



XVTEC XVC-ULTRA 4K Ultra Low Latency HDMI Encoder Installation Guide

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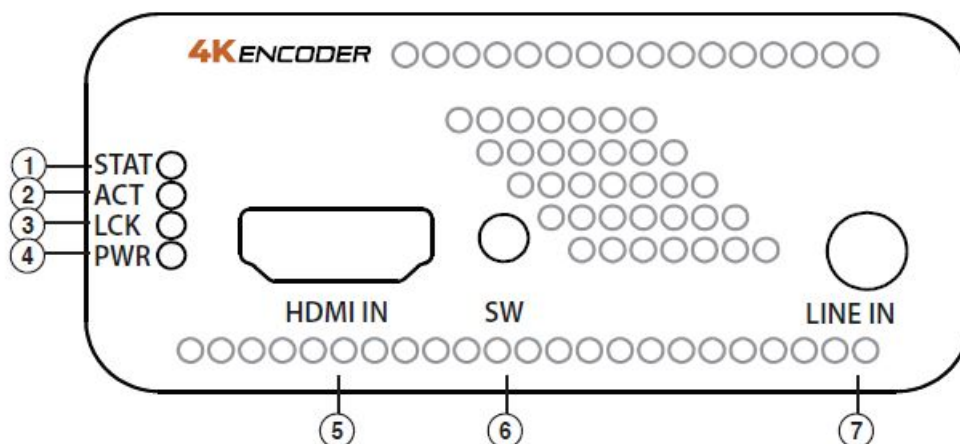
XVTEC XVC-ULTRA 4K Ultra Low Latency HDMI Encoder



Follow the instructions in this guide in order to quickly prepare your XVC-ULTRA Encoder for operation. NOTE: For additional information refer to the XVC-ULTRA Encoder User's Guide.

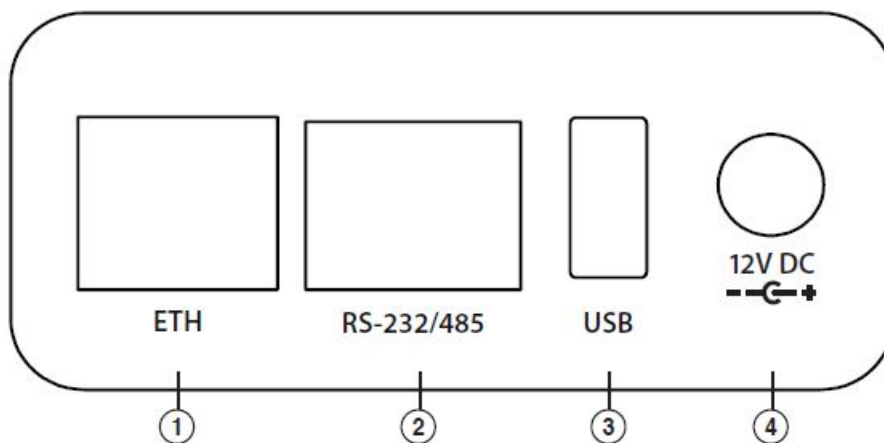
Product overview

FRONT



1. STAT – Status LED
2. ACT – Streaming activity LED
3. LCK – Video lock indicator LED
4. PWR – Power LED indicator
5. HDMI IN – HDMI v2.0 video input
6. SW – General switch
7. LINE IN – Analog audio input (unbalanced, genlocked)

REAR



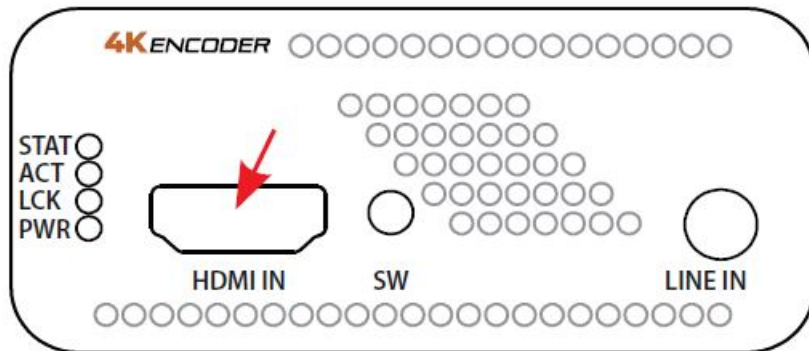
1. Ethernet port
2. RS-232/RS-485 port
3. USB – USB 2.0/3.0 host port
4. 12VDC – Input voltage

Check kit contents

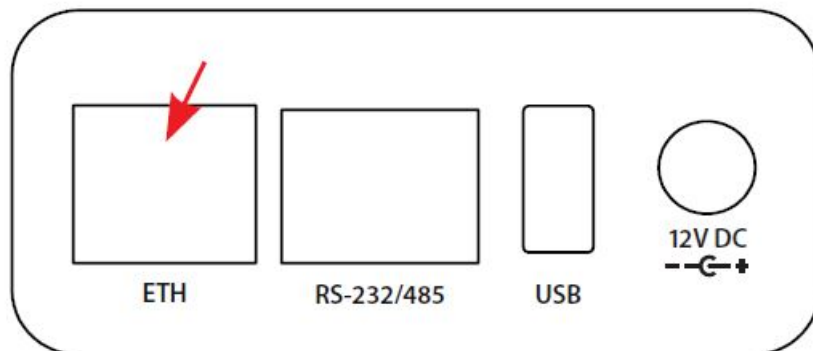
- XVC-Ultra Encoder
- Power supply
- Four rubber feet pads
- Warranty + EULA

Power & connect

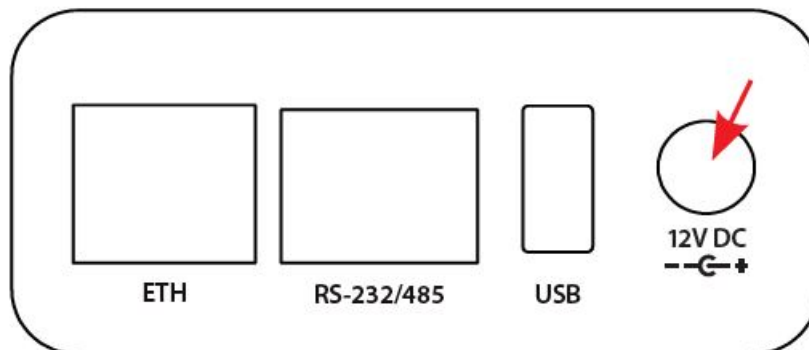
1. Connect the video source to the Encoder (optional).



2. Connect the host PC to the ETH port using a LAN cable – either directly, or via a network switch.



3. Power on the system by connecting the power supply to the input power connector (Note, the power supply is provided with a locking connector).

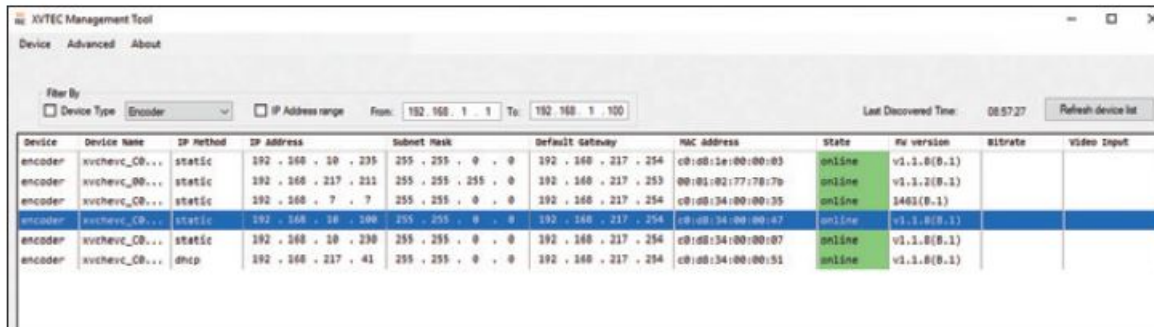


4. 4 Download and install the XVTEC management tool from:



<https://www.xvtec.com/support/downloads> on a Windows-based OS.

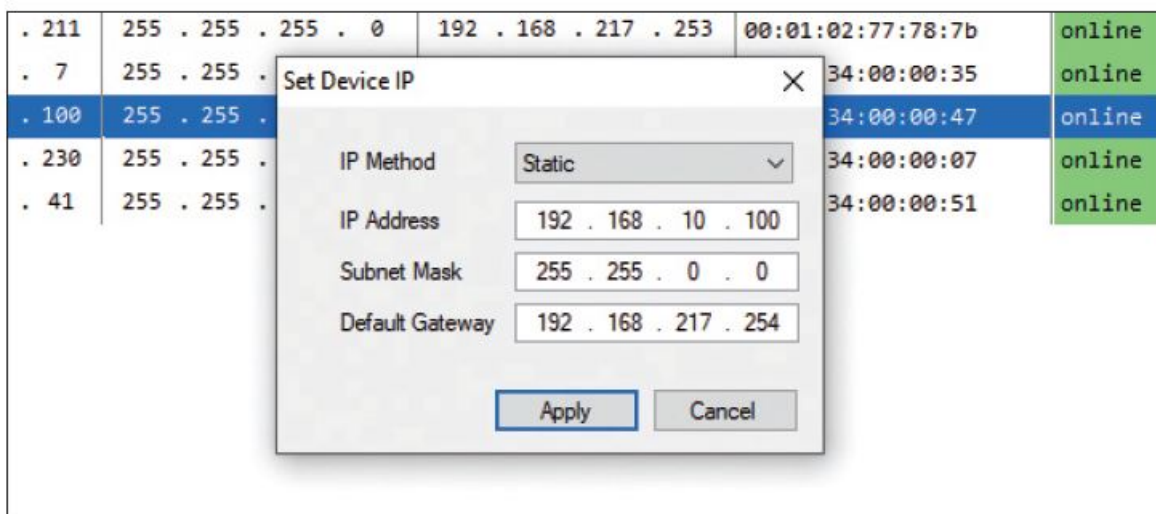
- Execute the XVTEC Management Tool. The application discovers the devices in your network and displays them as a list. You may need to disable Windows Firewall to enable discovery.



The screenshot shows the XVTEC Management Tool window with the 'Device' tab selected. It displays a table of discovered devices with columns for Device, Device Name, IP Method, IP Address, Subnet Mask, Default Gateway, MAC Address, State, Firmware version, Bitrate, and Video Input. The table lists several 'encoder' devices with their respective IP addresses and MAC addresses.

| Device | Device Name | IP Method | IP Address | Subnet Mask | Default Gateway | MAC Address | State | Firmware version | Bitrate | Video Input |
|---------|---------------|-----------|-----------------------|---------------------|-----------------------|-------------------|--------|------------------|---------|-------------|
| encoder | xvchevc_CB... | static | 192 . 168 . 10 . 235 | 255 . 255 . 0 . 0 | 192 . 168 . 217 . 254 | c0:00:1e:00:00:03 | online | v1.1.0(0.1) | | |
| encoder | xvchevc_CB... | static | 192 . 168 . 217 . 213 | 255 . 255 . 255 . 0 | 192 . 168 . 217 . 253 | 00:01:02:77:78:7b | online | v1.1.2(0.1) | | |
| encoder | xvchevc_CB... | static | 192 . 168 . 7 . 7 | 255 . 255 . 0 . 0 | 192 . 168 . 217 . 254 | c0:00:34:00:00:35 | online | 3402(0.1) | | |
| encoder | xvchevc_CB... | static | 192 . 168 . 10 . 100 | 255 . 255 . 0 . 0 | 192 . 168 . 217 . 254 | c0:00:34:00:00:47 | online | v1.1.0(0.1) | | |
| encoder | xvchevc_CB... | static | 192 . 168 . 10 . 230 | 255 . 255 . 0 . 0 | 192 . 168 . 217 . 254 | c0:00:34:00:00:07 | online | v1.1.0(0.1) | | |
| encoder | xvchevc_CB... | dhcp | 192 . 168 . 217 . 41 | 255 . 255 . 0 . 0 | 192 . 168 . 217 . 254 | c0:00:34:00:00:51 | online | v1.1.0(0.1) | | |

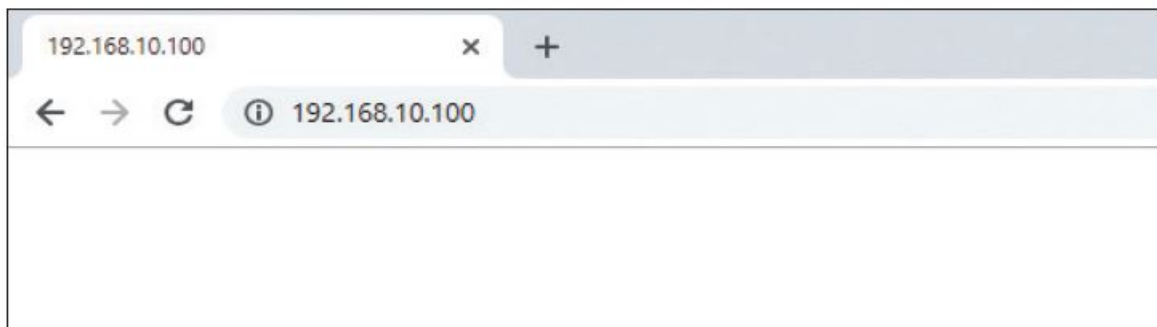
- Find the row in the table associated with your Encoder. Right-click on the row, and select "Set IP". The Set Device IP dialog box appears. Select "Static" or "DHCP" IP configuration. If "Static" is selected, enter the Encoder's IP Address, Subnet Mask, and Default Gateway settings. Click Apply to save the new settings.



The screenshot shows the 'Set Device IP' dialog box with the 'Static' IP method selected. The IP Address is set to 192 . 168 . 10 . 100, Subnet Mask is 255 . 255 . 0 . 0, and Default Gateway is 192 . 168 . 217 . 254. The 'Apply' button is highlighted.

| Device | Device Name | IP Method | IP Address | Subnet Mask | Default Gateway | MAC Address | State | Firmware version | Bitrate | Video Input |
|---------|---------------|-----------|-----------------------|---------------------|-----------------------|-------------------|--------|------------------|---------|-------------|
| encoder | xvchevc_CB... | static | 192 . 168 . 10 . 235 | 255 . 255 . 0 . 0 | 192 . 168 . 217 . 254 | c0:00:1e:00:00:03 | online | v1.1.0(0.1) | | |
| encoder | xvchevc_CB... | static | 192 . 168 . 217 . 213 | 255 . 255 . 255 . 0 | 192 . 168 . 217 . 253 | 00:01:02:77:78:7b | online | v1.1.2(0.1) | | |
| encoder | xvchevc_CB... | static | 192 . 168 . 7 . 7 | 255 . 255 . 0 . 0 | 192 . 168 . 217 . 254 | c0:00:34:00:00:35 | online | 3402(0.1) | | |
| encoder | xvchevc_CB... | static | 192 . 168 . 10 . 100 | 255 . 255 . 0 . 0 | 192 . 168 . 217 . 254 | c0:00:34:00:00:47 | online | v1.1.0(0.1) | | |
| encoder | xvchevc_CB... | static | 192 . 168 . 10 . 230 | 255 . 255 . 0 . 0 | 192 . 168 . 217 . 254 | c0:00:34:00:00:07 | online | v1.1.0(0.1) | | |
| encoder | xvchevc_CB... | dhcp | 192 . 168 . 217 . 41 | 255 . 255 . 0 . 0 | 192 . 168 . 217 . 254 | c0:00:34:00:00:51 | online | v1.1.0(0.1) | | |

- To access and configure the XVC-ULTRA using the web-based user interface, enter the IP address of the Encoder unit in the address bar of the browser.



The screenshot shows a web browser address bar with the IP address 192.168.10.100 entered. The browser interface includes back, forward, and refresh buttons, as well as a search icon.

- Sign in by entering your user name and password in the dialog box displayed by your browser. A sample dialog box appears in the figure below.

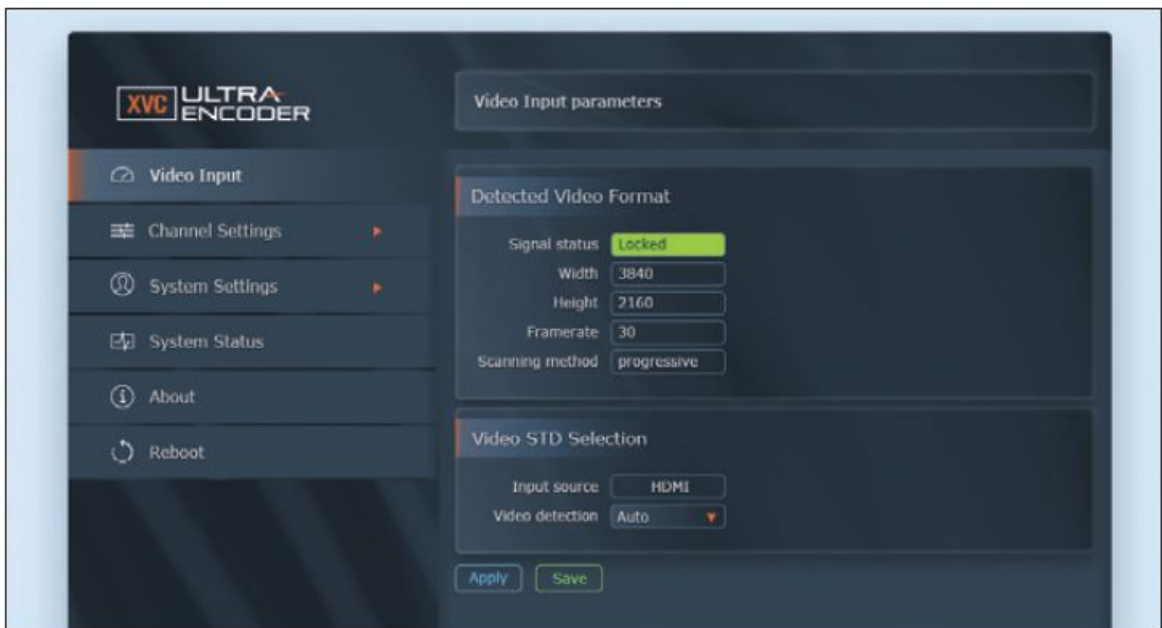
The default credentials are:

Username: admin

Password: admin



9. The main page of the Configuration System appears in the browser window.



10. Refer to the user guide for the next steps. Download the user guide from:

https://xvtec.com/wp-content/downloads/XVC_Ultra_HDMI_Encoder/XVC-ULTRA-User-Guide.pdf

Documents / Resources

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|--|---|
| | <p>XVTEC XVC-ULTRA 4K Ultra Low Latency HDMI Encoder [pdf] Installation Guide XVC-ULTRA, 4K Ultra Low Latency HDMI Encoder, XVC-ULTRA 4K Ultra Low Latency HDMI Encoder</p> |
|--|---|

References

- [▶ Downloads](#)