



EKSELANS BY ITS

USER MANUAL

EN 2HD IP 284001

ENCODER / STREAMER TWIN

V03

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INTRODUCTION:

Description:

Encoder streamer with 2 HDMI inputs. Multicast IP output / HLS / RTMP for local or public network (internet) of online content.

In the case of WebTV, the user will browse, from any web browser, a dedicated web page from where you can select any of the two available services.

Up to 25 concurrent users.



Main features:

- 2 HDMI inputs up to 1080.
- Video Code: H.264.
- Audio encoding: AAC.
- SPTS
- RJ45 100/1000 Mbps output port
- Management Web Interface

Packaging Contents:

- EN 2HD-IP, code 284001.
- Power supply 12V/2Amp.

CONNECTIONS AND INTERFACES:

 <p style="text-align: center;">1 2 3 4 5</p>	<ol style="list-style-type: none"> 1.- Grounding. 2.- DC 12V/2A input. 3.- HDMI-1 in. 4.- HDMI-2 in. 5.- LAN connection.
 <p style="text-align: center;">1 2 7 3 4 5 6</p>	<ol style="list-style-type: none"> 1.- ALARM: 2.- ENCODE: 3.- RUN: led flashes in proper operation. 4.- HD1: HDMI-1 signal. 5.- POWER: equipment connected to mains. 6.- HD2: signal in HDMI-2. 7.- RESET.

INSTALLATION RECOMMENDATIONS:

- 1.- Install the equipment vertically in a properly ventilated place, making sure that the maximum recommended operating temperature values will not be exceeded.
- 2.- Leave between 15cm and 20cm free of obstacles around the equipment to ensure compliance with point no.1.
- 3.- Connect the earth.
- 4.- Connect the input and output cables.
- 5.- Connect the power cable.
- 6.- Configure the equipment.

2HD IP CONFIGURATION:

System status:

The screenshot shows the 'System Status' page of the Ek interface. On the left is a navigation menu with options: System Status, Channel 1 Setup, Channel 2 Setup, Network, System Parameters, and Account. The main content area displays several status boxes: Serial Number (0000000000046D8), CPU Temperature (48.4 °C), Hardware Version (SDK2110_V2_0B 2021_04_07), Software Version (2022-12-21 09:56:29), and CPU Usage (71.4%). Below these is a table with columns 'Channel', 'Input Resolution', and 'Video Signal'. Channel 1 has resolution 1920x1080 and a green signal. Channel 2 has resolution 1920x1080 and a green signal. At the bottom is a 'Message' box.

Channel	Input Resolution	Video Signal
1	1920x1080	●
2	1920x1080	●

This first page shows us the status of the equipment showing serial no, CPU temperature, HW and SW versions and CPU usage.

Then it shows us which HDMI inputs have signal, in green, and its resolution.

NETWORK:

The IP address, user and password by default are those that are indicated on the label of the device, on its back side.

The NETWORK tab page will allow us to change the IP, mask and gateway.

The screenshot shows the 'Network' configuration page. On the left is a navigation menu with options: System Status, Channel 1 Setup, Channel 2 Setup, Network (selected), System Parameters, and Account. The main content area contains three input fields: IP (172.16.5.123), Subnet Mask (255.255.254.0), and Default Gateway (172.16.5.5). A blue 'Submit' button is located below the fields.

Account:

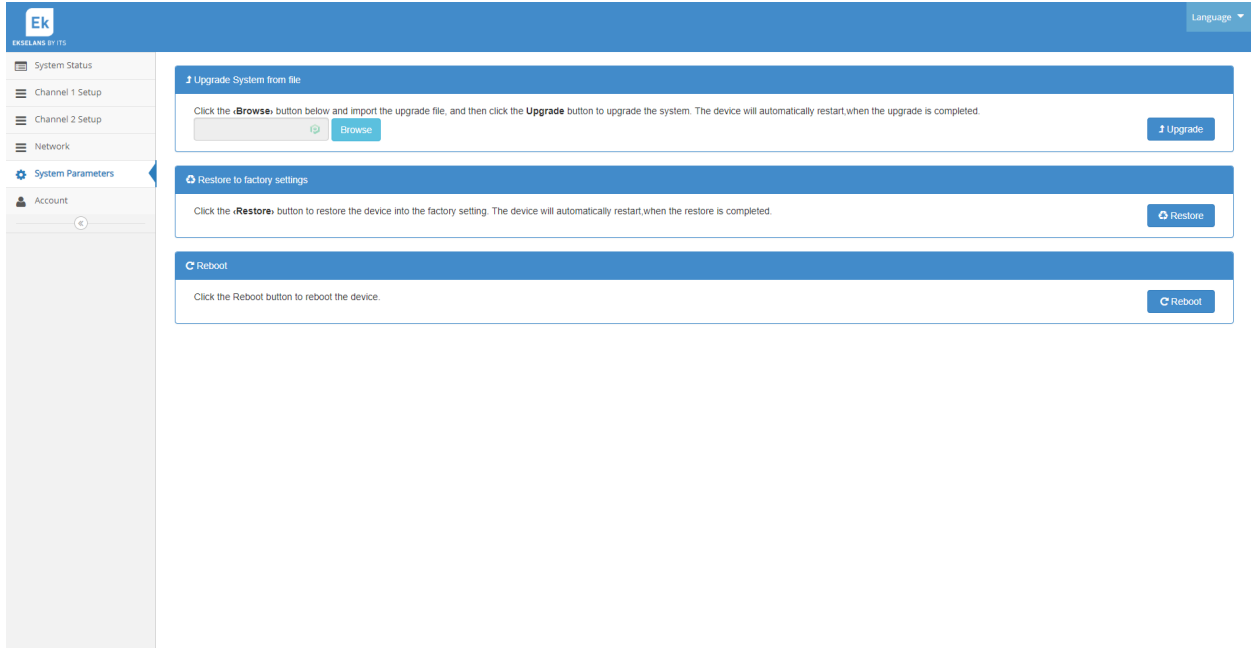
The IP address, user and password by default are those that are indicated on the label of the device, on its back side.

The page of the ACCOUNT tab will allow us to change the username and password of the device.

The screenshot shows the 'Account' configuration page. The left navigation menu is the same as in the previous screenshot, with 'Account' selected. The main content area is divided into two sections: 'Current User Info' and 'New User Info'. Each section has a 'Current Username' and 'Current Password' field, and the 'New User Info' section has 'New Username', 'New Password', and 'Confirm Password' fields. A blue 'Submit' button is at the bottom.

System parameters:

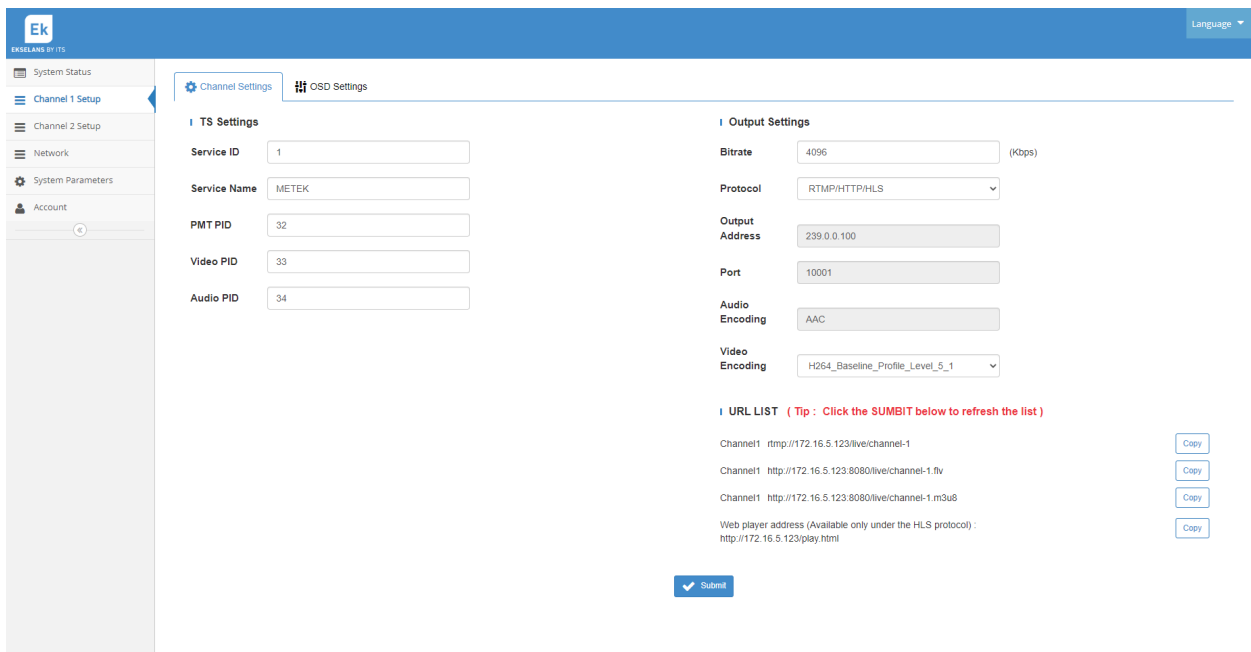
In this menu we can update the FW, reset to factory settings or Restart.

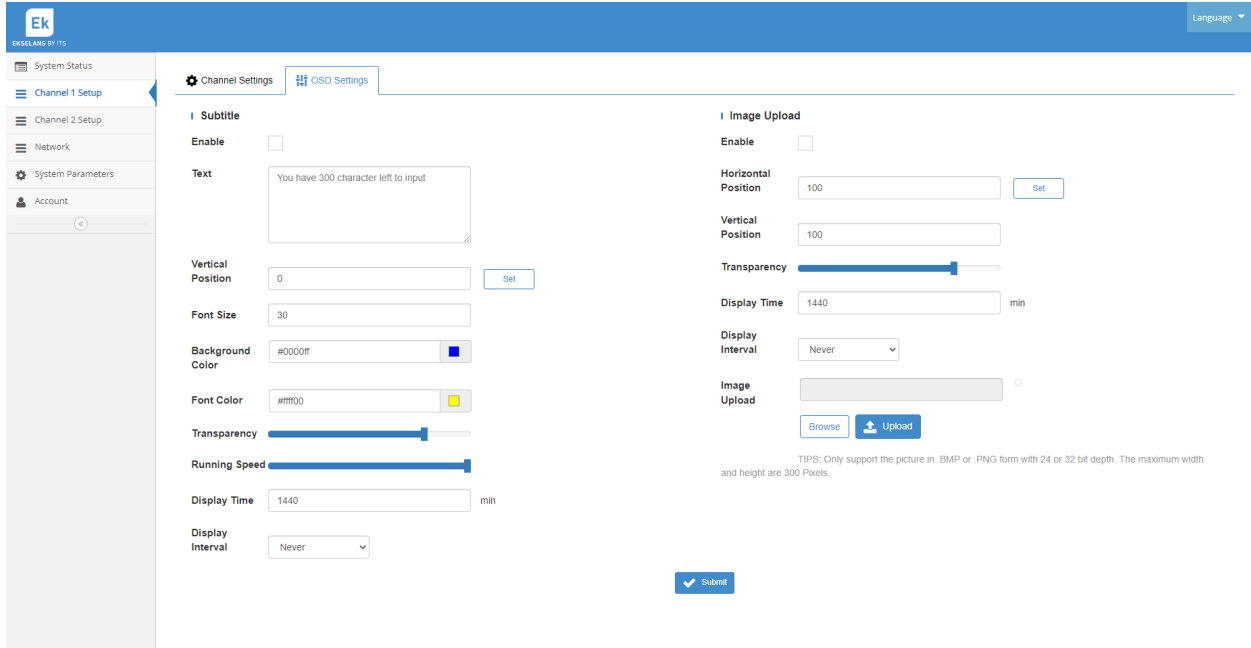


Configuration of Channel 1 or Channel 2:

This menu consists of two sub-menu. In the first we will configure the TS and the Output. Also, in the list of programs, we will have the URL generated for each type of output that we configure.

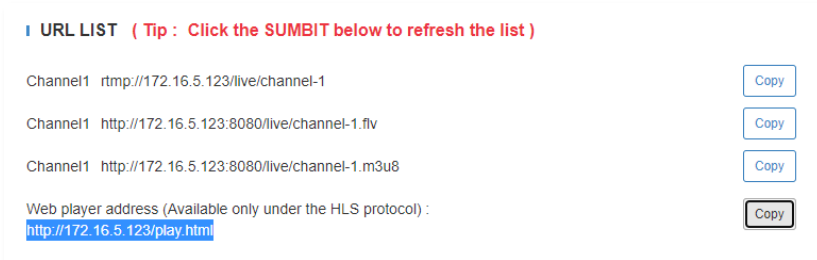
In the second sub-menu we can configure a subtitle and an image that will be superimposed on the image of that channel.





Web Player:

Copying, the marked address, in a browser



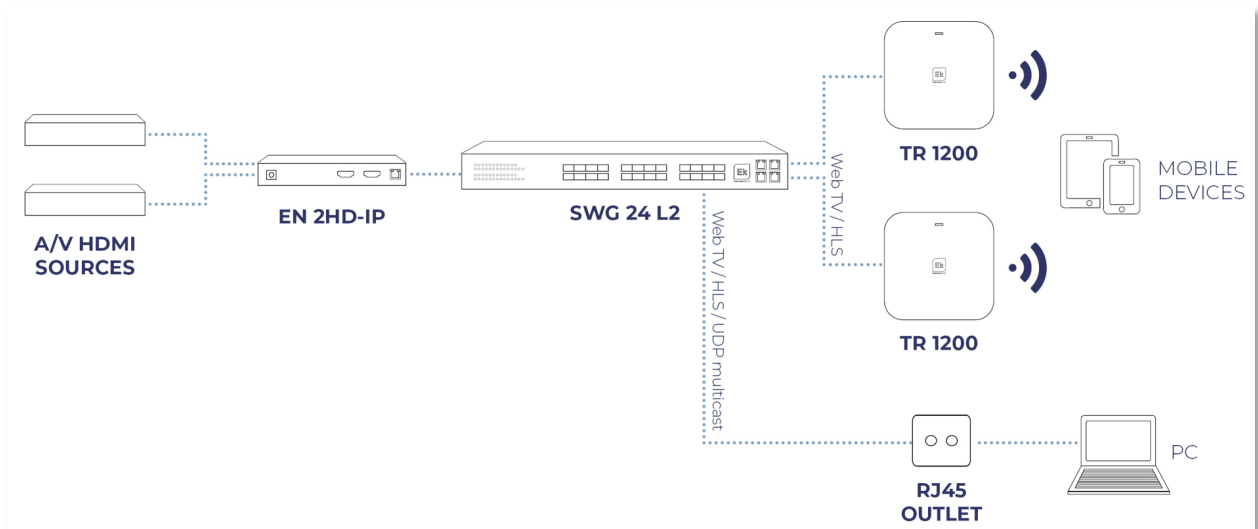
it will play a page served from encoder with two buttons where we can select any of the two HDMI channels of the input. In this way we can play any of the two channels on any device equipped with a browser.

In the event that you intend to play this page from a device outside our network, you will have to redirect the relevant ports, port 80, on the Router correctly.



INSTALLATION SCHEMES:

Local Network Installation:



Installation for transmission to the internet:

