

TvHeadendCli – How to Setup with TV-Browser and Aufnahmesteuerung

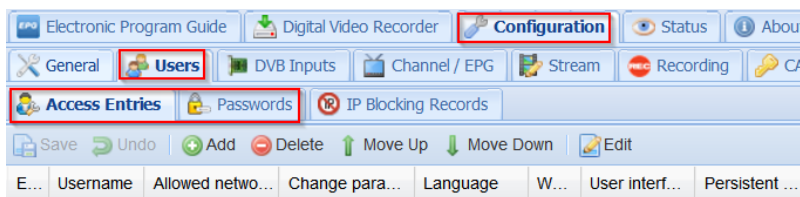
1 Requirements

- Windows, tested with Windows 10
- .Net-Framework 4.7.2
- TV-Browser, tested with Version 4.01
- Plugin Aufnahmesteuerung, tested with 3.1.4.14
- TV-Headend Server, tested with 4.2.4 in Raspberry Pi

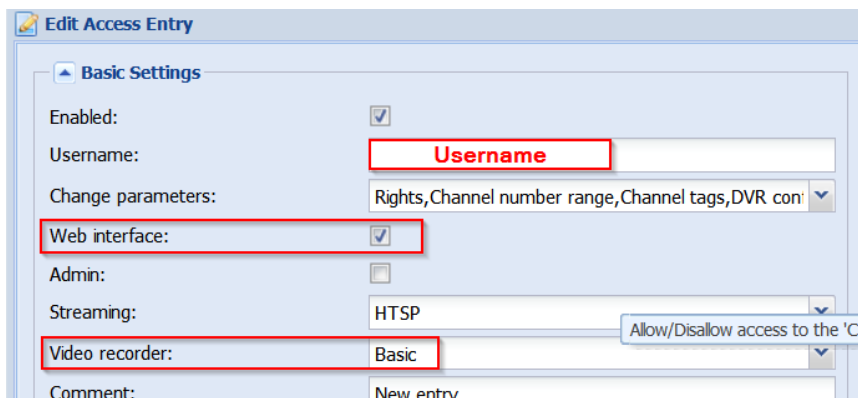
2 TvHeadend

2.1 Configure Web Interface with Authentication (Recommended)

Make sure you have a user with a password and sufficient rights. You can manage this at the web interface here:

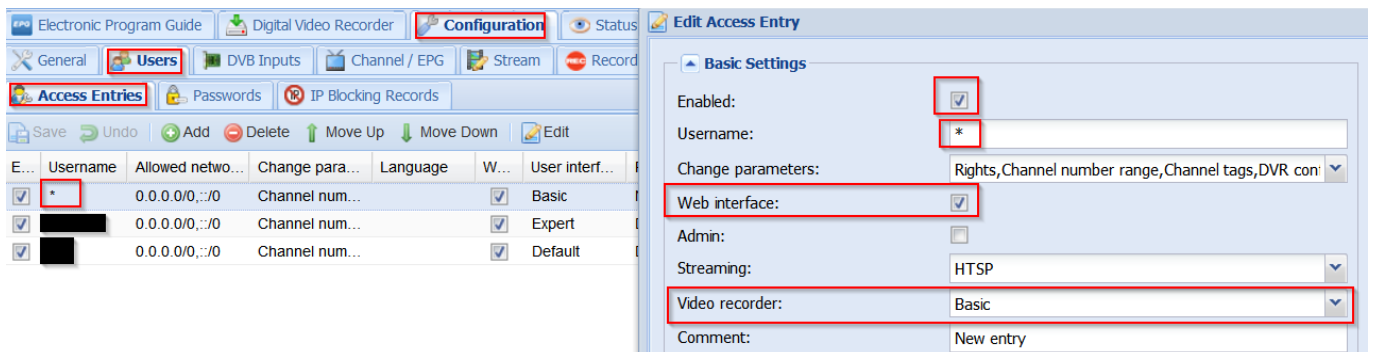


Create a user and set at least the following rights. Then go to the password tab and create a password for the new user.

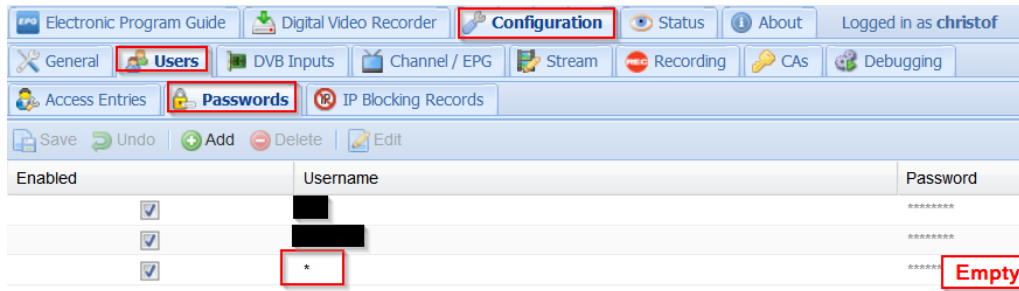


2.2 Configure Web Interface without Authentication

Make sure you have a user with name *. Give * Permissions as shown here:



Make sure you have a password for User *



3 TvHeadendCli.exe

This is the command line tool. It is open source and freeware. It is a command line program for windows, written in C#. After setting up everything, you will not see it anymore and can forget about it.

3.1 Download and installation

No installation is necessary, just [download](#) the zip file and extract the files to a folder of your choice.

Check the tool by opening a command prompt or PowerShell window and change to the folder where TvHeadendCli.exe is located. Try the following command:

```
TvHeadendCli.exe -help
```

3.2 Get Channel names from Tv-Headend

Later on, you need to match channel names between TV-Browser and TvHeadend. For this task, you need to know the channel names used by TvHeadend. The following command queries the channel names from TvHeadend and writes it to a text file.

Open a command prompt or Powershell windows and change to the folder where TvHeadendCli.exe is located.

Replace url, my_username and password with your values and post the command like this:

Attention: if you do not use authentication and if you have a user *, you need to leave off the parameters -un"my_username" -up"my_password"!

```
TvHeadendCli.exe -channels -url"http://tvheadend:9981" -un"my_username" -up"my_password" > channels.txt
```

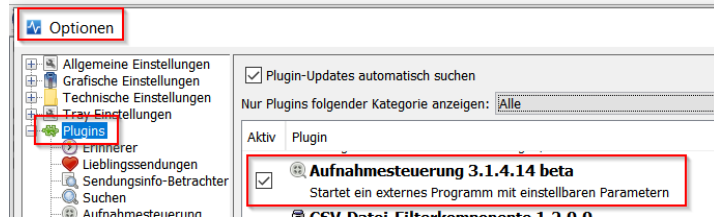
Note: the url (and the port) you can find in the address bar of your browser after opening the TvHeadend Site.

4 Aufnahmesteuerung

4.1 Install and Update the Plugin with TV-Browser

TV-Browser 4.0.1 - Sonntag, 28. April

Datei Ansicht Gehe zu TV-Daten Extras Hilfe

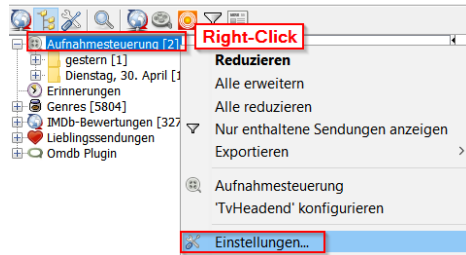


4.2 Setup the Plugin

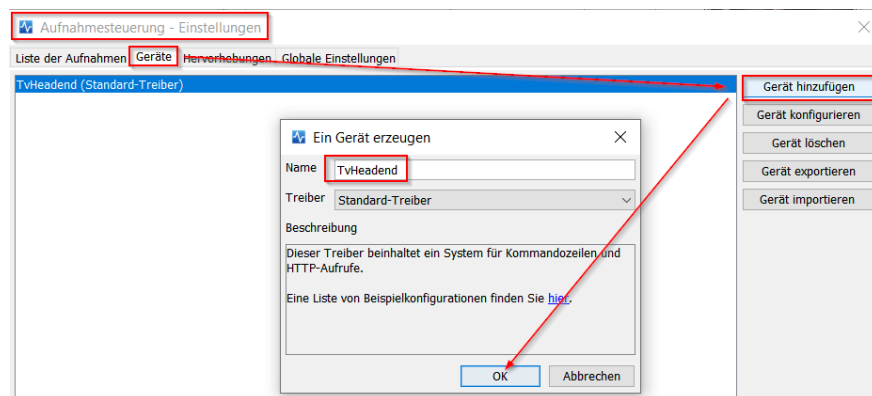
4.2.1 Add a new „Device“

TV-Browser 4.0.1 - Sonntag, 28. April

Datei Ansicht Gehe zu TV-Daten Extras Hilfe

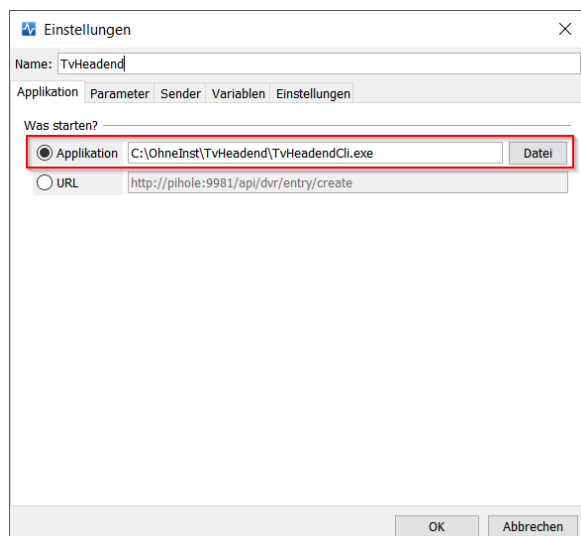


Chose a name for the Device and click okay:



4.2.2 Setup the Device

Fill in the path to TvHeadendCli.exe:



Setup parameters:

The parameters in curly brackets will be provided by TV-Browser at runtime. You might adjust them to your needs. Replace red marked string by your url. **Remove all line breaks after copy and paste!**

Attention: if you do not use authentication and if you have a user *, you need to leave off the parameters `-un"{device_username}" -up"{device_password}"`!

1. Command to schedule recordings:

```
-acreate -url"http://TvHeadend:9981" -  
un"{device_username}" -up"{device_password}" -  
c"{channel_name_external}" -  
t"{maxlength(title,"200")}" -p"{production_year}" -  
d"{description}" -r"TV-Browser" -s{start_unix} -  
e{end_unix}
```

2. Command to remove scheduled recordings:

```
-aremove -url"http://TvHeadend:9981" -  
un"{device_username}" -up"{device_password}" -  
c"{channel_name_external}" -  
t"{maxlength(title,"200")}" -s{start_unix}
```

Einstellungen

Name: TvHeadend

Applikation Parameter Sender Variablen Einstellungen

Parameter für Aufnahme

```
-acreate -url"http://pihole:9981" -un"{device_username}" -up"{device_password}" -c"{channel_name_external}" -t"{maxlength(title,"200")}" -p"{production_year}" -d"{description}" -r"TV-Browser" -s{start_unix} -e{end_unix}
```

Einfügen Testen Hilfe

Parameter für Löschen

```
-aremove -url"http://pihole:9981" -un"{device_username}" -up"{device_password}" -c"{channel_name_external}" -t"{maxlength(title,"200")}" -s{start_unix}
```

Einfügen Testen Hilfe

Zusätzliche Kommandos

Zusätzliche Kommandos definieren

OK Abbrechen

4.2.3 Assign Channel Names

As TV-Browser doesn't know the channel names used by TvHeadend, you need to assign them at tab "Sender":

Start with the build-in function "Versuche externe Sendernamen aus Textdatei zuzuordnen" (button at the end). Choose the created channels.txt (see 3.2). The function is not working perfectly, so proof every assignment. You might open channels.txt with the editor to lookup the names manually.

4.2.4 Further Settings

Goto tab "Einstellungen" and provide the following settings.

Einstellungen

Name: TvHeadend

Applikation Parameter Sender Variablen Einstellungen

Zeit-Einstellungen

Wieviele Minuten früher starten? 0

Wieviele Minuten später stoppen? 0

Benutzer

Benutzername: christof

Passwort:

Sonstiges

Maximale Anzahl gleichzeitiger Aufnahm... 2

Anzahl der Sek. bis zum Abbruch (-1 = ... 5

☒ Überprüfe, ob ein Fehler-Wert zurück gegeben wird

☐ Rückgabe-Dialog nur bei Fehler anzeigen

☐ Zeige Titel- und Zeiteinstellungsdialog

☒ Sendungen, die beim Datenupdate entfernt wurden, automatisch löschen

☒ Nur Programme erlauben, die in der Zukunft liegen

☒ Zeitzone vom Betriebssystem erfragen

Zeitzone: Europe/Berlin

Programmierte Sendungen weitergeben an:

Keine Ziele ausgewählt

Ziele auswählen

OK Abbrechen

Do not set the pre- or post-recording time here; you should do this at TvHeadend. Provide username and password if required.

Einstellungen

Name: TvHeadend

Applikation Parameter Sender Variablen Einstellungen

Name der Kanäle

Interner Name	Externer Name
Das Erste (ARD)	Das Erste
ZDF	ZDF
arte	arte
3sat	3sat
SAT.1	SAT.1
ProSieben	ProSieben
VOX	VOX
kabel eins	kabel eins
RTL	RTL Bayern
RTL2	RTL2
Super RTL	SUPER RTL
Nitro	Nitro
KIKA	KIKA
Disney Channel	Disney Channel - CV
ProSieben MAXX	ProSieben MAXX
SAT.1 Gold	SAT.1 Gold
ZDFneo	zdf_neo
ZDFinfo	ZDFinfo
PHOENIX	PHOENIX
TELE 5	TELE 5 - CV
NDR Hamburg	NDR FS HH
RBB Berlin	rbb Berlin
WDR	WDR Köln
MDR Sachsen	MDR Sachsen
HR	hr-fernsehen
SWR BW	SR Fernsehen
BR	BR Fernsehen Nord

Versuche externe Sendernamen aus Textdatei zuzuordnen

OK Abbrechen