Topfield Firmware Patcher

Application for Microsoft Windows Version 3.3.0.0

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Introduction

The Topfield Firmware Patcher provides for the integration of modifications and bug fixes (so called patches) into the firmware of Topfield receivers. Under certain circumstances, those modifications can also be removed again, later.

Disclaimer

The Topfield Firmware Patcher has been widely and successfully utilized. Nevertheless, there is a risk of data loss or damage when used improperly or in untested environments or configurations. Accordingly, you should use the application only after making a successful back-up of your data. The Topfield Firmware Patcher is provided to you as an accommodation and without any warranties, representations or guarantees of any kind, including, without limitation the warranty of merchantability and of fitness for a particular purpose.

Preparations

The FWPatcher.exe program must be extracted into a directory on a computer running Microsoft Windows together with the supplied file Firmware.dat and the patches you wish to apply. The firmware to be modified must also reside on this machine.

C:\Persoenlich\TF5500PVR\p	atcher		<u>- 0 ×</u>
Datei Bearbeiten Ansicht F	avoriten	E <u>x</u> tra: »	G - » 🦺
Name 🔺	Größe	Тур	Geändert am
🔄 🚾 [C] CableReady_02.tfp	6 KB	TFP-Datei	27.10.2007 16:52
D] HDDDetection_03.tfp	69 KB	TFP-Datei	27.10.2007 21:58
De] DescExt3.tfp	29 KB	TFP-Datei	27.10.2007 21:59
🔄 🔟 [E] EPGPatch_03a.tfp	2 KB	TFP-Datei	27.10.2007 21:59
🔄 🔟 [F] TAPdiskFix.tfp	15 KB	TFP-Datei	27.10.2007 22:00
🖬 [G] DebugExt.tfp	8 KB	TFP-Datei	27.10.2007 22:00
🔄 🖬 [H] HDDPatch_03.tfp	20 KB	TFP-Datei	27.10.2007 18:23
🖬 [I] PBSiS.tfp	16 KB	TFP-Datei	27.10.2007 22:02
🖬 [M] DreamFree.tfp	9 KB	TFP-Datei	27.10.2007 18:28
🖬 [N] DisableMasterPin.tfp	8 KB	TFP-Datei	27.10.2007 22:04
🔄 🔄 [P] PowerRestore_03.tfp	65 KB	TFP-Datei	27.10.2007 18:34
🔄 🖬 [R] RecRoundel.tfp	64 KB	TFP-Datei	27.10.2007 18:57
🖬 [Re] RemExt.tfp	5 KB	TFP-Datei	27.10.2007 22:08
🖬 [S] StartupPatch_03.tfp	116 KB	TFP-Datei	01.11.2007 12:44
🖬 [T2] TimerPatchT2b.tfp	12 KB	TFP-Datei	27.10.2007 22:10
🔲 🔟 [T] TimerPatch_04b.tfp	16 KB	TFP-Datei	27.10.2007 22:09
🔲 🔟 UsbAccelerator.tap	8 KB	TAP-Datei	28.10.2007 12:19
USbAcceleratorPatch_01.tfp	57 KB	TFP-Datei	27.10.2007 20:35
🛛 🖬 [Ww] wwww.tap	65 KB	TAP-Datei	28.10.2007 11:19
🔄 🔟 [X] EPGShortDesc.tfp	16 KB	TFP-Datei	27.10.2007 19:18
Z] Disable0AspectSwitching.tfp	8 KB	TFP-Datei	27.10.2007 22:11
Firmware.dat	100 KB	DAT-Datei	30.10.2007 16:10
FWPatcher.exe	594 KB	Anwendung	01.11.2007 11:29

FWPatcher.exe can now be launched by double-clicking the program.

Loading the Firmware

On start-up of the application, a file selection dialog prompts you to select the file containing the firmware to be modified.

FWPatcher: Load	Firmware				? ×
<u>S</u> uchen in:	🚞 firmware		•	+ 🗈 💣 🎟•	
Zuletzt verwendete D Ø Desktop Eigene Dateien Arbeitsplatz	axeL.tfd TF4000PVR-206 TF5500PVR-406 TF5500PVR-40	5-2007Mar16.tfd 5-2005Feb03.tfd 5-2005Sep13.tfd 5-2005Sep13-PSH.tfd 5-2005Sep13-PSH-XI.tfd 5-2005Sep13-PUSH.tfd 5-2005Sep13-SH.tfd 5-2005Sep13-SH.tfd 5-2005Sep13-SH.tfd 5-2007Aug08.tfd 5-2007Jul19.tfd 6-2007Jul19.tfd			
ung	Datei <u>n</u> ame:			•	Ŭ <u>f</u> fnen
	Datei <u>t</u> yp:	Topfield Firmware (*.tfd)		•	Abbrechen

When you have confirmed your selection by pressing *Open*, the firmware is being loaded.

If you try to load a firmware which has been modified for aXeL using the TfdExtender, the Topfield Firmware Patcher will fail with an error message. The firmware must be patched, first, and only afterwards be prepared for aXeL.

F١	WPatcher Error
	This doesn't seem to be a TF5xxx firmware or it has already been aXeLised.
	(OK

The same message will be displayed if you try to load a firmware for an unsupported receiver model.

Selecting the Patches

The Topfield Firmware Patcher displays a list of all patches found in the start directory, their authors and the compatibility with the loaded firmware. In addition, it shows a short description of the currently selected patch.

🕶 FW Patcher - TF5000PVR, TF5500	PVR, 5AT-9900PVR (2005-09-13) []	
Name	Author	Note
CableReady Patch [C] V2	FireBird	Not intended for this firmware
HDDDetection [D] V4	FireBird	Not patched
Description Extender [De] V4	R2-D2	Not patched
EPG Patch 1MB [E] V4	Harvey	Not intended for this firmware
TAP free dir cache fix [F] V2	R2-D2	Not patched
Command and debug enabler [G] V2	R2-D2	Not intended for this firmware
HDD Patch [H] V3	DeadBeef	Not patched
PBSiS [I] V2	R2-D2	Not patched
Mystic Dreams remover [M] V1	Simone	Not intended for this firmware
Master pin disable [N] V1	Simone	Not patched
Power Restore [P] V3	FireBird	Not patched
RecRoundel [R] V2	R2-D2	Not patched
Remote Extender [Re] V2	R2-D2	Not intended for this firmware
Startup acceleration patch [S] V2	DeadBeef	Not patched
Timer Patch [T] V4	DeadBeef	Not patched
TimerPatch-T2b [T2] V1	R2-D2	Not intended for this firmware
USB Acceleration Patch [U] V1	DeadBeef	Not patched
EPG Description Patch [X] V2	R2-D2	Not intended for this firmware
Disable 0 Aspect switching [Z] V2	Simone	Not intended for this firmware
This patch makes the Toppy boot and fe	tch the time after a power failure.	
Dieser Patch lässt den Tonf nach einem 9	Stromausfall booten und die Zeit bolen	
bioser raternasse don ropi naer einem s	cromadsrail booten and die zeit noien.	
Apply		

In the rightmost column, the following remarks regarding the compatibility with the firmware may be displayed:

- **Not patched**: The patch is not yet contained in the loaded firmware and can be applied.
- Not intended for this firmware: The patch cannot be applied to the firmware.
- **Already patched**: The patch is already contained in the firmware, but can be removed.
- Already patched (can't be removed): The patch is already contained in the firmware and cannot be removed. This may be the case because either the firmware was released with this patch built-in or the patch does not contain specific instructions for this firmware.

When a patched firmware has been loaded, the Topfield Firmware Patcher displays the identifying letters of all patches included. All newer patch versions are labelled accordingly.

➡ FW Patcher - TF5000PVR, TF5500PVR, SAT-9900PVR (2005-09-13) [HP5U]				
Name	Author	Note		
CableReady Patch [C] V2	FireBird	Not intended for this firmware		
HDDDetection [D] V4	FireBird	Not patched		
Description Extender [De] V4	R2-D2	Not patched		
EPG Patch 1MB [E] V4	Harvey	Not intended for this firmware		
TAP free dir cache fix [F] V2	R2-D2	Not patched		
Command and debug enabler [G] V2	R2-D2	Not intended for this firmware		
HDD Patch [H] V3	DeadBeef	Already patched		
PBSIS [I] V2	R2-D2	Not patched		
Mystic Dreams remover [M] V1	Simone	Not intended for this firmware		
Master pin disable [N] V1	Simone	Not patched		
Power Restore [P] V3	FireBird	Already patched		
RecRoundel [R] V2	R2-D2	Not patched		
Remote Extender [Re] V2	R2-D2	Not intended for this firmware		
Startup acceleration patch [5] V2	DeadBeef	Already patched		
Timer Patch [T] V4	DeadBeef	Not patched		
TimerPatch-T2b [T2] V1	R2-D2	Not intended for this firmware		
USB Acceleration Patch [U] V1	DeadBeef	Already patched		
EPG Description Patch [X] V2	R2-D2	Not intended for this firmware		
Disable 0 Aspect switching [Z] V2	Simone	Not intended for this firmware		
Apply				

Check the patches you want to apply and uncheck the ones to remove. You cannot select an inapplicable patch or deselect a patch which cannot be removed. A warning will be displayed if you try to.

FWPatcher warning 🛛 🗶	FWPatcher warning
You can't install this patch.	You can't uninstall a generic patch.
OK	OK

By pressing *Apply* you confirm your selections.

Saving the Firmware

After your confirmation of the selections, a file selection dialog prompts you for the name of the file for the modified firmware.

FWPatcher: Save	Firmware					<u>? ×</u>
Spejchern in:	🗀 firmware		•	🗕 🖻 🚔	· 🎫 -	
Zuletzt verwendete D Ø Desktop	axeL.tfd TF4000PVR-206 TF5500PVR-406 TF5500PVR-406 TF5500PVR-406 TF5500PVR-406 TF5500PVR-406 TF5500PVR-406	;-2007Mar16.tfd ;-2005Feb03.tfd ;-2005Sep13.tfd ;-2005Sep13-PSH.tfd ;-2005Sep13-PSH.XI.tfd				
Eigene Dateien	TF5500PVR-406 TF5500PVR-406 TF5500PVR-406 TF5500PVR-406 TF5500PVR-406 TF5500PVR-406	-2005Sep13-PUSH.tfd -2005Sep13-PUSH-XI.tfd -2005Sep13-SH.tfd -2005Sep13-SH-XI.tfd -2007Aug08.tfd				
Netzwerkumgeb ung	TF5500PVR-406	-2007Jul19.trd 6-2007Jun29.tfd			- -	
	Datei <u>n</u> ame: Datei <u>t</u> yp:	TF5500PVR-406-2005Sep13 Topfield Firmware (*.tfd)	PUSH	.tfd 🔽		<u>S</u> peichern Abbrechen

When you have pressed *Save*, the modified firmware will be written to the designated file. You will be informed of the success of the operation.

FWPatcher Information
"HDD Patch" successfully patched into the selected f/w. "Power Restore" successfully patched into the selected f/w. "Startup acceleration patch" successfully patched into the selected f/w. "USB Acceleration Patch" successfully patched into the selected f/w.
ОК

You can load the modified firmware into your receiver using TopSet, TFDN, VegaPack or Altair in conjunction with the HDFW TAP.