

# **UD** UNIVERSAL DISPLAY

### **USER GUIDE**



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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.



### 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.

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.

$\bigcirc$	Power off
쑸	Reboot





Do not apply excessive force to the button.





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.

6.0.1 F716XR_2018-04-27		A	PP Version: 2.1.7+rev.c7d7773
	Regional and language settings		
	Language : ENGLISH (UNITED KINGDOM)	-	
	Date : 07/18 ENGLISH (UNITED STATES)	JUST	
	Show th ESPAÑOL		
	FRANÇAIS		
			PP version. 2. 1.7+rev.c707773
	Regional and language settings		
	Language : ENGLISH (UNITED STATES) -	-	
	Date : 07/18/2018, 10:09 GMT+01:00 ADJ	JUST	
	☐ Show this dialog again next time		
	ок		1



### **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.

Connection Type	
TAP HERE FOR SETTINGS	

#### WIFI connection only

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

Wi-Fi	:
On	
<b>NT_0004A36D2471</b>	
🔹 ewifi	
NWifi	
<b>NT_0004A36D2FBE</b>	
<b>NT_0004A36D167B</b>	
<b>NT_0004A36D4C72</b>	
<b>T</b> _0004A36D424D	
<b>T</b> _0004A36D3BC2	
BACK	NEXT

#### 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	Wi-Fi	
If WPS is available on the Network, select wi-fi preferences on the bottom and select <i>Advanced</i> .	On ConiginBroadband88578 SKYGMR5N SKYCGCEB	۰ ۵
	<ul> <li>SKYCGISK</li> </ul>	â
	+ Add network	
	Wi-Fi preferences Saved networks 1 network	
	BACK	NEXT
WIFI connection only Alternative method using WPS	← Advanced Wi-Fi	
	Network notification Notify whenever a public network is available	•
Select <i>WPS Push Button</i> feature and enable WPS on the Source.	Keep Wi-Fi on during sleep Always	
	Install certificates	
	Wi-Fi Direct	
	WPS Push Button	
	WPS Pin Entry	
	MAC address 18:fe:34:73:ed:19	
	IP address Unavailable	

#### 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* 

Wi-F	i			
On			•	
<b>T</b> a	ewifi Connected			
•	NT_0004A36D2471			
•	NT_0004A36D2FBE			
-	NT_0004A36D167B			
-	NT_0004A36D4C72			
-	NWifi			
-	NT_0004A36D424D			
	BACK		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.

■ Networks and Content Sources	
중 SSID: ewifi	Display Content in Kiosk Mode
(to switch to Ethernet, plug in Ethernet cable and reboot) C Sources visible on current network	✓ 0004a36d2471     SiD: ewifi
08002767c537	
080027d8cf7f	
0862667e6110	
28f10e3376cc	
0004a36d2471	
00155d503701	
ADD SOURCE MANUALLY	PREVIEW

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.

$\equiv$ Networks and Content Sources		
중 SSID: ewifi		Display Content in Kiosk Mode
(to switch to Ethernet, plug in Ethernet cable and reboot) C Sources visible on current network		▲ 0004a36d2471
080027d8cf7f 10.0.0.118	•	Set Source Name
0862667e6110 10.0.0.120	•	Use https 🕒
28f10e3376cc 10.0.0.121	+	10.0.0.123 Set Custom URL
0004a36d2471 10.0.0.123	•	
00155d503701 10.0.0.124	+	
0004a334a4b7 10.0.0.128	•	
ADD SOURCE MANUALLY		PREVIEW

#### **Example Content Configuration**

Set Source Name: *first-floor* 

Use https: *Enabled* 

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

Networks and Content Sources	
ন্ট SSID: ewifi o switch to Ethernet, plug in Ethernet cable and reboot) ৫ Sources visible on current network	Display Content in Kiosk Mode ↑ 0004a36d2471 SSID: ewifi
8002767c537 →	Set Source Name first-floor
80027d8cf7f →	Use https Set Custom URL
862667e6110	10.0.0.123 2443/httst-hoot/index.html
8f10e3376cc	
004a36d2471	
0155d503701	
ADD SOURCE MANUALLY	PREVIEW



### Collapse the input box to save the settings.

### Repeat the previous steps for each source to be added



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

$\equiv$ Networks and Content Sources		
중 SSID: ewifi		Display Content in Kiosk Mode
(to switch to Ethernet, plug in Ethernet cable and reboot) C Sources visible on current network		✓ 0004a36d2471 (first-floor) SSID: ewifi
080027d8cf7f 10.0.0.118	+	
0862667e6110 10.0.0.120	•	
28f10e3376cc 10.0.0.121	+	
0004a36d2471 10.0.0.123	•	
00155d503701 10.0.0.124	•	
0004a334a4b7 10.0.0.128	•	
ADD SOURCE MANUALLY		PREVIEW



$\equiv$ Networks and Content Sources	
≎ SSID: ewifi	Display Content in Kiosk Mode
(to switch to Ethernet, plug in Ethernet cable and reboot) C Sources visible on current network	✓ 0004a36d2471 (first-floor)     SSID: evifi     Disc 6267262110
080027d8cf7f	SSID: ewifi
0862667e6110	✓ 28f10e3376cc SSID: ewifi
28f10e3376cc	
0004a36d2471	
00155d503701	
0004a334a4b7	
ADD SOURCE MANUALLY	PREVIEW



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.

$\equiv$ Networks and Content Sources		
중 SSID: ewifi		Display Content in Kiosk Mode
(to switch to Ethernet, plug in Ethernet cable and reboot) C Sources visible on current network		✓ 0004a36d2471 (first-floor)
080027d8cf7f 10.0.0.118	+	<sup>12667e6110</sup> ≡ 🗵
0862667e6110 10.0.0.120	+	
28f10e3376cc 10.0.0.121	⇒	
0004a36d2471 10.0.0.123	+	
00155d503701 10.0.0.124	⇒	
0004a334a4b7 10.0.0.128	•	
ADD SOURCE MANUALLY		PREVIEW

#### Option

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

■ Networks and Content Sources								
≎ SSID: ewifi			Add Source Manually		n Kiosk Mode	n Kiosk Mode		
(to switch to Ethernet, plug in Ethernet cable and reboot)			and reboot)			71 (first-floor)		
080027d8c			WOIK	CANCEL	SAVE	0		
0862667e6 10.0.0.120				+				
	-	+		1	2	3	⊠	
	*	/	,	4	5	6	0	
	(	)	=	7	8	9		
				*	0	#		

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.

$\equiv$ General Settings	
Language : ENGLISH (UNITED KINGDOM) → Date : 10/04/2020, 09:07 GMT+00:00 ADJUST Brightness Level	Configuration Password : OFF  Settings Hint at Start Up : ON Configure NTP : OFF NTP server address
Dimming Behavior : ON 5 minute(s) until screen dims to Source Rotation : OFF	Enable WiFi : ON
App Version: 3.0.0 Android Version: 8.1.0 Display Model: rockchip rk3126c	go



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.

$\equiv$ Networks and Content Sources		
중 SSID: ewifi		Display Content in Kiosk Mode
(to switch to Ethernet, plug in Ethernet cable and reboot)		<ul> <li>✓ 0004a36d2471 (first-floor)</li> <li>SSID: ewifi</li> </ul>
080027d8cf7f 10.0.0.118	•	<ul> <li>✓ 0862667e6110</li> <li>SSID: ewifi</li> </ul>
0862667e6110 10.0.0.120	•	✓ 28f10e3376cc SSID: ewifi
28f10e3376cc 10.0.0.121	+	
0004a36d2471 10.0.0.123	•	
00155d503701 10.0.0.124	•	
0004a334a4b7 10.0.0.128	•	
ADD SOURCE MANUALLY		PREVIEW





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



BACK

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 Wireless & networks

Aeroplane mode

Tethering & portable hotspot

Ethernet

VPN

Mobile networks

Mobile plan

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



NEXT



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.

← Ethernet		
Ethernet Ethernet is disabled	Ethernet IP address	Ð
IP address 0.0.0.0	192.168.0.10 Gateway	
netmask 0.0.0.0	192.168.0.1	
gateway 0.0.0.0	255.255.255.0	
DNS1 0.0.0.0	0.0.0.0 DNS 2	
DNS2 0.0.0.0	0.0.0.0	
Ethernet Ip mode	CANCEL CONNECT	

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* 

$\equiv$ Networks and Content Sources				
←→ Ethernet (to switch to WiFi, un-plug Ethernet cable and reboot)	Display Content in Kiosk Mode (source switching available)			
C Sources visible on current network	✓ 74c246cd3ddc (Niagara) SSID: Ethernet			
400d105d58f0				
74c246cd3ddc				
4851b71762e5				
ADD SOURCE MANUALLY	PREVIEW			



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



#### Select the network to join.

Wi-F		:
On		•
<b>V</b> a	NT_0004A36D2471	
<b>V</b> a	ewifi	
	NWifi	
•	NT_0004A36D2FBE	
•	NT_0004A36D167B	
₹.	NT_0004A36D4C72	
₹.	NT_0004A36D424D	
-	NT_0004A36D3BC2	
E	АСК	NEXT

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



14



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.

Wi-Fi		
On		NWifi None -
<b>V</b> 4	ewifi	IP settings Static •
<b>₩</b> a	NT_0004A36D2FBE	IP address 192.168.1.128
<b>W</b> a	NWifi	Gateway
<b>W</b> a	NT_0004A36D424D	Network prefix length
<b>W</b> a	NT_0004A36D3BC2	24
<b>W</b> a	NT_0004A36D167B	8.8.8.8
<b>T</b>	NT_0004A36D2471	DNS2
<b>V</b> 4	NT_0004A36D4C72	
В	ACK	CARCEL CONNECT NEXT

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*.

Wi-Fi							
On	NW	<b>fi</b> vord					
<b>NT_0004</b>	A36D2FBE	•••••			_		
🗙 ewifi	s	now password					
🔽 NWifi	Adva	nced options			~		
BACK				CANCEL CO	NNECT		
q w	2 3 e	r t	5 6 Y I	u i	8 O	9 0 p	×
q w	<sup>2</sup> e <sup>3</sup> s d	r t	sy f	u'i j	° o k	9 0 I	•
q¹w a <u>▲</u> z	<sup>2</sup> e <sup>3</sup> s d	r t f c v	gh b	u <sup>7</sup> i j nm	<sup>8</sup> o k	<sup>9</sup> p <sup>0</sup> I ?	<ul> <li>€     </li> <li>▲     </li> </ul>

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

Wi-Fi	
On	
NWifi Connected	
🔨 ewifi	
<b>NT_0004A36D2FBE</b>	
<b>NT_0004A36D424D</b>	
<b>NT_0004A36D167B</b>	
<b>NT_0004A36D2471</b>	
<b>NT_0004A36D4C72</b>	
BACK	NEXT



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

6.0.1 F716XR_2018-04-27			AI	PP Version: 2.1.7+rev.c7d7773
	ding Content So			
		RE FOR SE		

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

$\equiv$ Networks and Content Sources	
중 SSID: NWifi	Display Content in Kiosk Mode
(to switch to Ethernet, plug in Ethernet cable and reboot) C Sources visible on current network	<ul> <li>✓ 00155d503700</li> <li>SSID: NW/fi</li> </ul>
00507fea0a40 10.0.2	•
245ebe026efe 10.0.0.3	•
109836b3896e 10.0.0.4	•
109836b3896c 10.0.0.5	•
00155d503700 10.0.0.6	• 1
00155d503701 10.0.0.7	•
ADD SOURCE MANUALLY	PREVIEW



### **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

Menu	
Networks and Content Sources	Display Content in Kiosk Mode
General Settings	
	PREVIEW

$\equiv$ General Settings	
Language : ENGLISH (UNITED KINGDOM) - Date : 10/04/2020, 09:07 GMT+00:00 ADJUST Brightness Level	Configuration Password : OFF  Settings Hint at Start Up : ON Configure NTP : OFF
Dimming Behavior : ON  5 minute(s) until screen dims to	Enable WiFi : ON
Source Rotation : OFF 🔹	RESET DISPLAY
App Version: 3.0.0 Android Version: 8.1.0 Display Model: rockchip rk3126c	go

### 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*.

Date & time	
Automatic date & time Use network-provided time	۰
Automatic time zone Use network-provided time zone	٠
Set date 19 December 2017	
Set time 12:08	
Select time zone GMT+00.00 Greenwich Mean Time	
Use 24-hour format 13:00	۰
ВАСК	NEXT





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

$\equiv$ General Settings	
Language : ENGLISH (UNITED KINGDOM) Date : 10/04/2020, 09:07 GMT+00:00 ADJUST Brightness Level	Configuration Password : OFF  Settings Hint at Start Up : ON Configure NTP : OFF NTP server address
Dimming Behavior : ON          [5]       minute(s) until screen dims to         •       •         •       •         Source Rotation : OFF       •	Enable WiFi : ON
Ann Version: 3.0.0 Android Version: 8.1.0 Display Model: rockchin rk3126c	ao

### 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*.

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*  **Reset the Display** 



The display can be restored to factory settings using the *RESET DISPLAY* button.

3.5

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.

$\equiv$ General Settings	
Language : ENGLISH (UNITED KINGDOM) Date : 10/04/2020, 09:07 GMT+00:00 ADJUST Brightness Level Dimming Behavior : ON 5 minute(s) until screen dims to	Configuration Password : OFF       ●         Settings Hint at Start Up : ON       ●         Configure NTP : OFF       ●         NTP server address       ●         Enable WiFi : ON       ●
Source Rotation : OFF	RESET DISPLAY

### 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)

$\equiv$ General Settings			
Language : ENGLISH (UNITE	ED STATES) 🔫	Configuration Password :	
Date : 07/26/2018, 13:41 G	Reset Display		ON 🧠
Brightness Level	This will: Remove all saved content so Reset all general settings to	purces. their default, including language and timezone.	
Dimming Behavior : ON	Reset all network settings for Clear browser caches and co The display will restart once Do you wish to continue?	or Wi-Fi and Ethernet. pokies. the reset is complete.	ON 🥌
	NO	YES	
		RESET	

$\equiv$ General Settings			
	ED STATES) 🔫	Configuration Password :	
Date : 07/26/2018, 13:42 0	Reset Display		ON
Brightness Level	This will: Remove all saved content sources.	ault including language and timezone	
Reset all general settings to their default, including language and timezone. Reset all network settings for Wi-Fi and Ethernet.		auit, including language and timezone. nd Ethernet.	
Dimming Behavior : ON	Clear browser caches and cookies.		
5 minute(s) until screen dims to	The display will restart once the reset Do you wish to continue?	is complete.	
•	Reset In Progress -	DO NOT SWITCH OFF	
App Version: 2.1.7+rev.c7d7773 And	roid Version: 6.0.1 Display Model: roc	kchip F716XR	



### 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.

	TRIDIUÂ
entSecuri	ity801
R	Username: Login
	Each device in the system is governed by its own End User License Agreement located at /login/eula.
	Remember my choice (this station only)
End User	Use of this software is subject to the License Agreement and other Third Party Licenses

To connect using Java Web Start <u>click here</u> To connect using Niagara Web Launcher <u>click here</u>

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