



# EMS

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Easy Media Suite  
[www.easymediasuite.com](http://www.easymediasuite.com)

# Easy Streamer User Manual

(Easy Streamer v 6.1.0.0)

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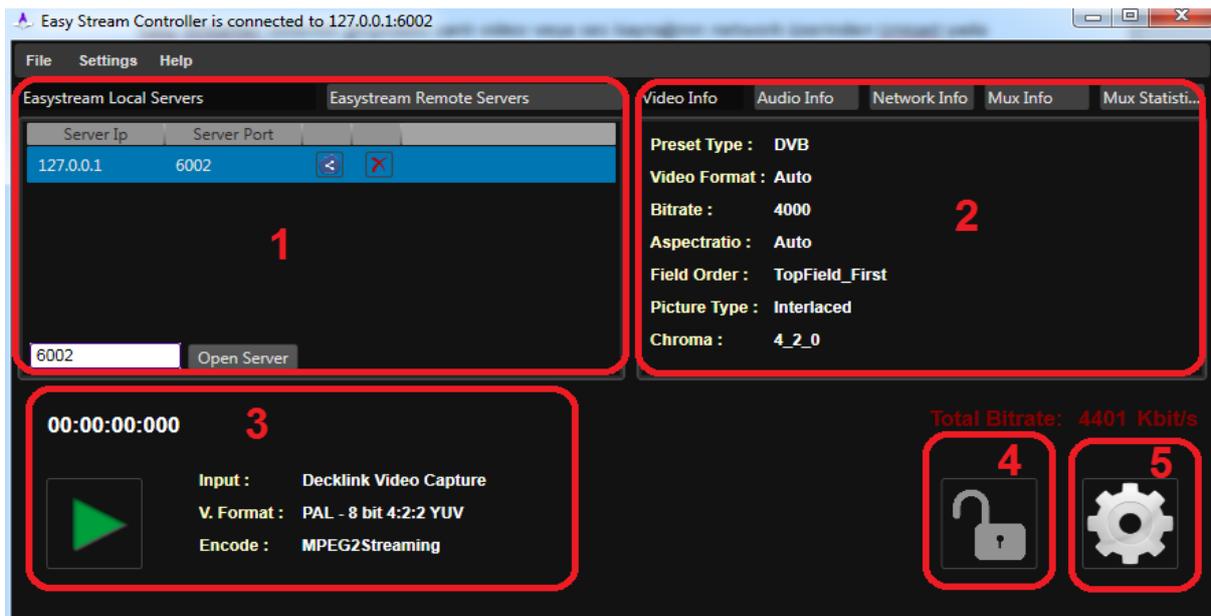
# 1. Overview

Easy streamer system in the entrance through the network of live video or audio source over Unicast or Multicast provides the IP address and the port to the stream.

## 2. Software

### 2.1. Easy Streamer

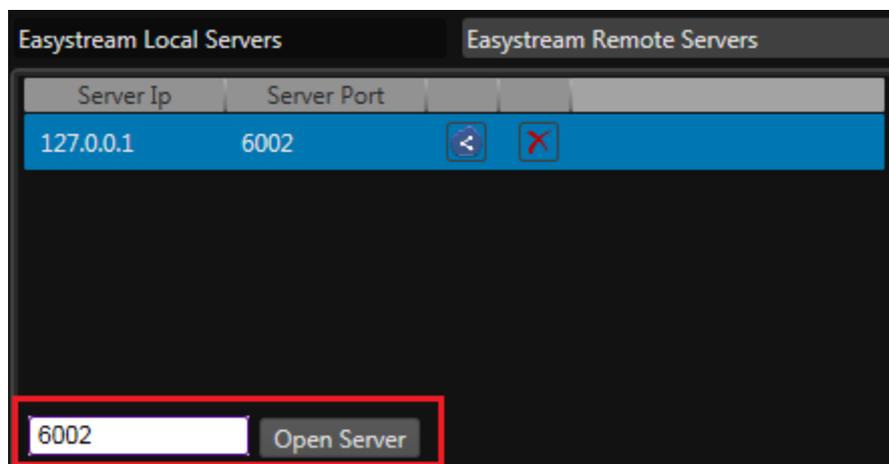
When running Easy Streamer program Graphic 1 'comes out as in a screen. This interface includes section we have listed below.



Graphic 1

#### 2.1.1. Local Server (Figure 1 – Part 1)

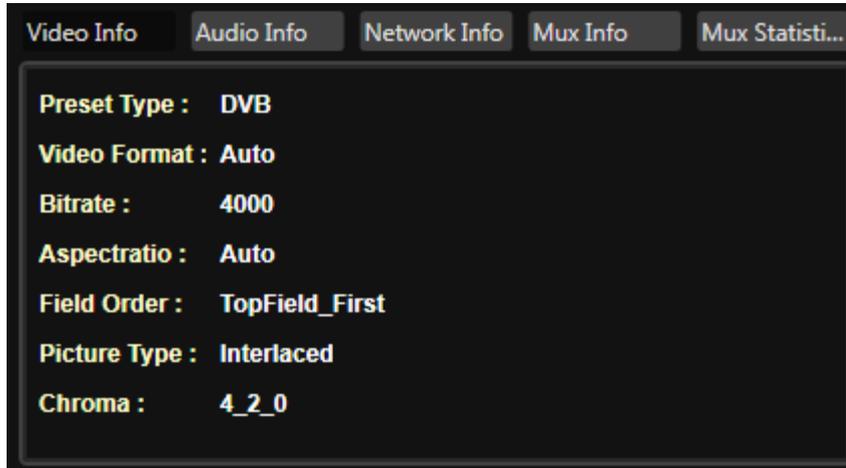
Easy Streamer server portion of the program (Figure 1 - Part 1) is installed in the system can manage the local Easy Streamer program or with the remote control feature can manage any IP and Port in Easy Streamer programs. Easy Streamer Remote Servers tab to control the passing of the system that have the desired Easy Streamer program by entering the IP address and port added to the list.



Graphic 2

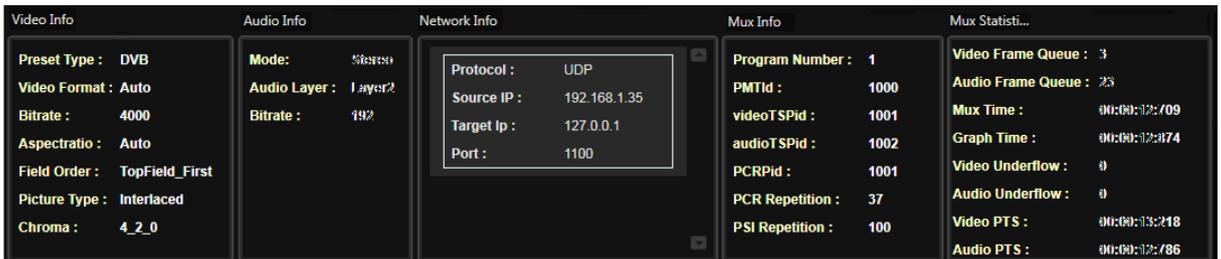
### 2.1.2. Stream information (Figure 1 – Part 2)

Easy Streamer program in (Figure 1 - Part 2) Information section Video, Audio, LAN, mux and Mux statistics, including 5 pieces of information display. (Figure 3).



Graphic 3

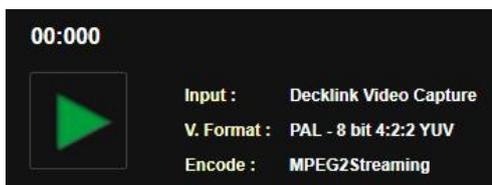
The information available from the settings screen on the Easy Streamer program this information can be displayed quickly.



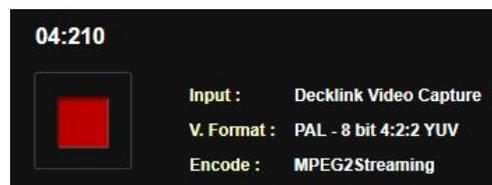
Graphic 4

### 2.1.3. Play Button (Figure 1 – Part 3)

Easy Streamer program is being broadcast on the Play button that appears in our work and our starting, stopping next to the entrance, the selected card, v.format, the format in which the video is posted and shows the information stream.



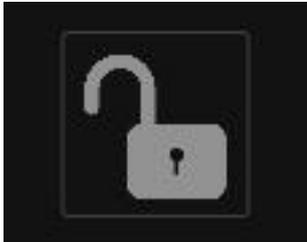
Graphic 5



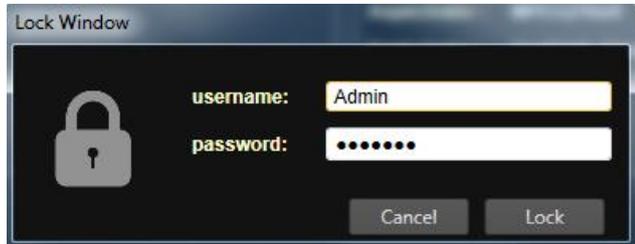
Graphic 6

### 2.1.4. Locking Program (Figure 1 – Part 4)

The lock button on the Streamer programs for our program can be locked to prevent tampering by others. Default User Name: Admin Password : emslock as it is entered.

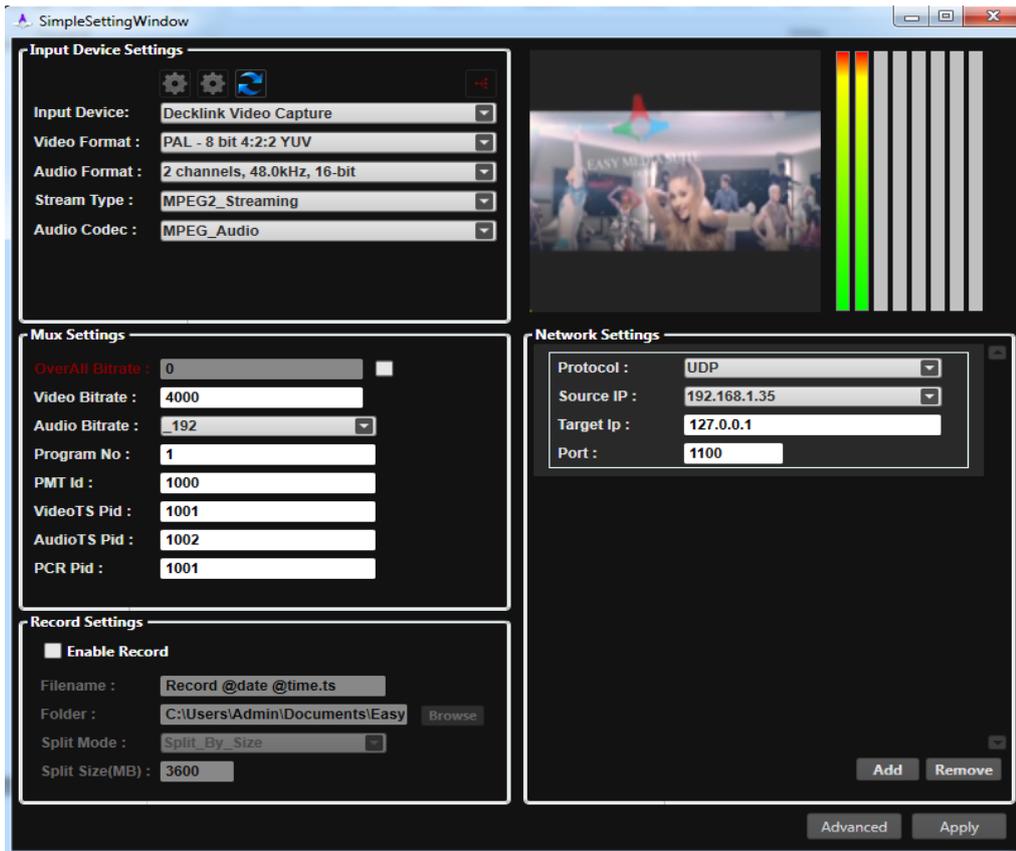


Graphic 7



Graphic 8

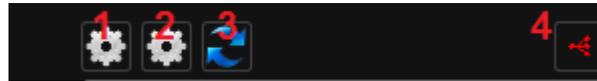
### 2.1.5. Settings (Figure 1 – Part 5)



Graphic 9

## 2.1.5.1. Input Device Settings

### 2.1.5.1.1. Setting Button



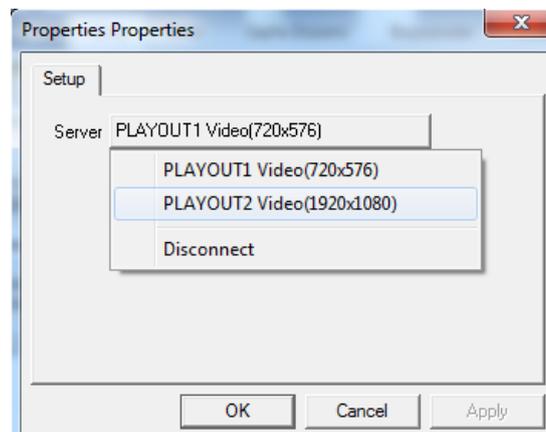
Graphic 10



Graphic 11

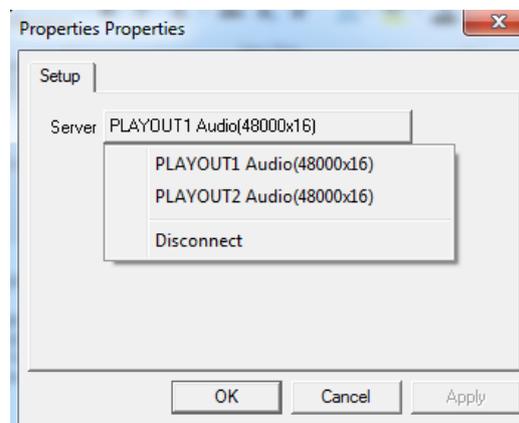
**Video Settings:** When you click number 1 button then in graphic 11 window opening. Easy Stream able to send multiple stream when you select servers. Payout Video output which, if pressed Server that this output is selected and approved.

**Restart:** The third button is clicked to restart input device settings.



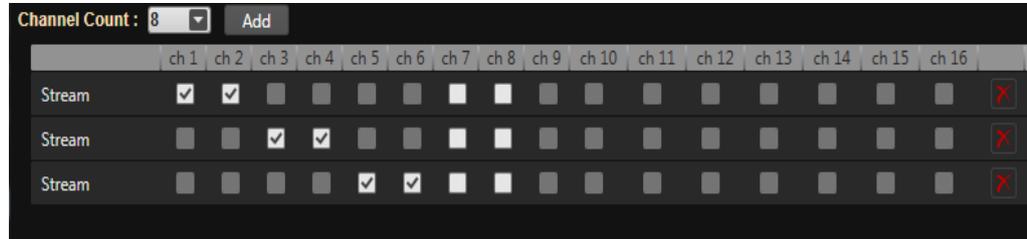
Graphic 12

**Audio Settings:** When you click number 2 button then in graphic 12 window opening. Easy streaming to send more than one stream then you have to choose their servers selected. If the audio output of which is published in this Payout Server that output must be selected and approved.



Graphic 13

**Channel Routing:** Routing is performed for the audio channel. After clicking on the fourth button on the screen that the number of channels selected. Easy Stream routing which channel is to be made that the channel selection is choose and approved.



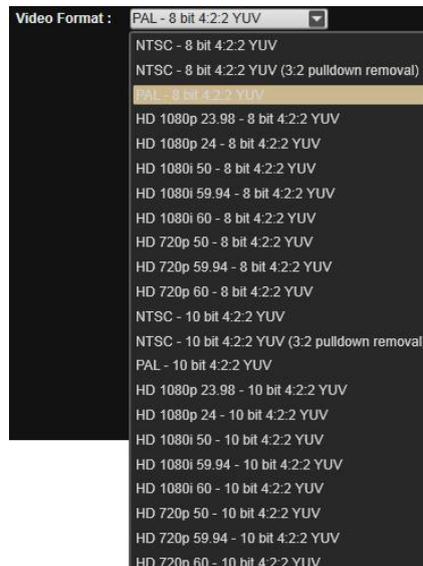
Graphic 14

**2.1.5.1.2. Input Device:** Easy Encoder input will be used in conjunction with the program are selected on the system board.



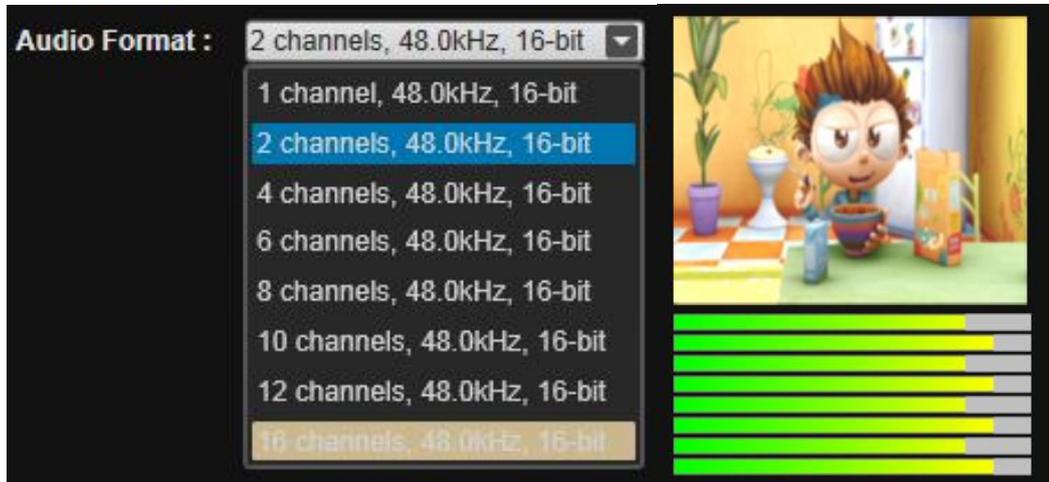
Graphic 15

**2.1.5.1.3. Video Format:** The video signal from the video card format, according to the incoming signal is coming in which format should be selected. The signal at the correct format when the video input source selected in the preview window Figure 9 'We have seen from out image as follows



Graphic 16

**2.1.5.1.4. Audio Format:** The sound of the publication will be sent to as many channels selected will be sent. More than 2 channel audio only H.264 Streaming supports.



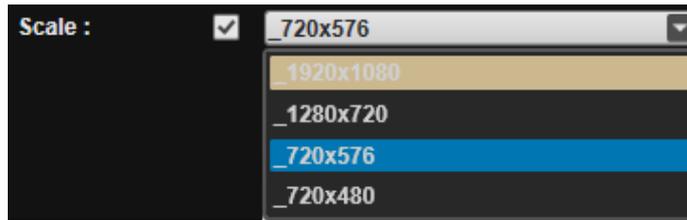
Graphic 17

**2.1.5.1.5. Stream Type:** The publication will be sent should be selected which will be sent by encoding. MPEG2\_Streaming and H264\_Streaming is commonly used in professional publishing. MPEG2\_Streaming\_Only\_RTP and H254\_Streaming\_Only\_RTP also RTMP Streaming is used in the web publishing. . MPEG\_Audio\_Streaming and AAC\_Audio\_Streaming radio broadcasting in the field is only used to send audio



Graphic 18

**2.1.5.1.6. Scale:** The resolution of the image to be sent value having a certain resolution and If you do not want to pass this value then in Graphic 18 made of your choice.



Graphic 19

## 2.1.5.2. Mux. Settings

- 2.1.5.2.1. **OverAll Bitrate:** : When the checkbox is checked here, for an OverAll Bitrate value Bitrate is entered. According to the overall bitrate value entered here automatically Video Bitrate and Audio Video Bitrate value are set by the system.



Graphic 20

- 2.1.5.2.1. **Video Bitrate:** The quality of the broadcast will be sent is determined by the quality of the purchaser's request or according to the transmission rate. If the "overall Bitrate" The Checkbox selected "Nulla Pack" Checkbox is activated. "Nulla Pack" Null Packets is selected (empty packages) it sends.



Graphic 21

- 2.1.5.2.2. **Audio Bitrate:** The quality of sound will send the request to the receiver or by the transmission rate should be determined according to quality.



Graphic 22

- 2.1.5.2.3. **Program No, PMT Id, VideoTS Pid, AudioTS Pid, PCR Pid:** The number of programs to be encoded and the PID values are entered. All PID range: from 0 ~(to) 8192 can be entered. Value by the user or the receiving device from replaceable. However, the PID 's different values, it is necessary to ensure that input.

Program No :	1
PMT Id :	1000
VideoTS Pid :	1001
AudioTS Pid :	1002
PCR Pid :	1001

Graphic 23

### 2.1.5.3. Recort Settings

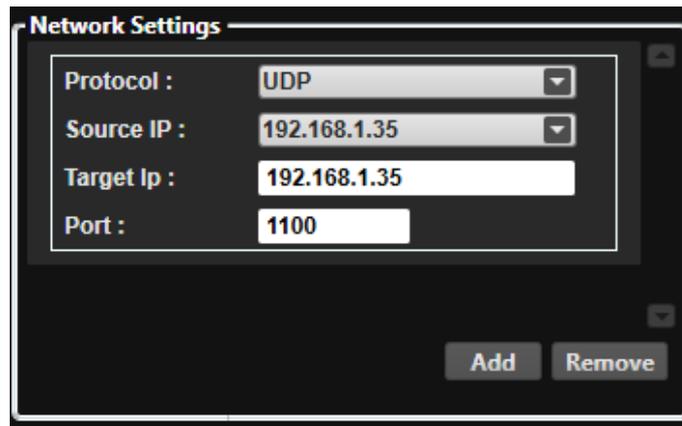
When the Enable Recorder option is selected (Figure 24) ,our source video from our video capture card at the same time 'in the menu to save the the MPEG-TS recording options open.

- 2.1.5.3.1. **Filename :** In this section we tag our video will be recorded . Sample: Record @date @time.ts (@) Signs here after reviewing our benefits from adding the name of our information listing.
- 2.1.5.3.2. **Folder :** Register to record the location of the video file will be selected.
- 2.1.5.3.3. **Split Mode :** The recorded file in the desired time or size option in the partition.
- 2.1.5.3.4. **Split Size :** In some of the recorded file in the required time in milliseconds, or any size in kb is set some time in the auto division.

Graphic 24

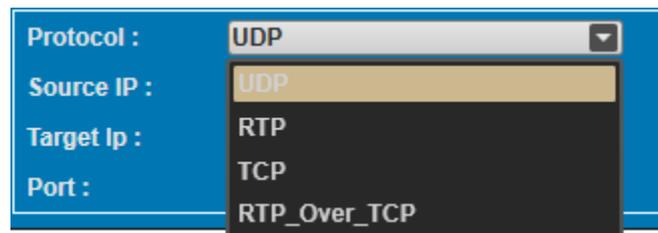
### 2.1.5.4. Network Settings

This section is where you should enter the Protocol, Source IP, Target IP and Port information. If desired to create more than one link is clicked the Add button and enter the information. Remove button is made with the deletion process.



Graphic 25

2.1.5.4.3. **Protocol:** Of networked devices, should be select it one of these protocols to determine of how to communicate, how to send the data, how will get data.



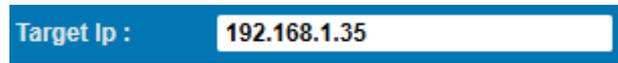
Graphic 26

2.1.5.4.4. **Source IP:** The IP address that is defined in the broadcasting system be selected. This system can also be received automatically by IP address, or the user can be identified by the IP address of the network card. If the system has more than one network card is which network card from the publication will be sent in order to select the Source IP section.



Graphic 27

**2.1.5.4.5. Target IP:** IP address of the device in the receiving portion of the post is inserted. A direct connection from point to point IP address is entered or The broadcast made using the Internet to the receiving party external IP have entered. Inside the desired port forwarding to the IP steam is delivered in this way. If you do not know your modem port forwarding or selling your company you need to contact the technical department.



Graphic 28

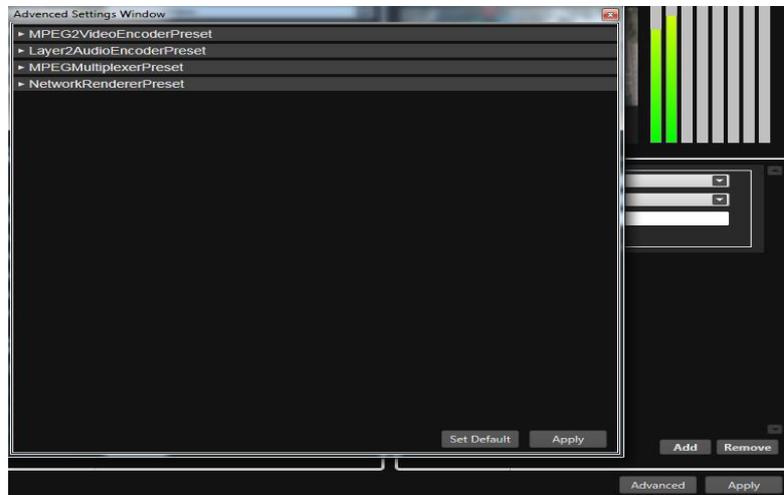
**2.1.5.4.6. Port:** PORT number of devices in the receiver portion of the broadcast is entered.



Graphic 29

## 2.1.6. Advanced Settings

Easy Encoder “advanced settings menu”, you can access the Advanced menu in the settings screen.



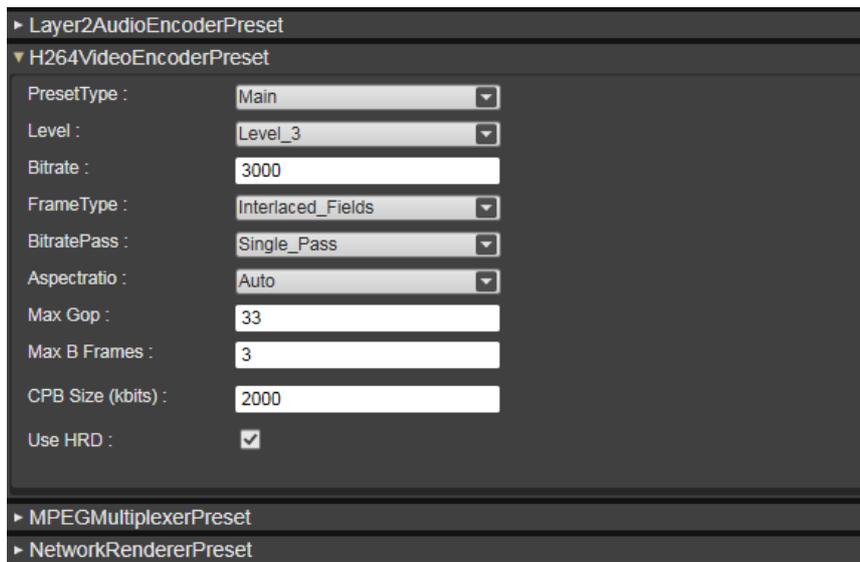
Graphic 30

**2.1.6.1. Layer2 Audio Encoder Preset (Graphic 31) :** The encoder software becomes active if Stream Type MPEG2 selected. When Layer 2 is the default audio settings come ready to also you can edit the default.



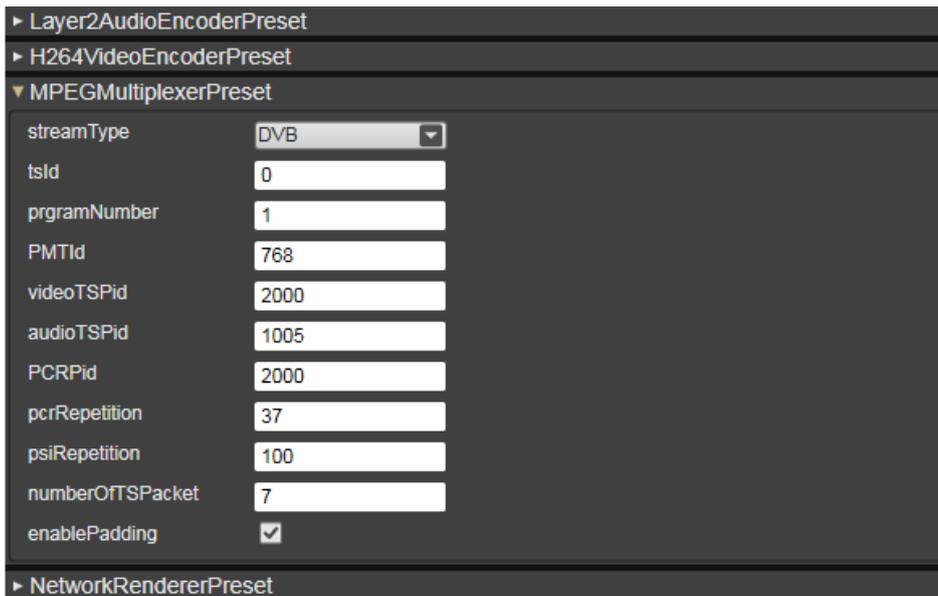
**Graphic 31**

**2.1.6.2. H264 Video Encoder Preset (Graphic 32) :** The encoder software becomes active if Stream Type H264 selected. H264 settings is to come ready to use also you can edit the default.



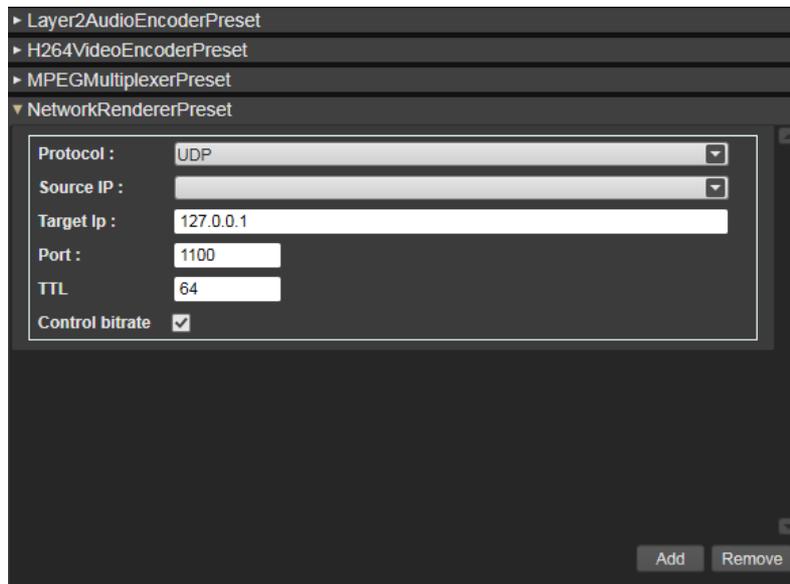
**Graphic 32**

**2.1.6.3. MPEG Multiplexer Preset (Graphic 33) :** MPEG multiplexer menu is used common to all streams. The Stream Type options DVB, Transport Stream or Program Stream can be selected. The number of programs and PID values can be changed from this menü  
**(Bknz 2.1.5.2.4.-Page 7)**



Graphic 33

**2.1.6.4. Network Render Preset (Graphic 34) :** Network Renderer is selected as the menu Stream Protocol UDP, RTP or TCP. Source, Target and port values can be changed in the same way (Bknz 2.1.5.4.2, 2.1.5.4.3, 2.1.5.4.4 )

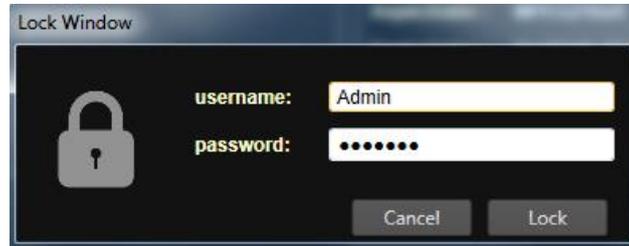


Grafik 34

## 2.1.7. File

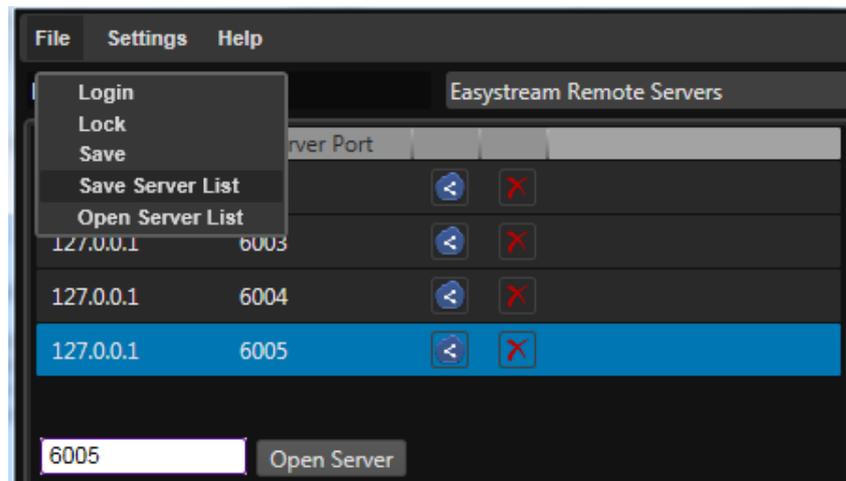
### 2.2.7.1 Lock

Our lock button on the Easy Streamer can be locked to prevent tampering by others purpose. Default Username: Admin Password: ems lock as it is entered. (Refer to 2.1.4 )



Graphic 35

**2.1.7.2. Save Server List:** As shown in " Figure 36 " to get more than one Streamer Server added.. "Save Server List" Clicking the menu will register in the system. When we try to delete from the server interface not deleted from the system and when called " Open Server List" get a list of registered server



Graphic 36

**2.1.7.3. Open Server List:** This menu is used to recall the list of registered Server interface. (Refer to 2.2.7.3)

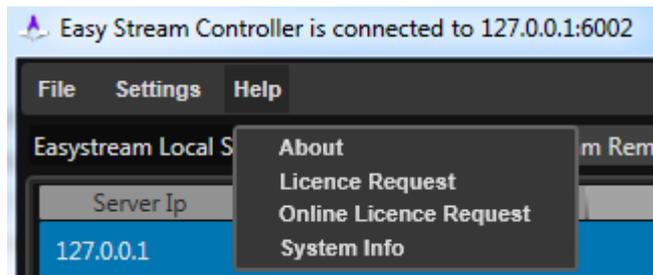
## 2.1.8. Help

**2.1.8.2. About:** Window displaying version and license information.

**2.1.8.3. License Request:** The first installation of the program can be made by filling in the licensing process should be sent to the company by customers [info@devtek.com.tr](mailto:info@devtek.com.tr) the e-mail address.

**2.1.8.4. Online License Request :** The license previously taken via the web makes automatic licensing process.

**2.1.8.5. System Info :** It gives details on the computer's hardware



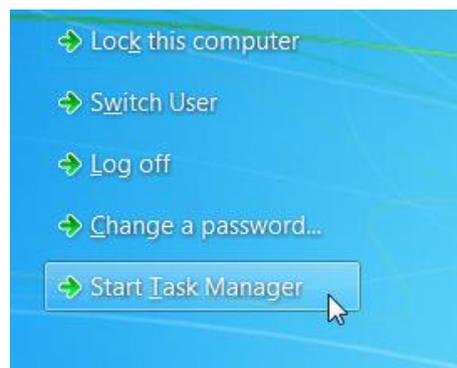
Graphic 36

### 2.1.9. Shutdown with Windows Task Manager

When faced with a situation such as the inability to close or freeze in the software, you can close with "Windows Task Manager".

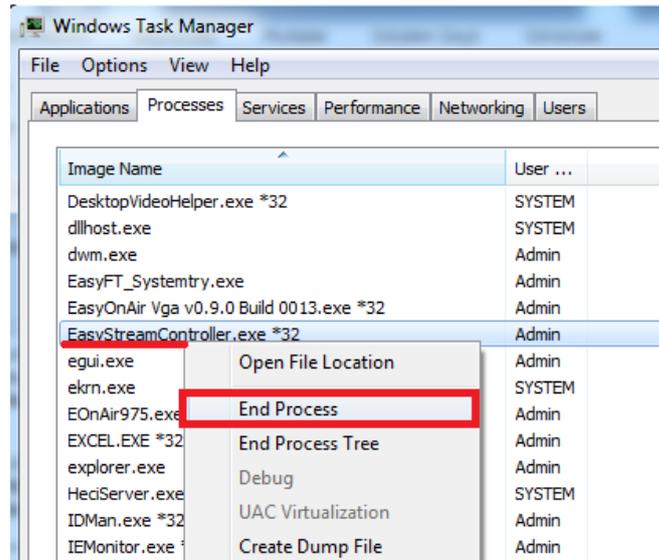
**Step 1:** CTRL + DEL button to click together.

**Step 2:** The pop-up screen (chart 39) "Start Task Manager" menu is clicked.



Graphic 37

**Step 3:** Windows Task Manager screen appears. From this screen, "Processes" is clicked the menu. Easy Streamer has related processes. Sağ tıklayıp "End Process" to shut down the application is terminated.



**Graphic 38**

### **3. Technical Support**

General support on Easy Media Suite website is accessed using the following links:

<http://www.easymediasuite.com/>

#### **Services;**

##### **3.1 Phone Support**

Easy Media Suite, Provides online 7x24 telephone support..

##### **3.2 On-site Support**

Easy Media Suite, Provides a project launch or support services in place in case of need at the stage when a problem can not be solved over the phone.

##### **3.3. Remote Access Support**

Easy Media Suite, Virtual Private Network for clients (VPN) via remote access.

#### 4. Contact

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**Web** [www.easymediasuite.com](http://www.easymediasuite.com)

The logo for Devtek, featuring the word "devtek" in a dark blue, lowercase, sans-serif font. The letter "v" is stylized with a red triangle pointing downwards from its top center.