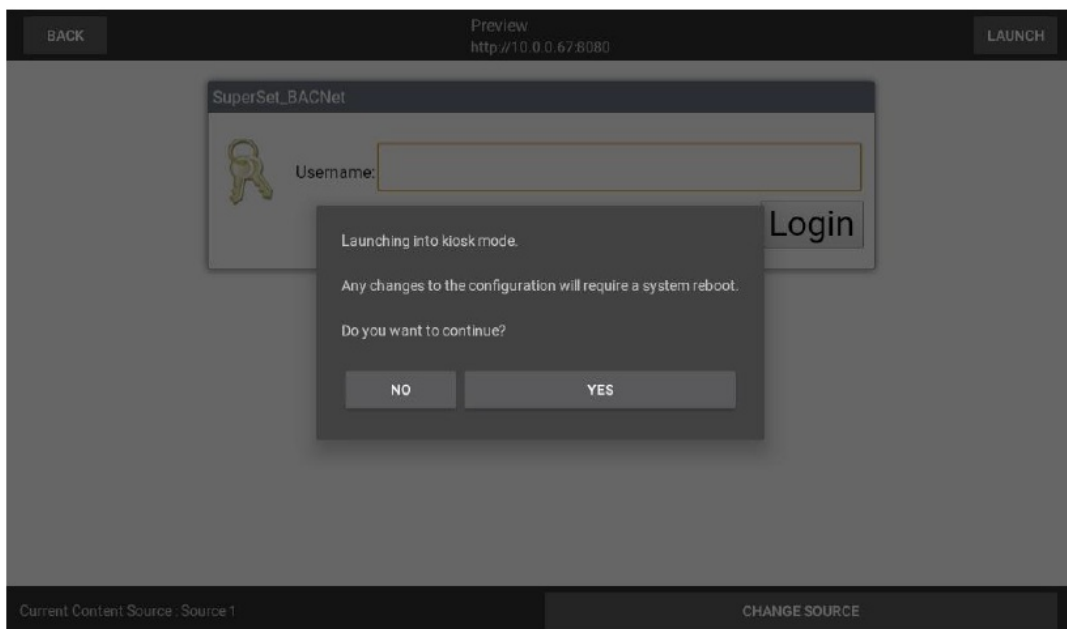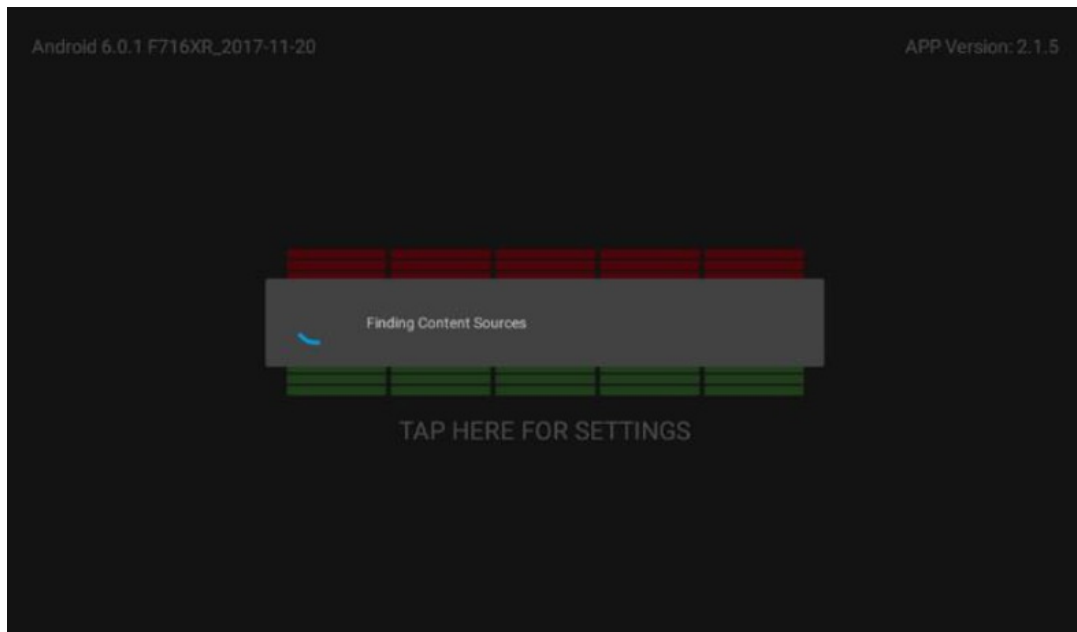

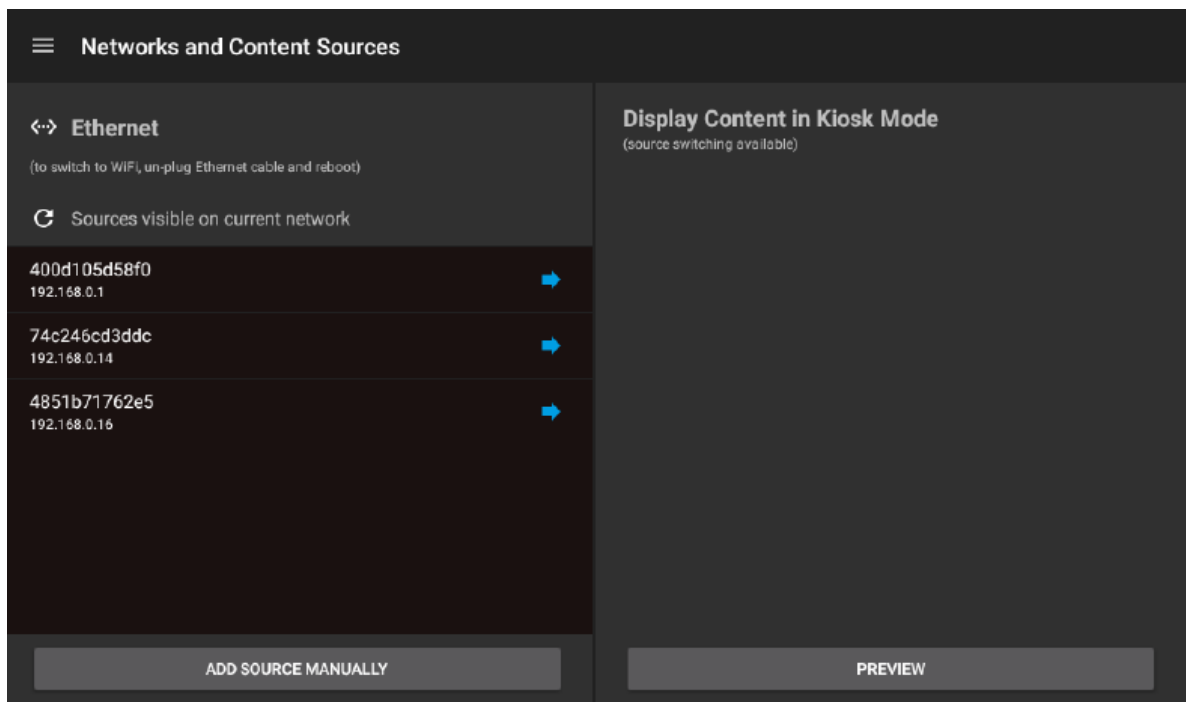12. After clicking launch, the Web App from the Source is displayed.

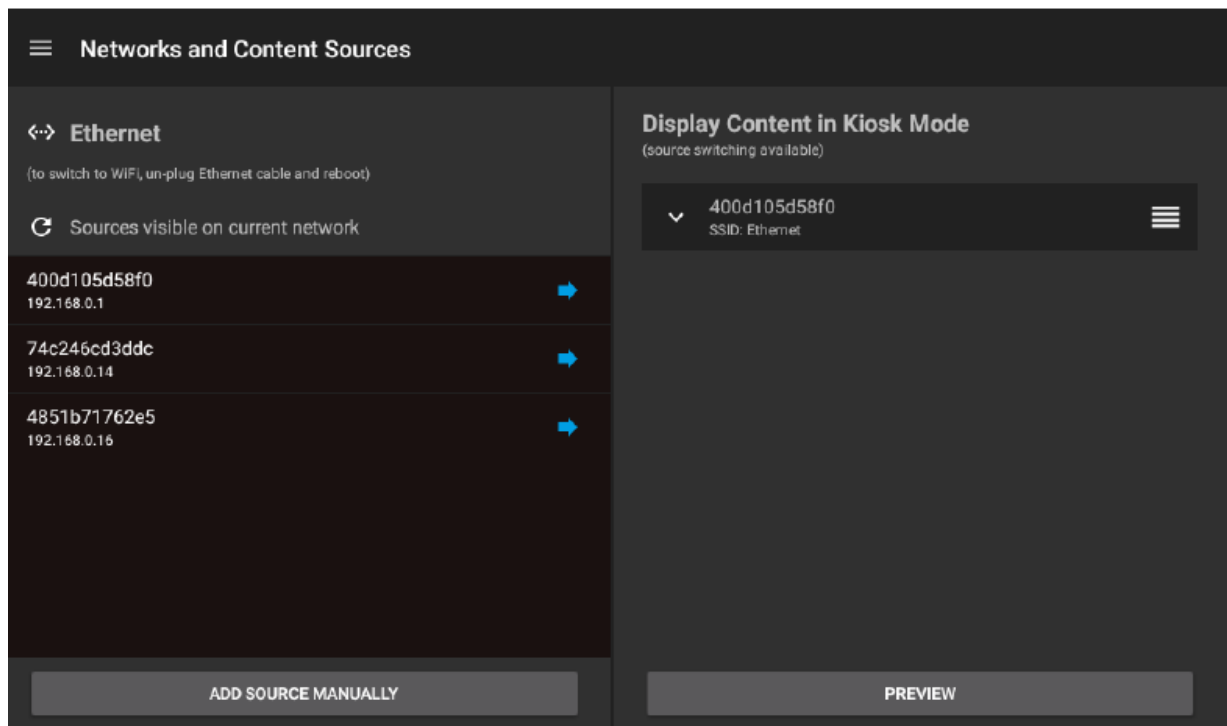## Connecting to a Source over Ethernet – DHCP enabled

1. Boot the Source when connected via Ethernet. The connection type dialog is bypassed and the display finds all the Sources on the LAN.
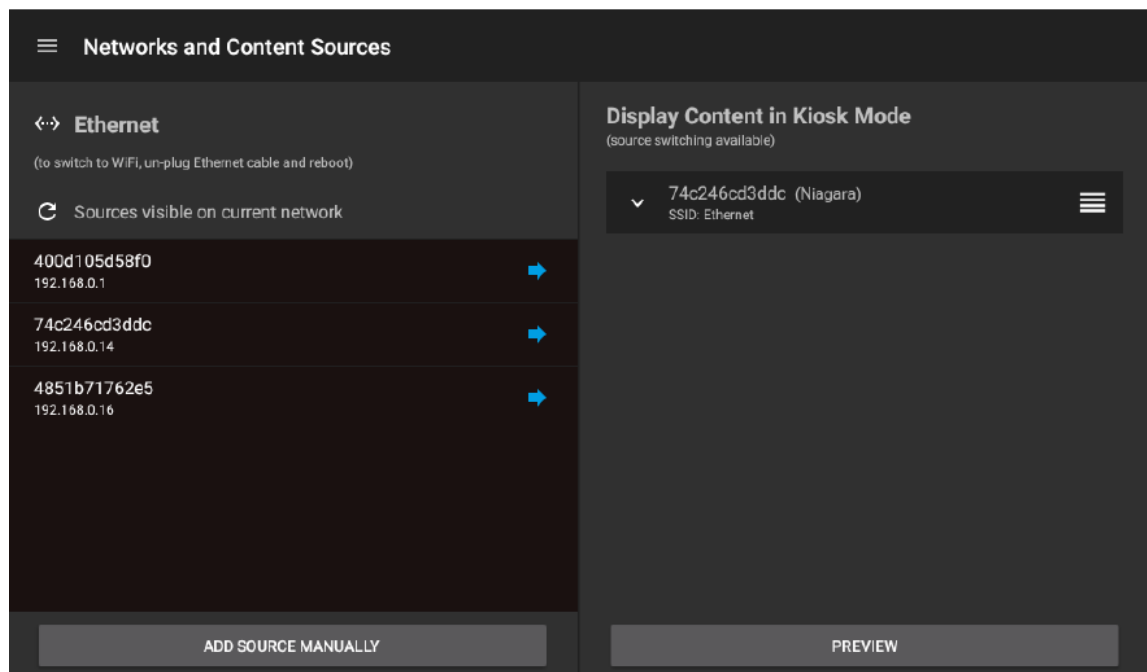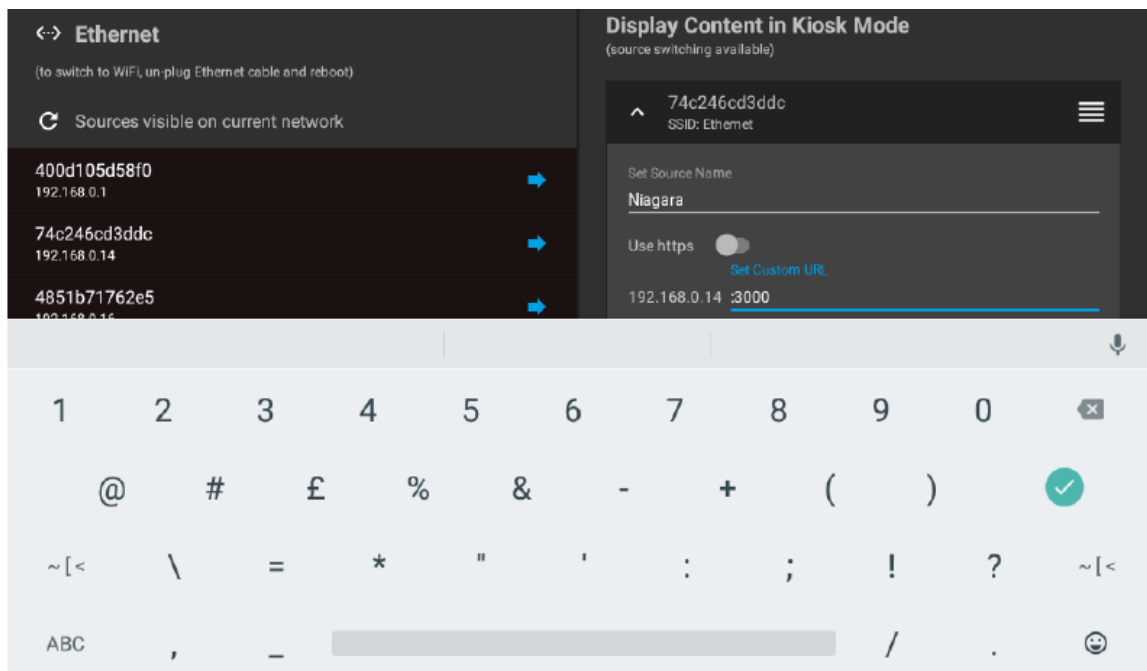

2. Networks and Sources screen displaying all discovered Sources on LAN

3. Scroll to find the Source you want to connect to and click the blue arrow

4. Set the name and/or custom URL. This is where any ports are entered. In this case :3000 for the Niagara box we are connecting to

5. Once the source has been previewed and you click launch, the app will display whatever content the source serves. In this case the Niagara login screen.
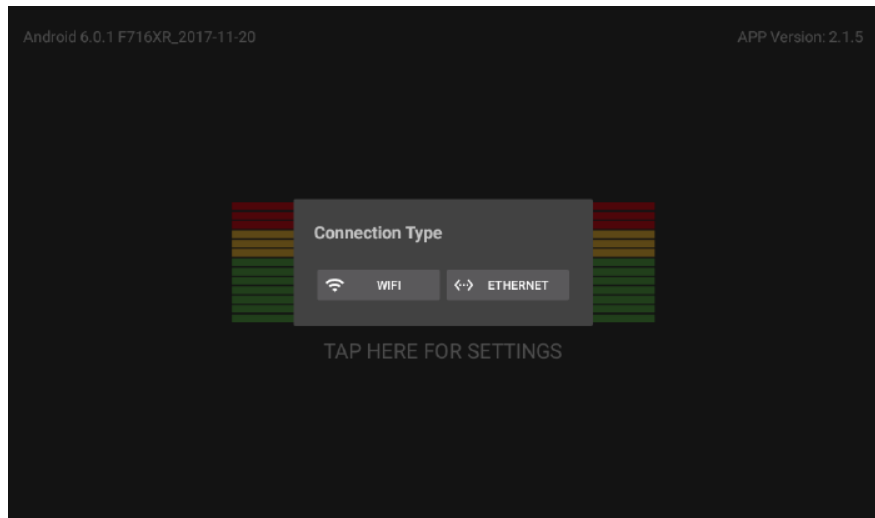

Connecting to a Source over Ethernet – Static IP Enabled

1. Boot the Source when connected via Ethernet. There is no DHCP so the connection type dialog is displayed
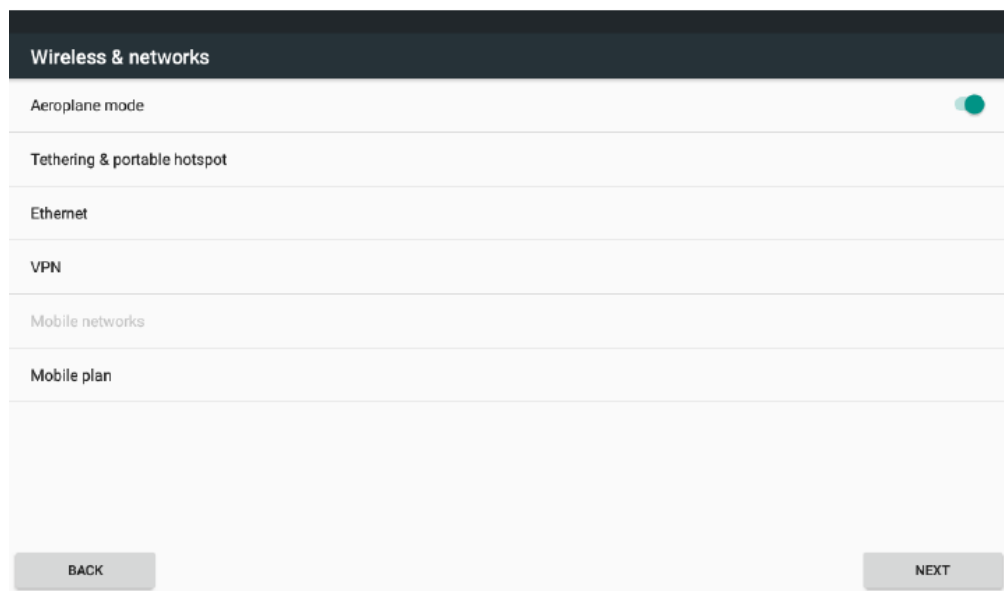   **What are the allowed IP address ranges?**
   The display can be configured for the following private IP patterns:

- 10.0.0.0/8
- 172.16.0.0/12
- 192.168.0.0/16
- 169.254.0.0/16 (from version 2.1.7 of the display software onward)

2. Select Ethernet from the list to administer the network settings

3. Scroll to the bottom of the screen and select Ethernet IP mode. Select the desired option.
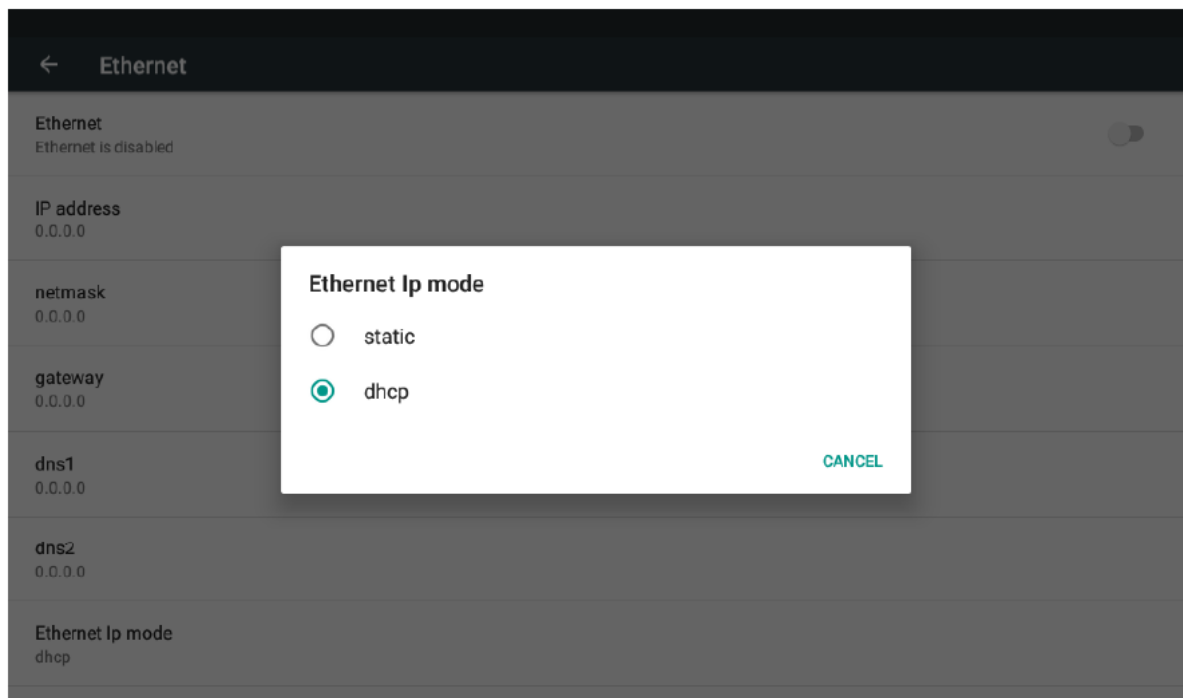
4. Enter network settings for static Ethernet connection. A value must be added to each field before the settings can be saved.

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

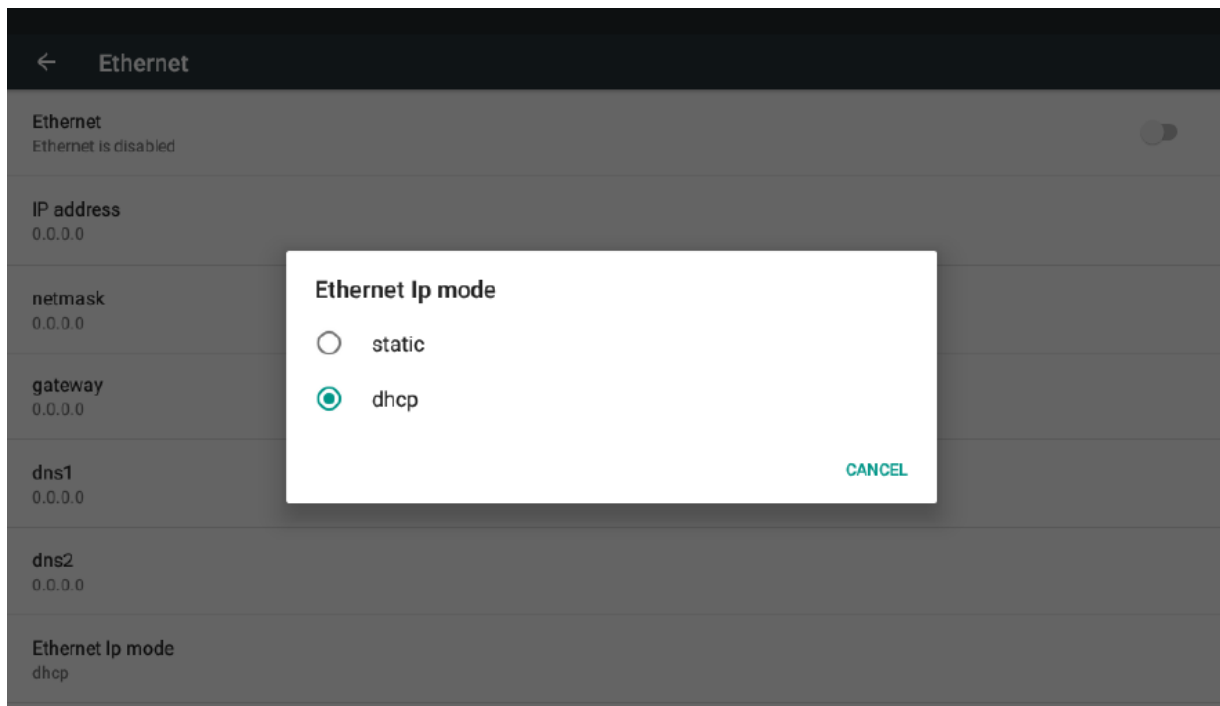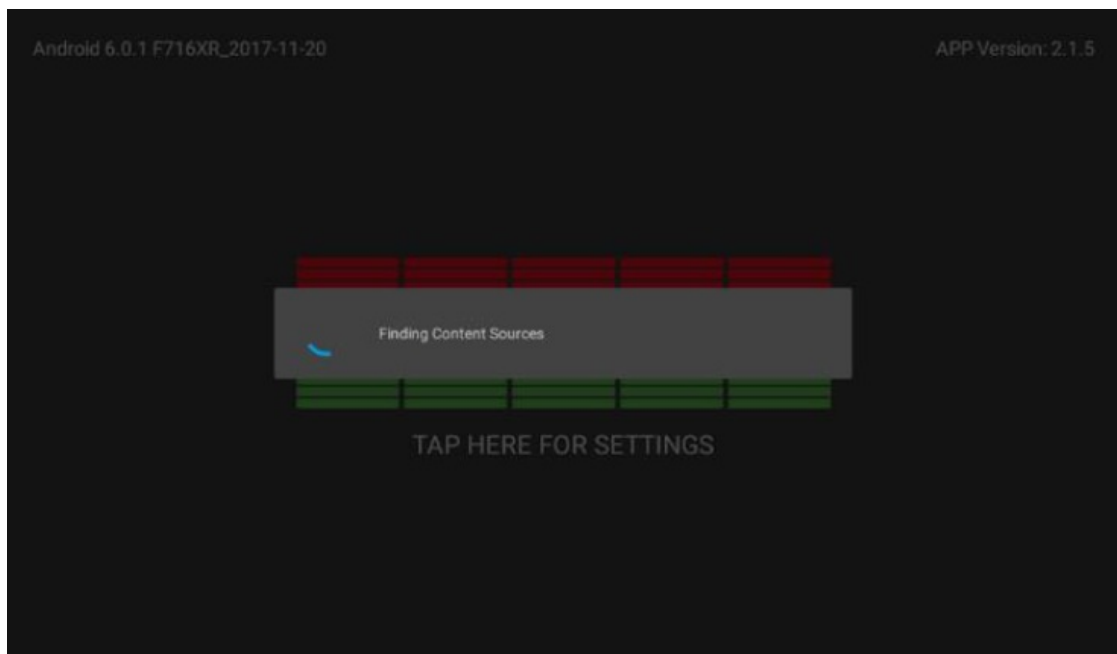6. Scroll to find the Source you want to connect to and click the blue arrow

7. Set the name and/or custom URL. This is where any ports are entered. In this case :3000 for the Niagara box we are connecting to

Networks and Content Sources

⟨⋯⟩ Ethernet
(to switch to WiFi, un-plug Ethernet cable and reboot)

↻ Sources visible on current network
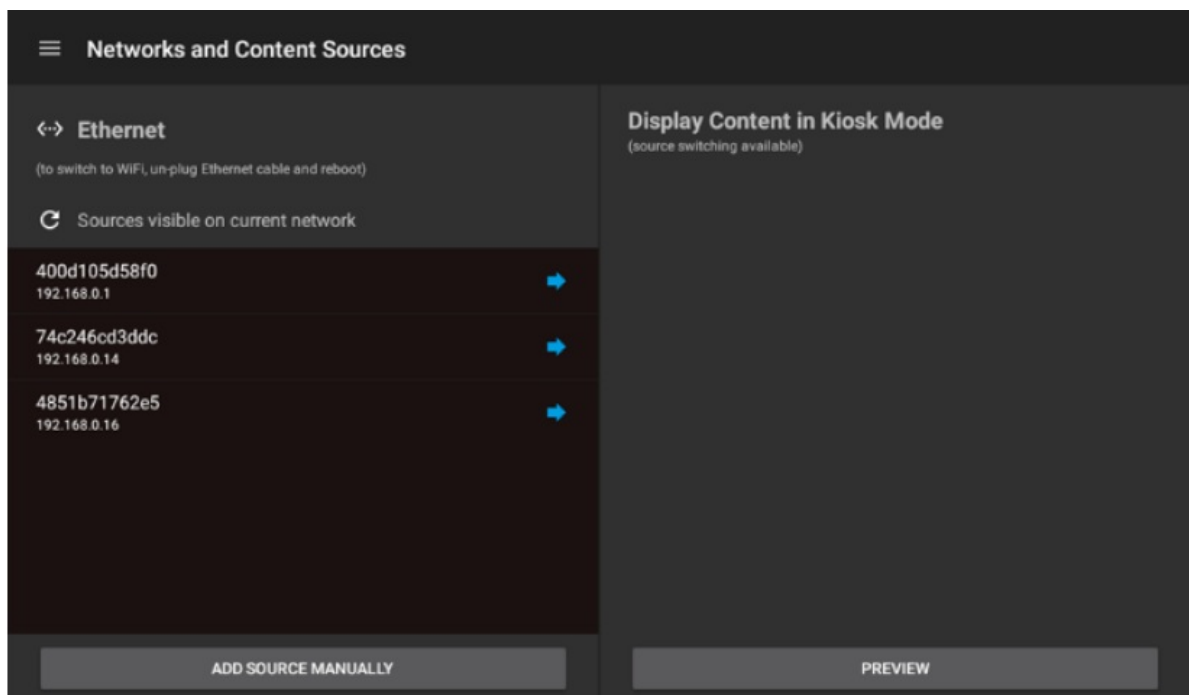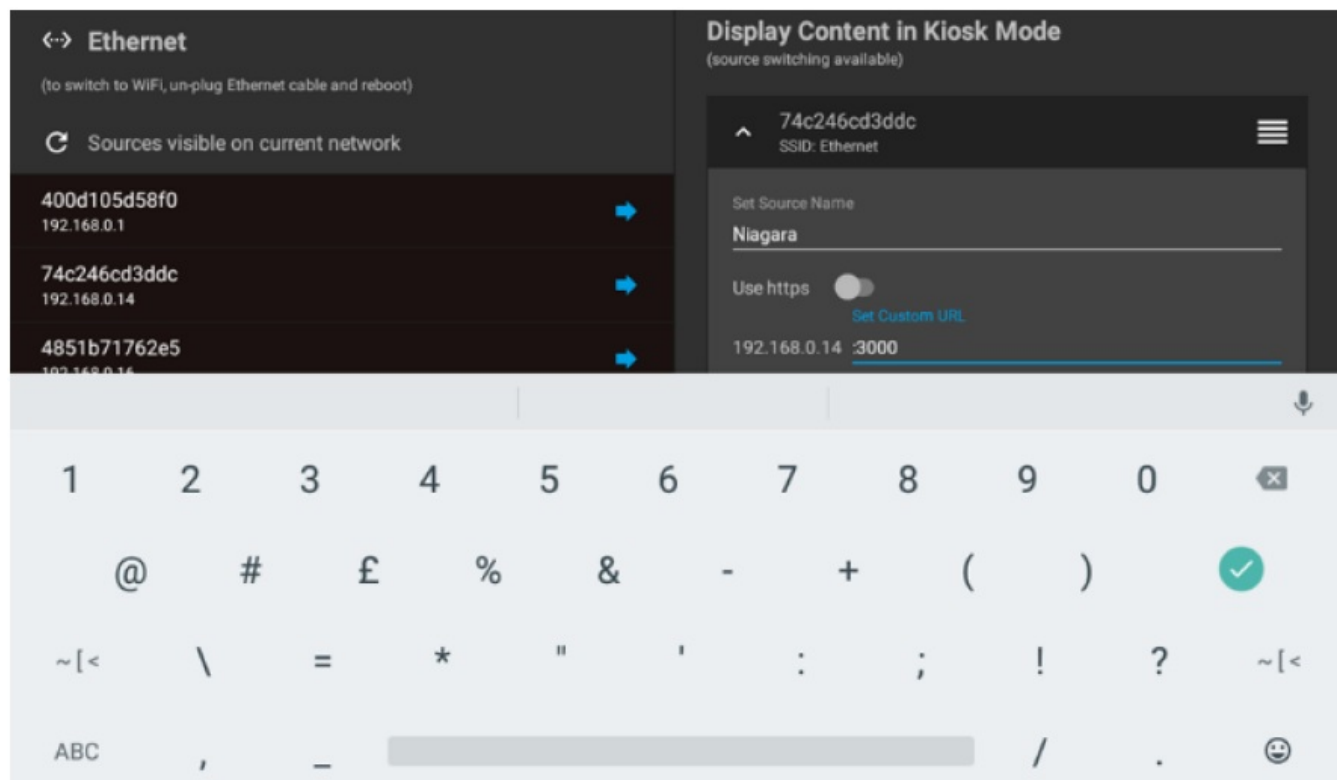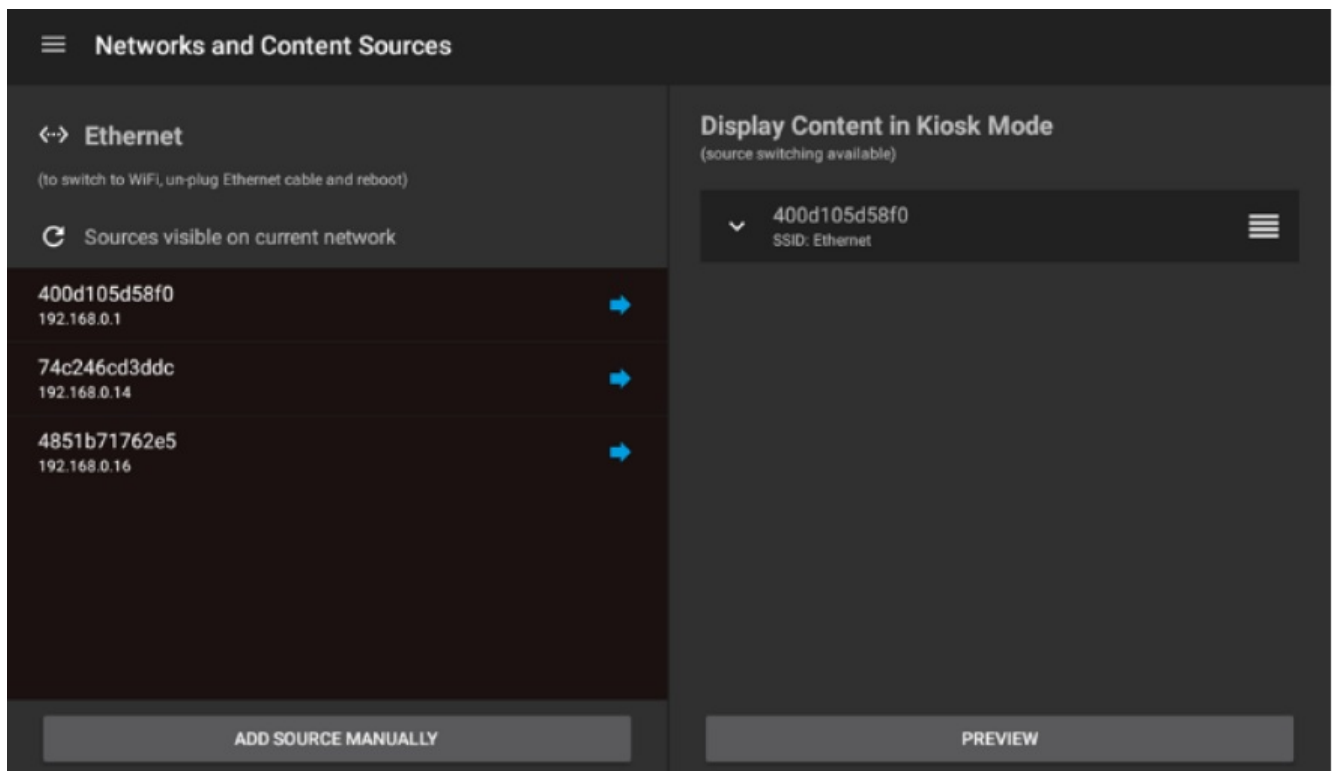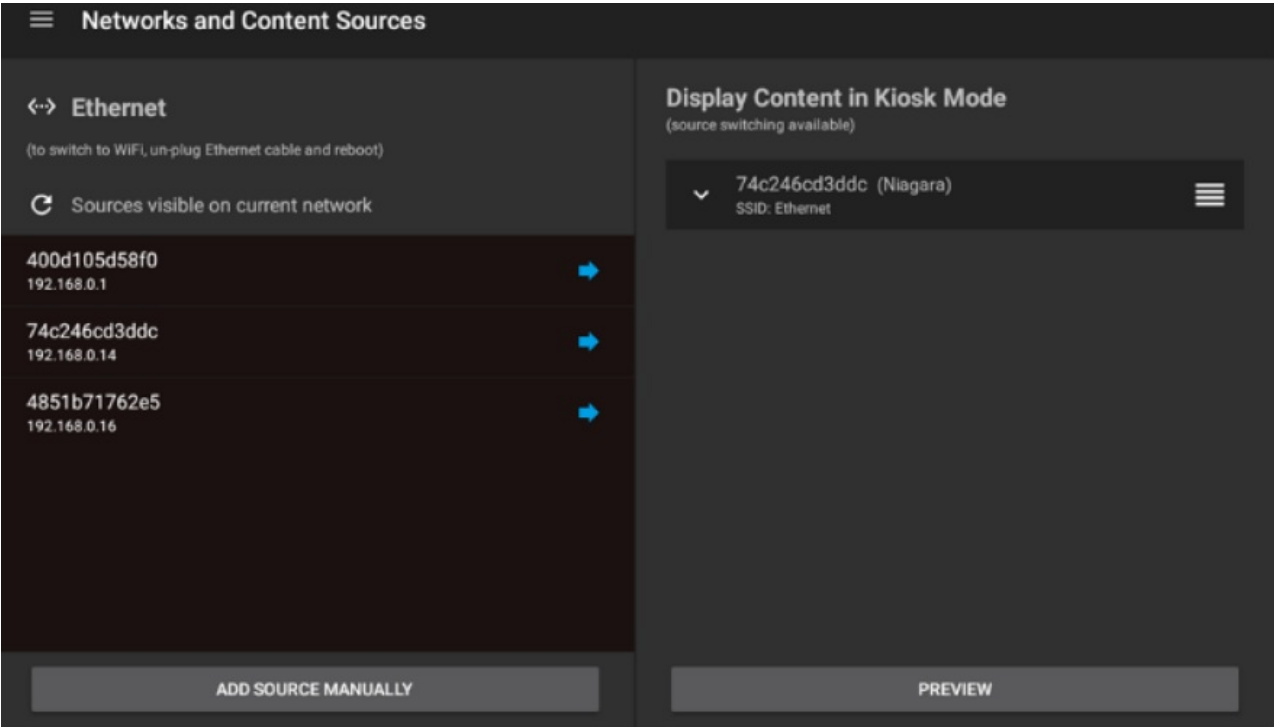
400d105d58f0
192.168.0.1 →

74c246cd3ddc
192.168.0.14 →

4851b71762e5
192.168.0.16 →

ADD SOURCE MANUALLY

Display Content in Kiosk Mode
(source switching available)

⌄ **400d105d58f0**
SSID: Ethernet ☰

PREVIEW

⟨⋯⟩ Ethernet
(to switch to WiFi, un-plug Ethernet cable and reboot)

↻ Sources visible on current network

400d105d58f0
192.168.0.1 →

74c246cd3ddc
192.168.0.14 →

4851b71762e5
192.168.0.16 →

Display Content in Kiosk Mode
(source switching available)

⌃ **74c246cd3ddc**
SSID: Ethernet ☰

Set Source Name
Niagara

Use https ⚪

Set Custom URL
192.168.0.14 :3000

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | ⌫ |

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| ABC | , | _ | | / | . | ☺ |

8. Once the source has been previewed and you click launch, the app will display whatever content the source serves. In this case the Niagara login screen.

Documents / Resources

	LYNXSPRING 200SM070 Touch Screen Display [pdf] User Guide 200SM070 Touch Screen Display, 200SM070, Touch Screen Display, Screen Display