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# VPS and EPG function

In views where a timer or a search can be created, the option to switch the VPS or EPG function on or off is available.



Some channels provide very precise start and end times via EPG-Now/Next or VPS, some only the specified times, regardless of when the show actually starts. There is a function built into *SmartEPGvu*<sup>+</sup> that allows, for each channel, timer programming to use the VPS and EPG options.

From [here](#) a sample file can be downloaded. It must be edited manually and then copied to `/rootfs/usr/lib/enigma2/python/Plugins/Extensions/SmartEPGvu/settings`. Depending on which channel you trust, you set the VPS or EPG flag to 1 or 0.



VPS and EPG deactivate each other because using both together makes no sense.

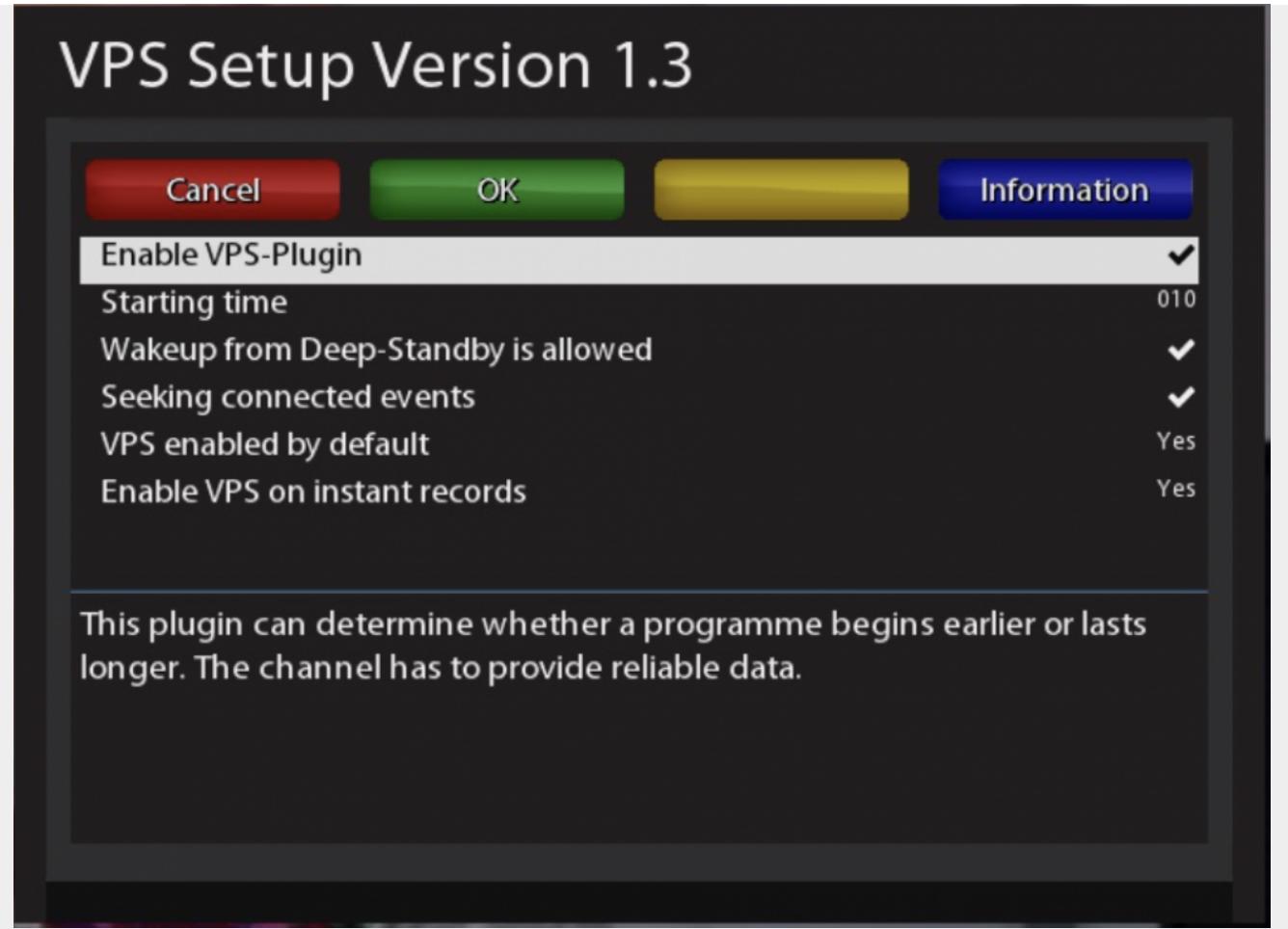
## VPS

The VPS function can only be used if the VPS plugin is installed to be found under Menu ⇒ Extensions ⇒ System Extensions. **The VPS plugin is not supported by wizos.**

The desired VPS option (VPS No, Yes, Safe Mode) can be scrolled through by pressing the Play key several times.

If the VPS plugin is installed and active (VPS yes, or safe mode) then the corresponding VPS symbol is displayed in the editor for the manual timers and in the [Search](#) (VPS symbol: blue or green - see explanations of the colours below).

The following screenshot shows the recommended settings that should be used for the VPS plugin for it to work seamlessly with *SmartEPGvu*<sup>+</sup>  
(Menu ⇒ Settings ⇒ System ⇒ VPS Settings):



### Manual programming:

- \* If a VPS.xml is now available and, for example, a program is programmed manually and there is no VPS authorization for the corresponding station in the xml, the timer is created without a VPS symbol and the VPS signal is **is not used**.
- \* If the channel has VPS authorization, the timer is created with the corresponding VPS symbol (VPS Yes, or Safe Mode) and the VPS signal is **used**.

### Programming via Search

- \* In the case of a **Search**, with an active VPS plugin, the corresponding VPS symbol (VPS Yes, or Safe Mode) is active for **every** search.

If a timer is created from the **Search**, and there is no VPS authorization for the channel to be used in a search in the xml, the timer is created without a VPS symbol and the VPS signal is **is not used**.

- \* If the channel of the **Search** has VPS authorization, the timer is created with the corresponding VPS symbol (VPS Yes, or Safe Mode) and the VPS signal is **used**.

### Example

A **Search \*Wetter\*** is generated for the channels RTL (without VPS authorization from the xml) and ARD (with VPS authorization from the xml), then the timer for the program **\*Wetter\*** on RTL is created without VPS symbol and the VPS signal is **not evaluated**.

The timer for the program **\*Wetter\*** on ARD, on the other hand, is created with the corresponding

VPS symbol and the VPS signal is **used**.

Search list

18/19

7.  Die Kanzlei	Wetter	
8.  Die Toten vom Bodensee	Folder:	
9.  Ein Fall für zwei	Record mode: All <b>VPS</b>	
10.  Falk	Search text: T:+50:*Wetter*	
11.  Gute Zeiten, schlechte Zeiten	Channels: Das Erste HD, RTL HD	
12.  Morden im Norden (1)	Weekdays: Thu	
13.  München Mord	Start time: 17:50	End time: 21:50
14.  RTL Aktuell (6)	Prepad: 5 min	Postpad: 30 min
15.  WaPo Berlin	Length min: 0 min	Length max: 0 min
16.  WaPo Bodensee	Start date: None	End date: None
17.  WaPo Duisburg (1)	Delete after 0 hours	Delete on low space: No
18.  Wetter (1)	Record path: /media/hdd/movie/	
19.  Wolfsland	File name: VTi settings	

Test search  Test without restrictions  Save  
 Edit  Adjust to EPG on  VPS mode  
 24h/7d/All  24h/7d/Channel  EXIT Exit Search Parameters

**SmartEPGv4+**

RTL timer is created without a VPS symbol and the VPS signal is **not used**.

Timer-Liste

5/24

Mo 10.01	SmartEPGv4+ - Plugin	06:00 – 06:01	
Mo 10.01	VPS - Plugin	18:35 – 18:36	
Mo 10.01	RTL Aktuell	18:45 – 19:18	33'
Mo 10.01	Morden im N	18:45 – 20:00	75'
Mo 10.01	RTL Aktuell	18:58 – 19:35	37'
Mo 10.01	Gute Zeiten	19:30 – 20:30	60'
Mo 10.01	Wetter vorab	19:45 – 20:25	40'
Mo 10.01	Die Toten v	20:10 – 22:15	125'
Mo 10.01	Breaking S	22:10 – 00:00	110'
Di 11.01	RTL Aktuell	18:45 – 19:18	33'
Di 11.01	WaPo Duisb	18:50 – 19:45	55'
Di 11.01	Gute Zeiten	19:30 – 20:30	60'
Mi 12.01	RTL Aktuell	18:45 – 19:18	33'

Timer speichern  Anpassung an EPG ein  VPS-Modus  
 Namen bearbeiten  
 Beenden

**SmartEPGv4+**

ARD timer is created with the VPS symbol and the VPS signal is **evaluated**.

Timer list

Thu 27.01	VPS - Plugin	6/17
Thu 27.01	Der Bergdoktor - Endlich Leben	20:00 - 20:01
Fri 28.01	SmartEPGvu	20:10 - 22:15
Fri 28.01	RTL Aktuell	06:00 - 06:01
Fri 28.01	RTL Aktuell	18:45 - 19:18
Fri 28.01	Wetter vor acht	33'
Fri 28.01	Der Staatsanwalt	18:58 - 19:35
Sat 29.01	RTL Aktuell	19:45 - 20:25
Sun 30.01	Image-Sicherung	40'
Sun 30.01	RTL Aktuell	20:10 - 21:45
Mon 31.01	RTL Aktuell	18:45 - 19:18
Mon 31.01	Morden im Norden	95'
Tue 01.02	RTL Aktuell	08:05 - 08:06
		18:45 - 19:18
		33'
		18:45 - 19:18
		33'
		18:45 - 20:00
		75'
		18:45 - 19:18
		33'

**Wetter vor acht**

**VPS**

Date: Fri 28.01.2022 Mode: Record

Start time: 19:50 End time: 19:55 (5 min)

Prepad: 5 min Postpad: 30 min

After event: Auto Repeat: off

Record path: /media/hdd/movie/

Search: Wetter

Delete after 0 hours Delete on low space: No

File name: VTi settings

Save Timer Auto EPG adjust on VPS mode

Edit name Exit

**SmartEPGvu<sup>+</sup>**

## Without VPS icon = no VPS active

In this mode, the recording is started and ended without using the VPS signal. The set pre- and post-run takes effect as specified.

Search list

1.  Crime	Der Bergdoktor	4/19
2.  Blue Bloods – Crime Scene New York	Folder:	
3.  Der Alte	Record mode: Series	
4.  Der Bergdoktor (1)	Search text: T+50:Der Bergdoktor*	
5.  Der Staatsanwalt (1)	Channel: ZDF HD	
6.  Die Bergretter	Weekdays: Thu	
7.  Die Kanzlei	Start time: 20:00 End time: 23:59	
8.  Die Toten vom Bodensee	Prepad: 5 min Postpad: 30 min	
9.  Ein Fall für zwei	Length min: 0 min Length max: 0 min	
10.  Falk	Start date: None End date: None	
11.  Gute Zeiten, schlechte Zeiten	Delete after 0 hours Delete on low space: No	
12.  Morden im Norden (1)	Record path: /media/hdd/movie/	
13.  München Mord	File name: VTi settings	

Test search Test without restrictions Save

Edit Adjust to EPG on VPS mode

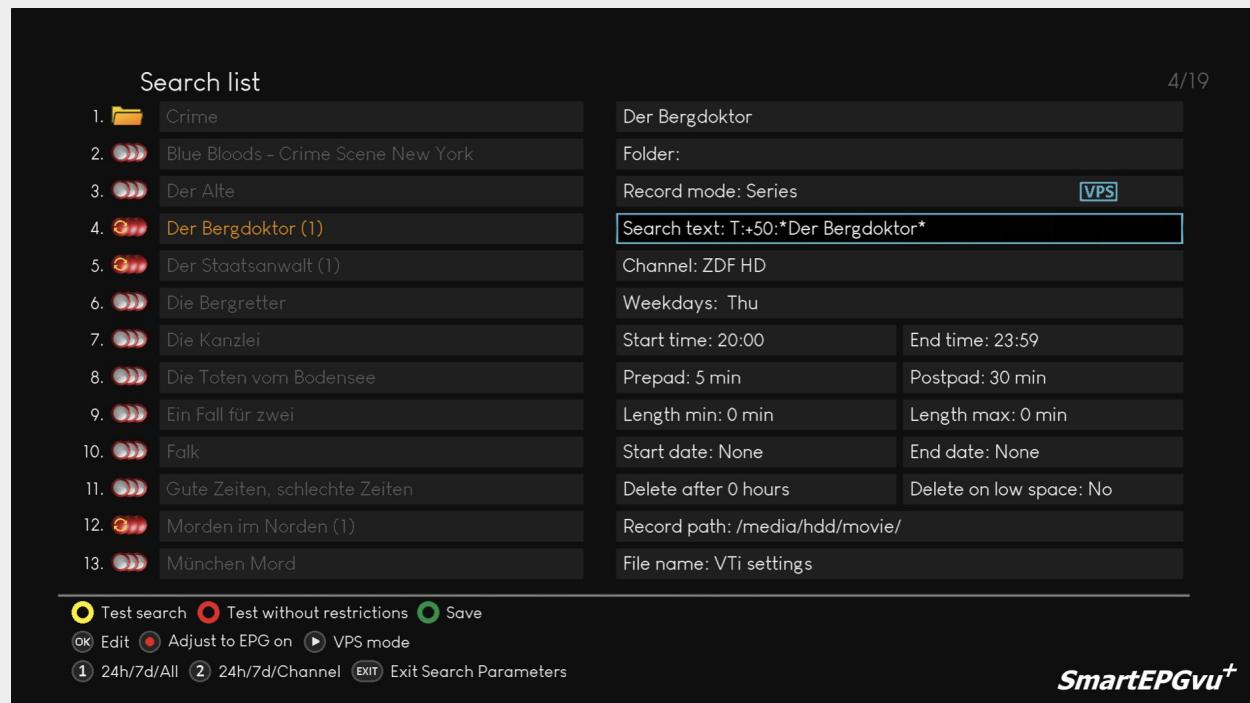
24h/7d/All 24h/7d/Channel Exit Search Parameters

**SmartEPGvu<sup>+</sup>**

## Blue VPS icon = VPS active

In this mode, the recording is started and stopped using the VPS signal.

The set pre- and post-carriage is not taken into account.



Search list

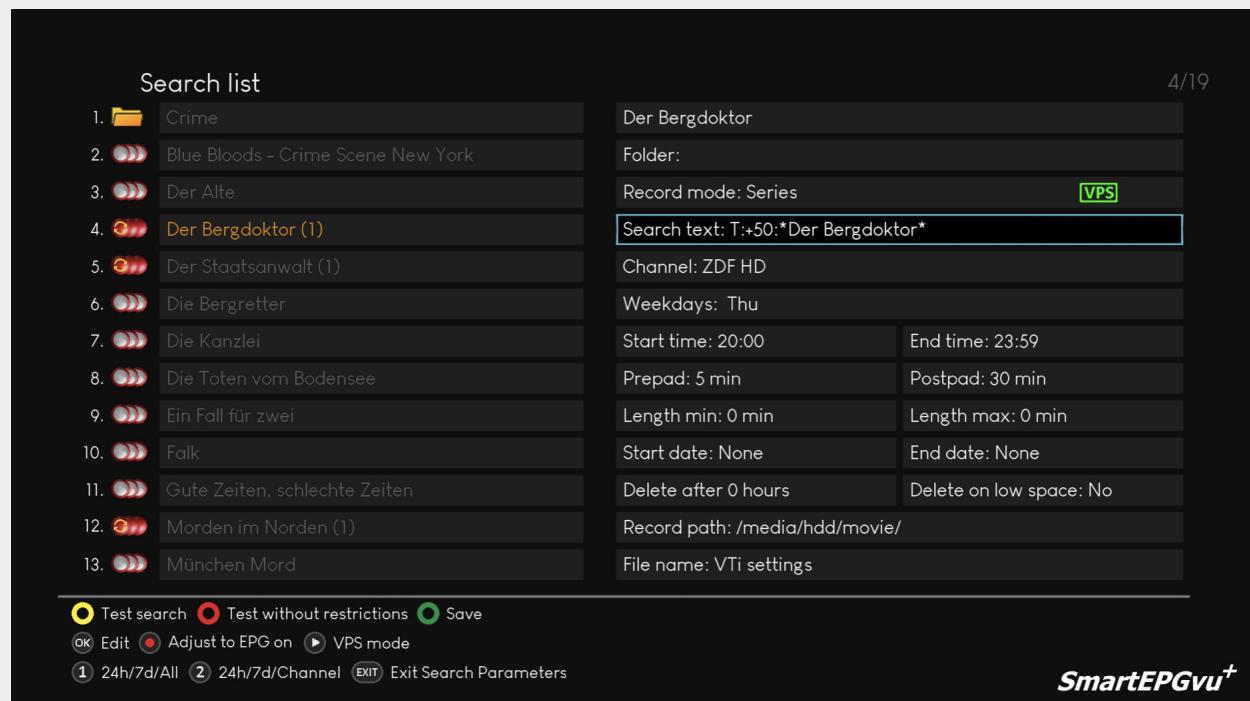
1.  Crime	Der Bergdoktor
2.  Blue Bloods - Crime Scene New York	Folder:
3.  Der Alte	Record mode: Series <b>VPS</b>
4.  Der Bergdoktor (1)	Search text: T:+50:*Der Bergdoktor*
5.  Der Staatsanwalt (1)	Channel: ZDF HD
6.  Die Bergretter	Weekdays: Thu
7.  Die Kanzlei	Start time: 20:00 End time: 23:59
8.  Die Toten vom Bodensee	Prepad: 5 min Postpad: 30 min
9.  Ein Fall für zwei	Length min: 0 min Length max: 0 min
10.  Falk	Start date: None End date: None
11.  Gute Zeiten, schlechte Zeiten	Delete after 0 hours Delete on low space: No
12.  Morden im Norden (1)	Record path: /media/hdd/movie/
13.  München Mord	File name: VTi settings

Test search  Test without restrictions  Save  
 Edit  Adjust to EPG on  VPS mode  
 24h/7d/All  24h/7d/Channel  Exit Search Parameters

**SmartEPGv4<sup>+</sup>**

### Green VPS icon = VPS active in safe mode

In this mode, the recording is performed according to the time of the timer (including pre-and post-padding), and the VPS signal is also used. If, according to VPS, the program starts or ends later than originally scheduled, the recording times will be adjusted accordingly. The recording can therefore be longer but not shorter than specified by the timer.



Search list

1.  Crime	Der Bergdoktor
2.  Blue Bloods - Crime Scene New York	Folder:
3.  Der Alte	Record mode: Series <b>VPS</b>
4.  Der Bergdoktor (1)	Search text: T:+50:*Der Bergdoktor*
5.  Der Staatsanwalt (1)	Channel: ZDF HD
6.  Die Bergretter	Weekdays: Thu
7.  Die Kanzlei	Start time: 20:00 End time: 23:59
8.  Die Toten vom Bodensee	Prepad: 5 min Postpad: 30 min
9.  Ein Fall für zwei	Length min: 0 min Length max: 0 min
10.  Falk	Start date: None End date: None
11.  Gute Zeiten, schlechte Zeiten	Delete after 0 hours Delete on low space: No
12.  Morden im Norden (1)	Record path: /media/hdd/movie/
13.  München Mord	File name: VTi settings

Test search  Test without restrictions  Save  
 Edit  Adjust to EPG on  VPS mode  
 24h/7d/All  24h/7d/Channel  Exit Search Parameters

**SmartEPGv4<sup>+</sup>**

# EPG

The „EPG adjustment on“ setting causes a recording to be shifted accordingly if the start time changes in the EPG.

The pre-set lead and lag times are also taken into account.



If this function is used in *SmartEPGvu<sup>+</sup>*, it will work regardless of it being activated or not in the VTi: / Menu / VTi / Settings - Timers / TimersCreate (2/5) / Automatically adapt recording times to EPG data is activated or not.

The behavior of *SmartEPGvu<sup>+</sup>* and VTi with this function is identical.

Search list 4/19

1.  Crime	Der Bergdoktor	
2.  Blue Bloods - Crime Scene New York	Folder:	
3.  Der Alte	Record mode: Series <span style="float: right;">EPG</span>	
4.  Der Bergdoktor (1)	Search text: T:+50:/*Der Bergdoktor*	
5.  Der Staatsanwalt (1)	Channel: ZDF HD	
6.  Die Bergretter	Weekdays: Thu	
7.  Die Kanzlei	Start time: 20:00	End time: 23:59
8.  Die Toten vom Bodensee	Prepad: 5 min	Postpad: 30 min
9.  Ein Fall für zwei	Length min: 0 min	Length max: 0 min
10.  Falk	Start date: None	End date: None
11.  Gute Zeiten, schlechte Zeiten	Delete after 0 hours	Delete on low space: No
12.  Morden im Norden (1)	Record path: /media/hdd/movie/	
13.  München Mord	File name: VTi settings	

Test search  Test without restrictions  Save  
 Edit  Adjust to EPG off  VPS mode  
 24h/7d/All  24h/7d/Channel  **Exit Search Parameters**

**SmartEPGvu<sup>+</sup>**

Please remember that this function leads to faulty recordings for some users and should not be used without first doing some testing.



**Therefore the current recommendation to avoid problems is:**

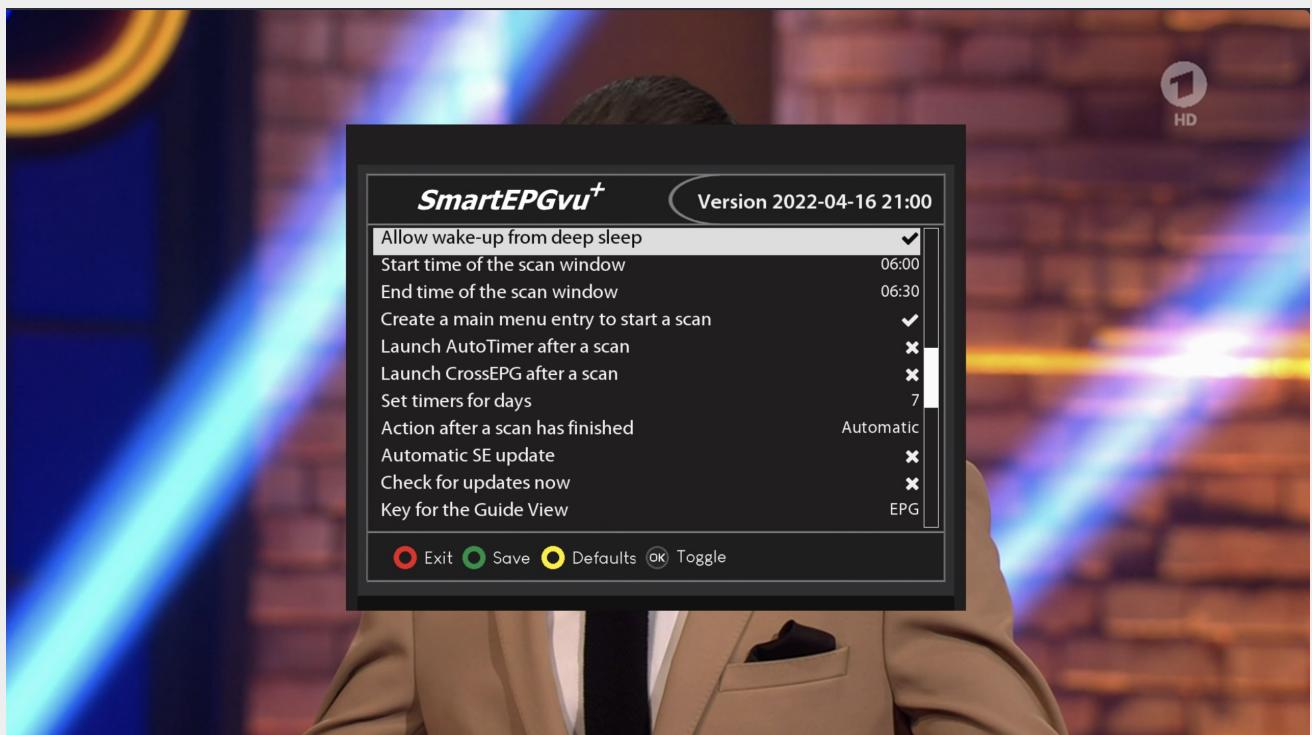
In *SmartEPGvu<sup>+</sup>* not to enable this function and to **SWITCH it OFF** under / Menu / VTi / Settings - Timer / Create timer (2/5) / Adjust recording times automatically for changes in the EPG data

## CrossEPG

CrossEPG is a system extension and can be installed via the plugin browser. **The CrossEPG plugin is not supported by the wizos.** CrossEPG makes it possible to collect and process external EPG data from channels that usually only offer „Now & Next“ EPG information. For example, if you operate a second dish on 28.2 East and want to get the EPG for these programs, you can use the CrossEPG plugin. The UK channels, for example, only broadcast Now/Next via the normal EPG. The plugin switches to transponder 11428 H, which sends the EPG information for all programs on this satellite for 2 weeks in a data stream.

There is an option to start CrossEPG after the scan, which can be activated in the settings menu of *SmartEPGvu<sup>+</sup>*.

The plugin is then started by *SmartEPGvu<sup>+</sup>* and the EPG data of the corresponding stations are then available.



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