

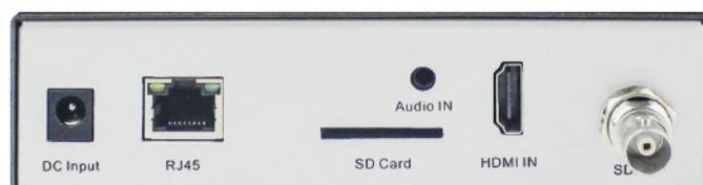
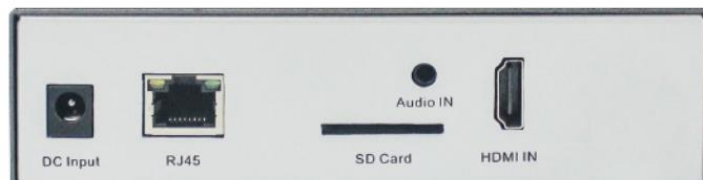
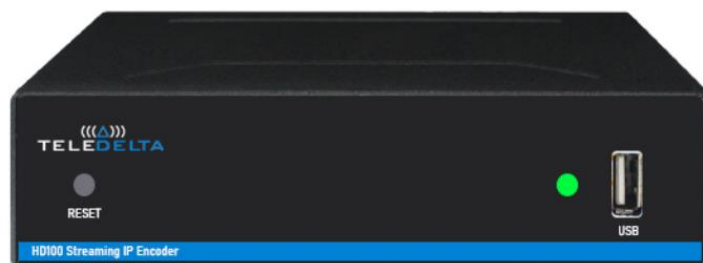


## Quick Start Guide

*HD100 Series Encoder*  
HDMI/SDI/SD Card Encoder with IP Output

Shipping IP Address: [192.168.1.100](http://192.168.1.100)

UN / PW: admin / admin



## Contents

Electrical and general safety .....	2
General Precautions.....	2
Important note.....	2
Introduction .....	2
Installation .....	3
Logging In .....	3
Status Page:.....	3
Navigating the HD100 Menu.....	4
Live Service / Streaming Settings .....	4
Comment on YouTube / Facebook and 3 <sup>rd</sup> Party Streaming .....	5
Authorize your Device (YouTube / Facebook) .....	5
Manual Encoder Setup (UDP, RTMP, RTMPS, HLS, RTSP).....	6
Basic Settings .....	6
Advanced Setting .....	7
Record / FTP Upload Settings .....	8
Recording to USB / SD Card .....	9
FTP Upload .....	9
Playback and Streaming.....	10
Output Settings (Playback).....	10
Overlay Settings (Text and Images) .....	11
Text Overlay .....	11
Picture Overlay.....	12
System Settings.....	12
Reboot / Factory Setting and Logging.....	13
Technical Support .....	13
Document Information .....	14

## Electrical and general safety

Any personnel installing, operating or working on TeleDelta equipment should be suitably qualified and follow recommended best practice safety procedures surrounding Electrical / IT and Broadcast systems.

Under no circumstances should persons remove the cover of any TeleDelta products without written permission from TeleDelta – doing so will void any warranties.

### General Precautions

- Operate the HD100 in a dry, dust free environment
- Unless qualified, do not open the cover of the HD100, doing so may void all warranty purposes.
- Exercise caution when operating any electrical device, do not operate any device unless you are qualified to do so.
- Do not stick your fingers into a light bulb socket.

### Important note

All figures and numbers displayed in the screenshots in this example document may have been altered for testing purposes.

It is highly recommended that you define your own settings based on your situational needs.

## Introduction

This document outlines some of the precautions users must maintain when installing, servicing and operating the TeleDelta HD100 Series and is designed to assist installers, re-sellers and operators with the installation, setup and long-term support for the HD100 series encoders.

It is also designed to serve as a quick start guide when setting your encoder.

This document is not specific to any particular operation and is designed to be a quick 'turn key' style release.

It is highly advised that you seek out professional advice from a TeleDelta representative or a qualified reseller partner.

For additional technical information please email: [engineering@teledelta.com](mailto:engineering@teledelta.com)

A reasonable understanding of IP / IPTV, Broadcast and IT Parameters Infrastructure is required to operate and maintain this hardware.

## Installation

1. Connect your peripheral cables (HDMI/SDI and MIC) to the correct ports on the back of the unit. Insert the SD card or USB disk if you are going to be using either of these media for recording or playback.
2. Connect an Ethernet cable from a management network to the unit RJ45 port. During the initial set up of your device it is advised you do this to a local terminal before introducing it to your network.
3. Connect the power adapter, the unit will automatically boot itself once power is applied.

**Note: It is important to maintain appropriate ventilation when installing. When installing the HD100 into a rack environment please allow 1/3 RU above and below your installation for appropriate ventilation. Inappropriate ventilation may cause heat dissipation issues which in turn can damage your unit.**

## Logging In

The HD100 can be managed through its web-based GUI.

1. Open a web browser (Internet Explorer, Firefox or Chrome; Edge is not recommended) and navigate to the HD100 IP address:

**IP Address of HD100 is 192.168.1.100**

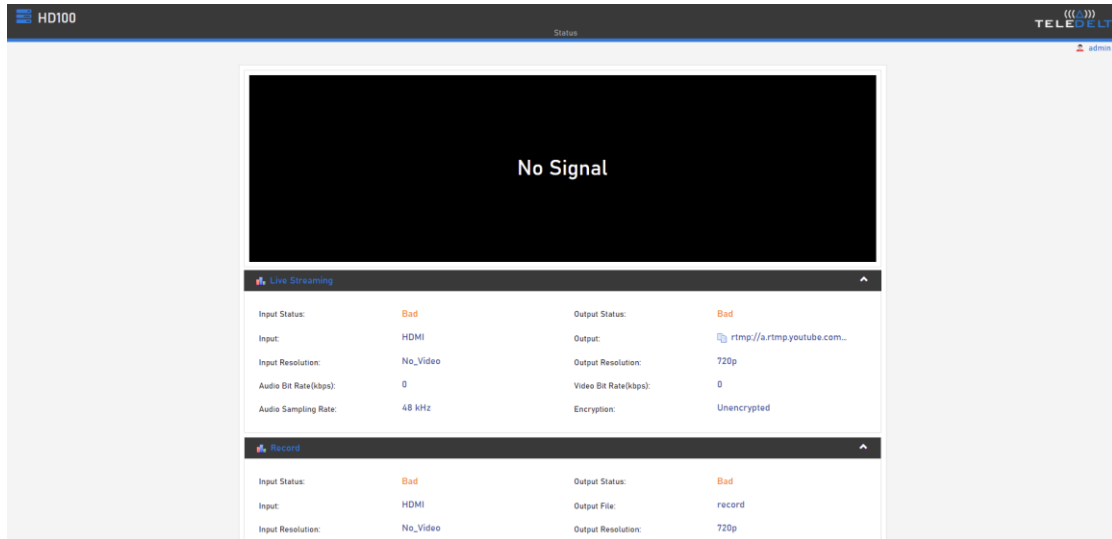
**Login parameters are:**

**Username: *admin* Password: *admin***



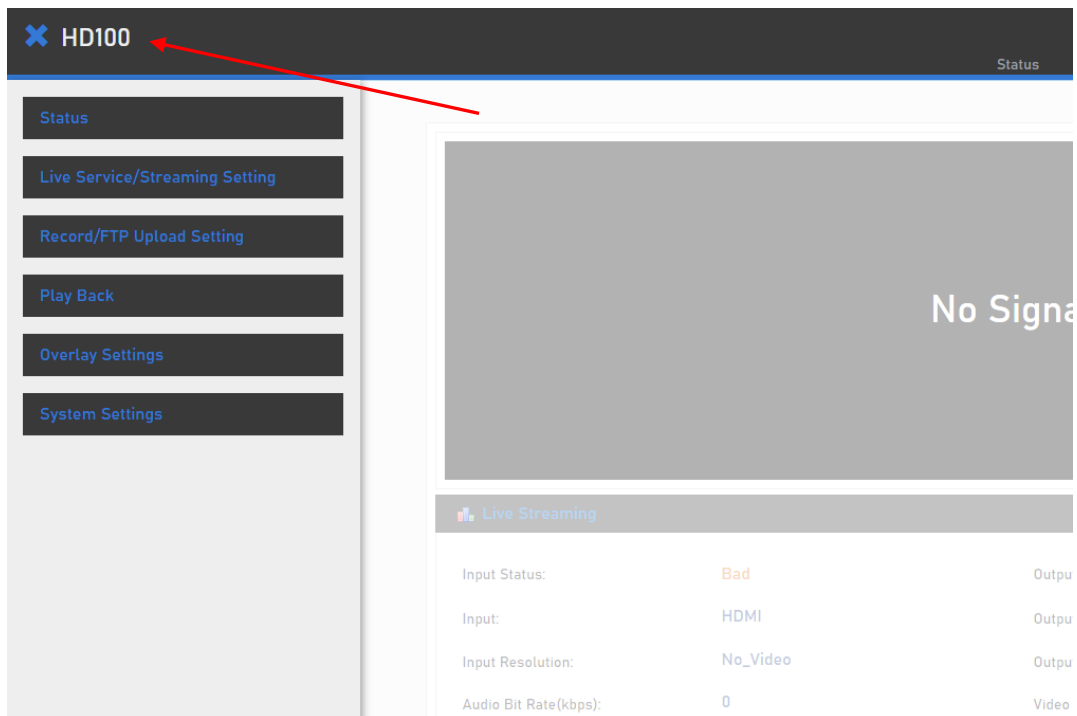
## Status Page:

Once logged in – you’ll be presented with the below landing page which has key monitoring and system information on the HD100s status, this is the status page



## Navigating the HD100 Menu

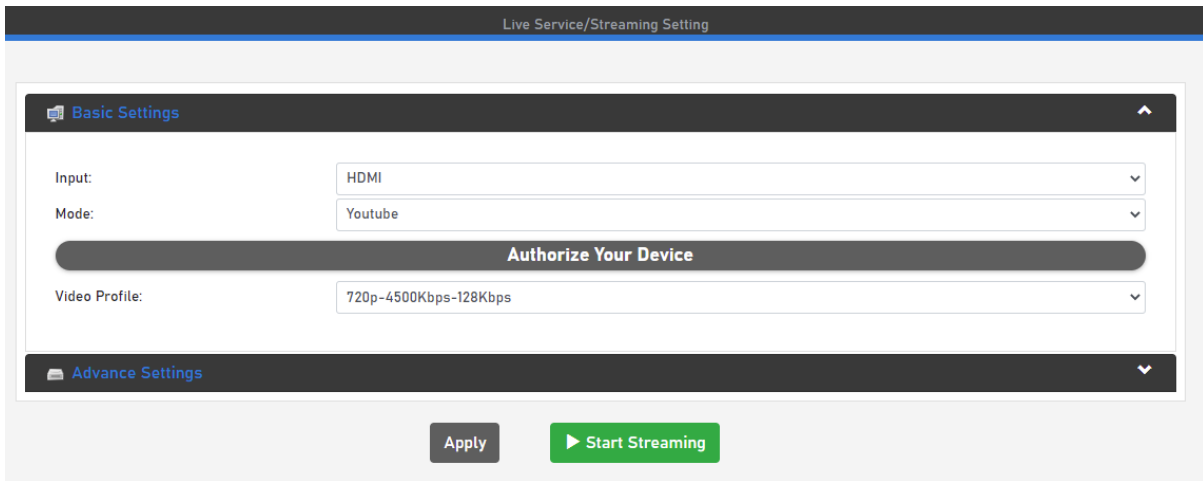
Clicking on the HD100 Logo (Top left-side) produces a drop-down menu (below) for navigation around the unit, from here users can setup and manage the HD100 parameters



## Live Service / Streaming Settings

From the menu – select Live Service / Streaming Settings – from this menu users can setup the input (HDMI / SDI) encoding parameters and select either default or advanced system setups.

The landing page may be similar to the below – allowing a “Basic Settings” streaming to specific output locations (i.e., YouTube) – users can configure the setup as required – detailed below

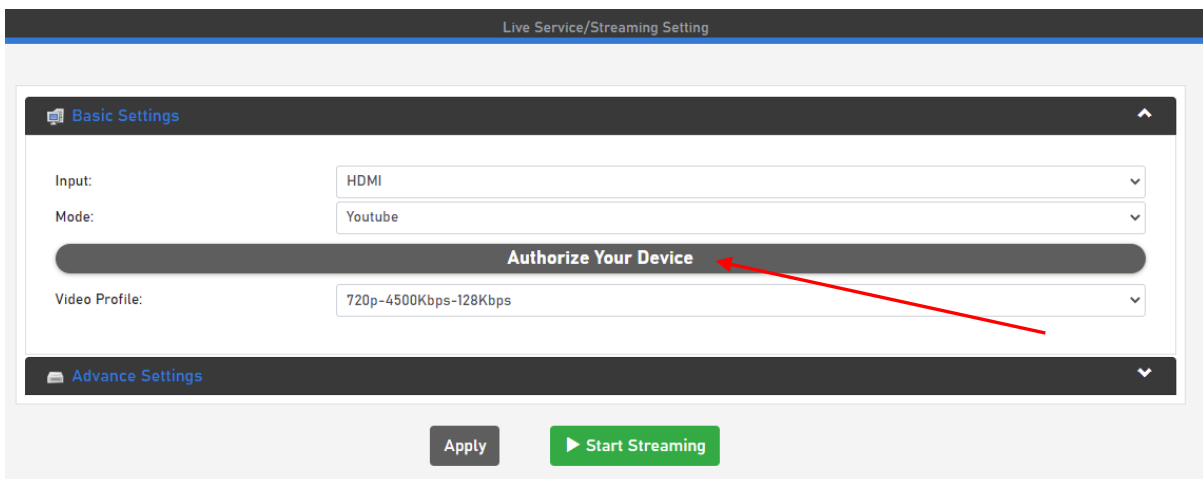


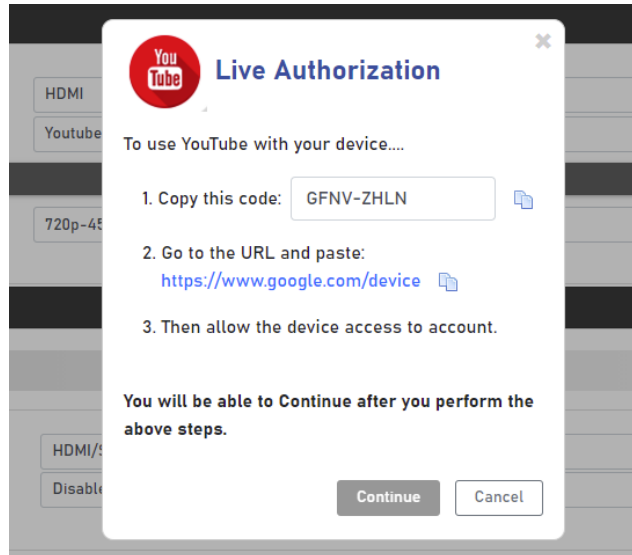
### Comment on YouTube / Facebook and 3<sup>rd</sup> Party Streaming

Standards and requirements for streaming to 3<sup>rd</sup> party platforms including YouTube, Facebook and similar commonly change – the below is a guide only and users should seek advice from the streaming service provider to confirm their setup is compatible with the streaming provider

### Authorize your Device (YouTube / Facebook)

Once a basic configuration is setup, users can authorise their stream with the 3<sup>rd</sup> party streaming service by clicking “Authorize Your Device” – this code information will be required by the streaming service.





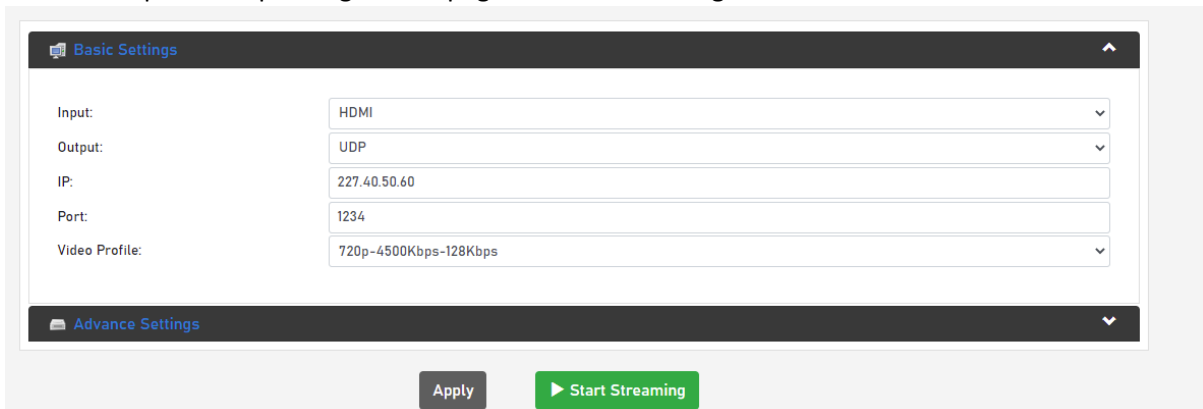
Follow the steps to authorise your stream – please consult the streaming service provider (YouTube / Facebook) for more standards information if required.

### Manual Encoder Setup (UDP, RTMP, RTMPS, HLS, RTSP)

Users can manually setup the encoder to meet their requirements – the below is an example of UDP Multicast setup. The HD100 will also support a range of 3<sup>rd</sup> party streaming standards for internet delivery including RTMP, RTMPS, HLS, RTSP – please consult your 3<sup>rd</sup> party streaming service provider for their exact setup requirements to enter into the HD100 encoder.

### Basic Settings

Provides a quick-setup configuration page to start streaming



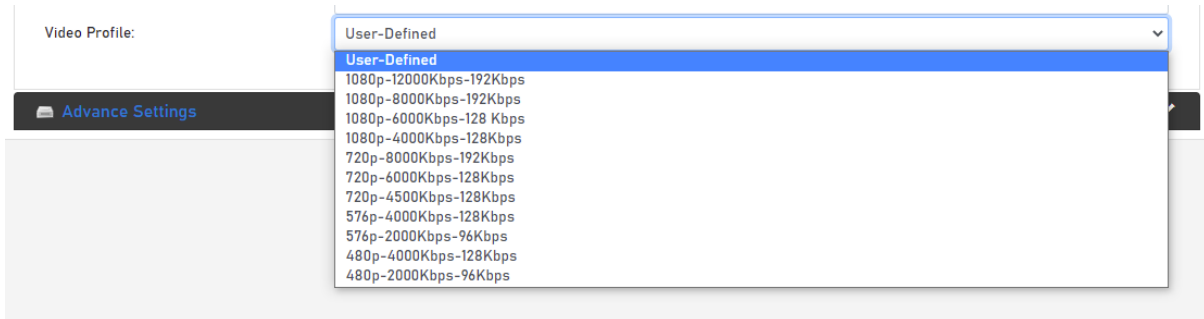
**Input:** Select the Input Source HDMI or SDI (inputs are model dependent)

**Output:** Streaming Output Format selection (this example is for UDP Multicast)

**IP:** Streaming IP output port (this is the UDP multicast output address, for example an 224.2.2.2 format of equivalent multicast standard address format is required)

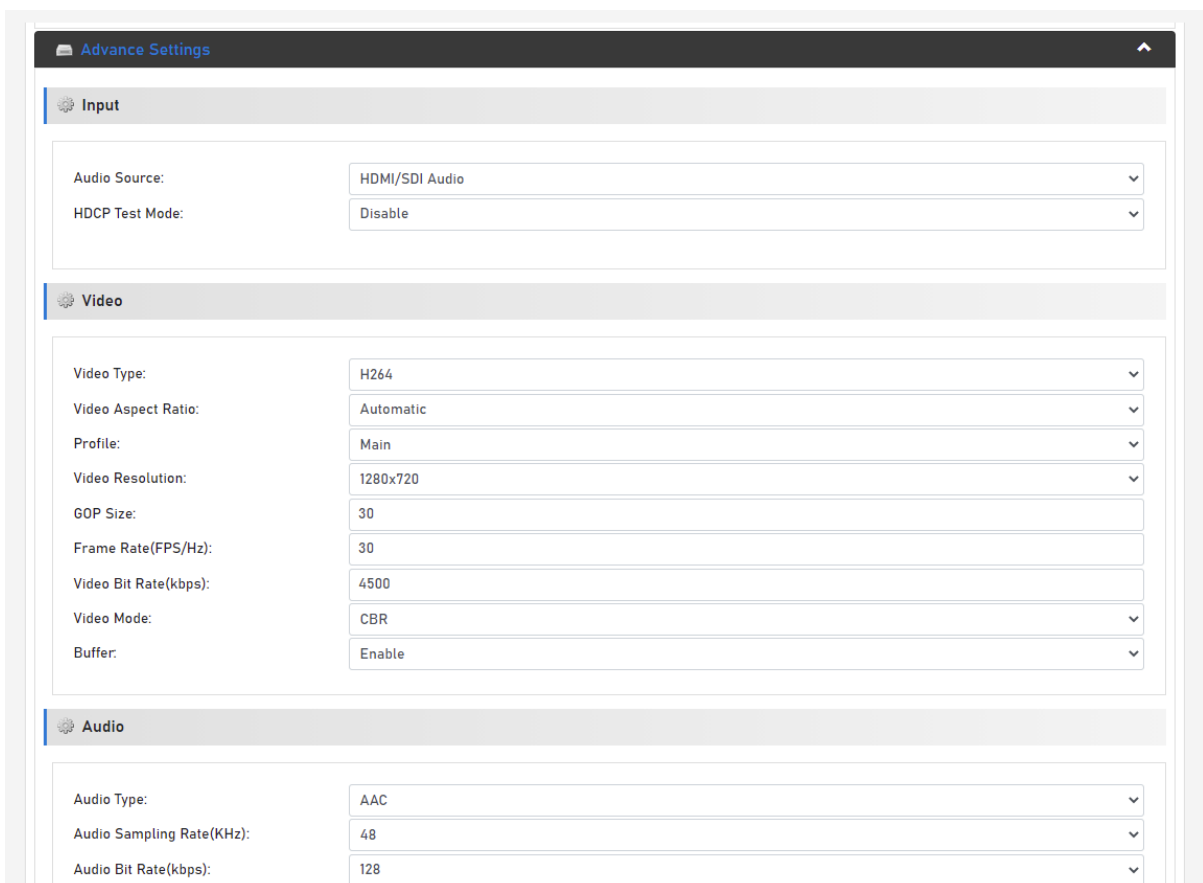
**Port No:** Specify the UDP multicast output port address

**Video Profile:** Pre-defined output video profiles or select “User-Defined” from the drop-down to create a separate streaming profile from the Advanced Settings Page (below)



### Advanced Setting

Users can alter basic setup parameters as required – A general understanding of encoder setups, bitrates and streaming is recommended prior to making adjustments to the below.



Once users have defined either basic setup or advanced setup parameters, users should select “Apply” to have changes take effect. “Start Streaming” will start the encoders stream out content.



Audio Sampling Rate(KHz):	48	▼
Audio Bit Rate(kbps):	128	▼

**Apply** **▶ Start Streaming**

## Record / FTP Upload Settings

Users are able to record and upload recordings to USB / SD cards or FTP sites via the HD100 encoders (not a USB / SD card is required for FTP recordings)

**Note: It is highly recommended that a high-quality USB / SD Card is used with a minimum write speed of 30MB/s and 32GB of storage.**

From the HD100 Menu – select Record / FTP Upload Settings – you will be presented with the below page:

Be sure to wait for the recording to finish and remove it safely before unplugging USB or SD.

USB: **USB Not Inserted**

SD: **SD Not Inserted**

Storage Device:

Record File Format:

Record Name:

Record Mode:

**Apply** **▶ Start Recording**

---

### FTP Upload

Anonymous Login

Upload recording file to FTP automatically

Delete the local file after successful uploading to FTP automatically

Upload Path:

FTP Username:

FTP Password:

<input checked="" type="checkbox"/> Select All	Name	State
No Data		

**Apply** **Start Uploading**

Before starting a recording – ensure the USB / SD Card is inserted into the HD100 and recognised by the unit.

Be sure to wait for the recording to finish and remove it safely before unplugging USB or SD.

USB: **USB Not Inserted**

SD: **SD Not Inserted**

Storage Device:

Record File Format:

### Recording to USB / SD Card

Enter the desired setup parameters as below – Ensure the Recording has completely stopped prior to removing the USB or SD card from the HD100.

**Storage Device:** Select either USB or SD Card for recordings

**Record File Format:** Select either .TS (Transport Stream) or encoded .MP4 or .MOV

**Record Name:** Select a file Name

**Record Mode:** Select either:

*Looping – which will continuously loop recordings*

*Size – Select the desired size of recording*

*Time – Select the desired time (length) of recording*

### FTP Upload

Consult with your FTP provider for the correct FTP string paths and required credentials for logging in to the FTP server – enter these details into the FTP settings as below:

Anonymous Login

Upload recording file to FTP automatically

Delete the local file after successful uploading to FTP automatically

Upload Path:

FTP Username:

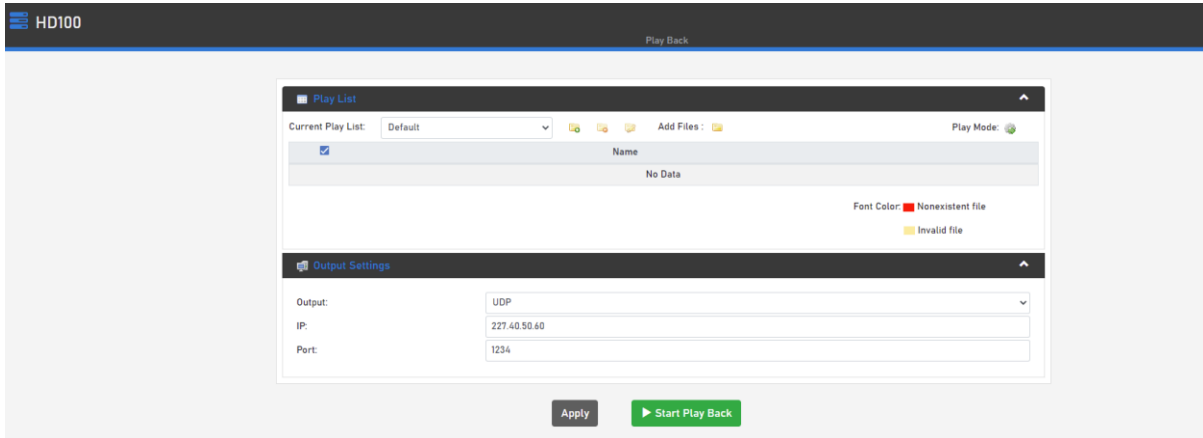
FTP Password:

<input checked="" type="checkbox"/> Select All	Name	State
No Data		

### Playback and Streaming

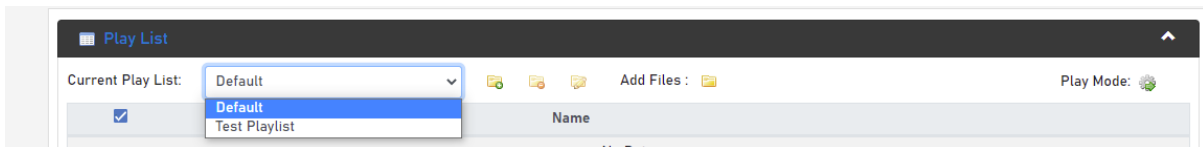
The HD100 can stream content from USB or SD card as IP streams – ensure files are saved to the USB stick or SD card in a .TS (transport Stream) format for playback.

From the HD100 Menu select the Playback Page (below)



From this page users can create a new playlist, edit and add content to this playlist as required. Once a playlist is created and content selected this content can be assigned to an IP streaming output.

#### Current Playlist – Select the Desired Playlist to Edit / Add Content too



**Add Playlist Icon** – Create a new playlist

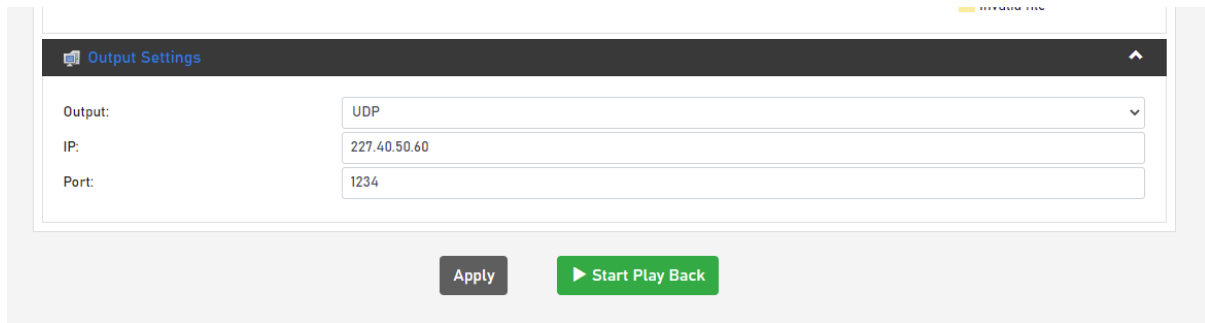
**Default Playlist Icon** – Deletes the selected playlist

**Modify Playlist Icon** – Modify the selected playlist configuration

**Add Files** – Allows user to add and assign files to playlists.

### Output Settings (Playback)

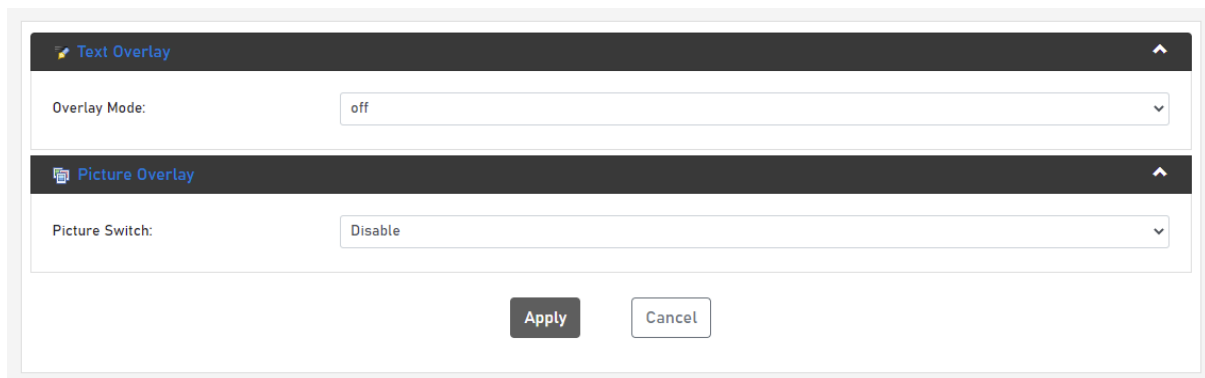
Once a playlist has been created and content assigned users can configure the IP output setup (below) options include UDP, RTMP, HLS and RTSP output – setup parameters should be configured in a similar way to the Live Service / Streaming Setting Page configuration.



## Overlay Settings (Text and Images)

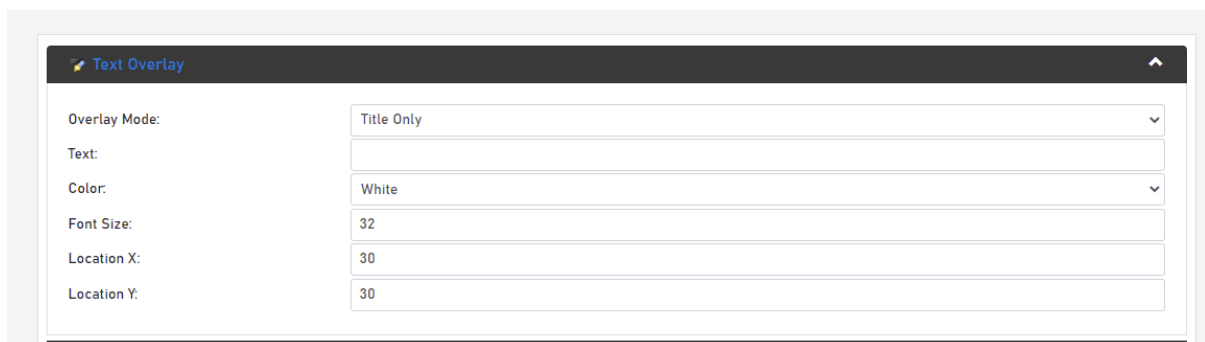
The HD100 allows users to upload and overlay text content or imagery content as backgrounds to the IP stream.

Select the Overlay Settings from the HD100 menu bar – you are presented with the below



## Text Overlay

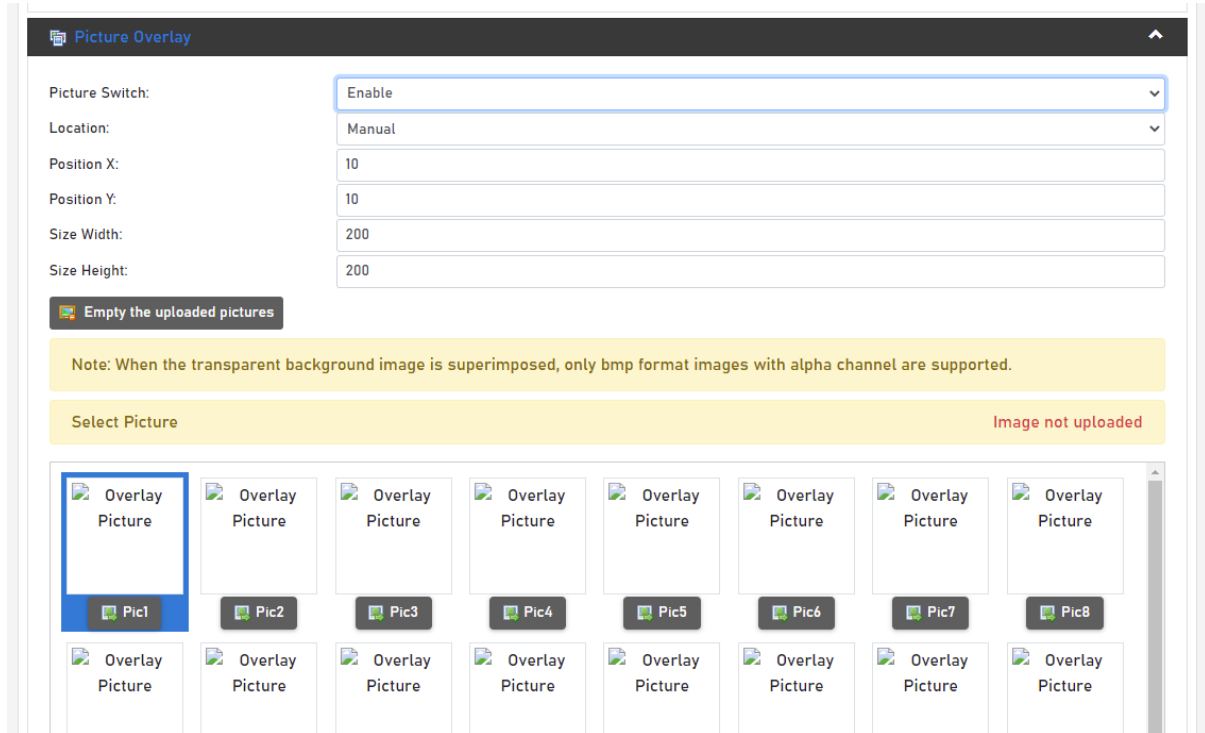
Allows users to add titles and wording to streaming outputs – the location of the text on the screen is dependent on the X and Y co-ordinates of the layout.



## Picture Overlay

Allows users to upload a partial or full-screen image onto the IP output stream. If using a full-screen image, ensure the image resolution matches the IP stream output resolution.

Note: It is recommended to keep all imaged less than 5mb in size when uploading



## System Settings

Settings and Information including Licences on the HD100 Encoder. Accessible from the HD100 Menu.

### Key Information / Values

**Version:** States current SW and HW versions of HD100

**Web Access Portal:** Additional security parameters that can be enabled for remote management

**Licence Information:** Current Licences and optional licences on the HD100

**Network Information:** HD100 IP setup information (below)

Network	
Network Mode:	Static
IP Address:	192.168.15.140
Subnet Mask:	255.255.255.0
Default Gateway:	192.168.15.254
Dynamic DNS:	Disable
Primary DNS:	192.168.15.10
Secondary DNS:	8.8.8.8

Apply Cancel

**NTP Server Setup:** Time / Date Setup Information

**System Operation:** Upgrade, Licence and Configuration Import and Export Options. (unless units are to be upgrades, new licences or configuration changes these menus are unlikely to be used.

[Reboot / Factory Setting and Logging](#)

From the System Setting menu users can reboot, factory reset and log certain functions on the HD100 (as below) – Note log files are exported as .gz file.

Other Operation

Reboot Factory Settings Log Export Log Clear

[Technical Support](#)

For additional technical information and guidance on the HD100 please contact [engineering@teledelta.com](mailto:engineering@teledelta.com)

If you are experiencing streaming issues with 3<sup>rd</sup> Party Service providers (such as YouTube or Facebook) please ensure you have consulted their most recent streaming setup requirements prior to contacting TeleDelta

## Document Information

---

Revision	2.1
Released	8th April 2021
File	HD100 Quick Start Guide

---