

Surfer V0.11a

THE SURFER TAP ALLOWS YOU TO SURF AROUND THE OTHER CHANNELS AND SEE WHAT'S ON - WITHOUT LOSING WHAT YOU'RE CURRENTLY WATCHING.

The screenshot displays the Surfer V0.11a interface. On the left is a vertical channel guide with logos for Nine Digital, SBS, 7, 9, ten, and ABC 2. The main area shows a live video feed of a man in a grey suit sitting in a blue chair. Below the video feed is a program information box for 'Now: Sportsworld' with a progress bar at 23%. A small inset video shows a woman in a white uniform in a pharmacy.

Now: **Sportsworld**
9:00am - 11:00am (120 min) 23%
[Round Up] [G]
The latest sports news, in-depth features and interviews with the stars, plus the chance to win stacks of cash. Hosted by Johanna Griggs and Matthew White. (G)

Installation instructions

Unzip the **UK OZ Surfer V0.11a.zip** file to your PC, using the directory structure within the ZIP file.

Using Altair, copy all the files and directories from the “*Copy to Topy*” PC directory to the Topy into the *Program Files* sub-directory where you wish to install to (eg. *Auto Start*).

This should result in a similar directory structure as below on your Topy:

```
Program Files
  Auto Start
    UK TAP Project
      Source Logos
```

Note: “*Auto Start*” can be replaced by which ever directory you wish to install the TAP into.

Invoke the *UK OZ Surfer v0.11a* TAP.

Note: This installation files contain a default *logo.dat* for the channel logos for the major Australian Broadcasters and will **overwrite** any existing *logo.dat* file. If you want to keep your existing *logo.dat* do not copy the default one over with Altair. But you should review the Logo Creation section of this manual for details on adding the logo for the Virtual Playback Channel.

Screen Components



Activation Keys

Press the **OK** key to display *Surfer*.

This key can be changed through the Configuration Menu.

Operation Keys

When the *Surfer* screen is displayed the keys functions as:

- UP : Move the cursor up one line in the channel logo display.
- DOWN : Move the cursor down one line in the channel logo display.
- >> (FORWARD) : Move the cursor up 7 lines in the channel logo display.
- << (REWIND) : Move the cursor down 7 lines in the channel logo display.
- OK : View the selected channel in the main window. Pressing OK twice in a row without changing channels will exit *Surfer*.
- RECALL or PiP SWAP: Jump to the opening channel or Swap the PiP Channel with the Main channel. Operation depends on the configuration menu setting for the Recall Key (option #8).
- LIST, or TV/Radio : Swap between TV channels, and Radio Channels.
- GREEN : Move the cursor up, and change the channel.
- YELLOW : Move the cursor down, and change the channel.
- VOL +: Show details of the next programme on this channel.
- VOL -: Show details of the previous programme on this channel.
- GUIDE : Show the channel overview window.
- |< (PREVIOUS) : Move back to previous timeframe and show details of the programme on this channel (In Guide Window only).
(PiP for TF5800)



Guide Window will show programs that start at the indicated timeframe or are current at that timeframe.

- >| (NEXT) : Move back to next timeframe and show details of the programme on this channel (In Guide Window only).
(TEXT for TF5800)
- PAUSE : Selects the time increment for the Guide Timeframe view. Cycles through 15, 30 and 60 minutes. (Default increment is 30 minutes).
- INFO : Page through the Extended Event Information (if any).
- RECORD : Create a one-time recording for the programme shown in the event information window.
- MENU : Display the menu for configuration and extended functions.
- BLUE : Hides/Displays the channel and event information screens (provided *Screen Fading* – option #9 is not set to *Off*).
- 1,2,3,4,5,6,7,8,9,0 : Used to manually enter the LCN of a channel to highlight in the logo list. Enter the LCN and press OK, or wait approximately 2 seconds with no key pressed to select the channel.
- RED : Invokes the screen Resize and Reposition facility. Follow the directions on the screen to resize and reposition the Main and PiP Channel windows.
- EXIT : Close the *Surfer* window.

Extended command Menu



Configure : Change the way the TAP operates.

Stop this TAP : Terminate and unload this TAP from your Toppo's memory.

Quick Window Configuration : Allows quick resizing and repositioning of *Surfer* windows based on users screen boundaries.

Note: This will reset any advanced window configurations that may have been made.

Advanced Window Configuration : Sizes and positions the *Surfer* windows based on user setting the boundaries of their screens.

Reset Window Sizes & Position : Allows for resizing and repositioning of each *Surfer* window independently of each other.

Credits & About Information : Shows who the development team is and version information.

Configure Menu

There are two pages of configuration options. You move between the screens by using the Up and Down arrows and scrolling past the top or bottom of the screen.

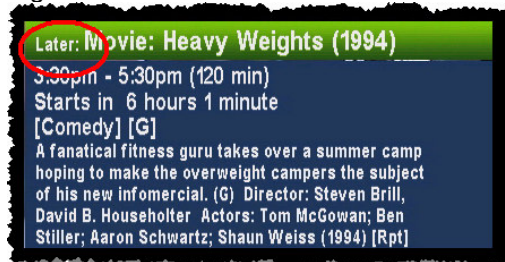
PAGE 1



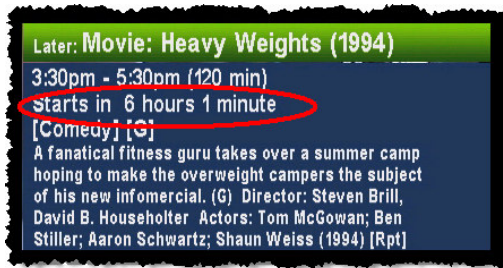
Configuration		
1.	Model Type	TF5000 (International)
2.	Language	English
3.	Activation Key	Ok
4.	Highlight	2
5.	Selection Style	Linear
6.	Now/Next Tag	On
7.	Progress Info	Off
8.	Recall Key	Swap Channels
9.	Screen Fading	Automatic after 60 seconds
10.	Save	Cancel

Quick keys
EXIT = quit without saving, RECORD = save and exit

1. Model Type : TF5000/TF5800 Select your appropriate model.
2. Language : English. (Not implemented yet)
3. Activation Key : Key used to start the TAP.
4. Highlight : Different styles of highlighting channel logos.
5. Selection Style : Carousel/Linear. Style of displaying/selecting channel logos. In carousel mode, the pointer remains in the middle and the logos scroll around it. In Linear mode the pointer moves up and down.
6. Now/Next Tag : On/Off. Option to have Event Name prefixed with a Earlier:/Now:/Next:/Later: tag.



7. Progress Info : Off/Text. Option to display textual information on when program is to start/end or it's current progress.



8. Recall/PipSwap First Channel / Swap Channels.
 Key : *First Channel* - the Recall key will move the logos and PiP back to the channel that was highlighted when *Surfer* started.
Swap Channels - the Recall key will swap the channel in the PiP to the main window and position the logos and PiP on the previous main channel.
9. Screen Fading : Controls how the screen information is faded in/out.
 Off – there is no screen information fading.
 Manual – Screen information is turned on/off with the Blue key.
 Automatic after x seconds – Screen information is turned off after x seconds with no remote control keys being pressed. When a key is pressed, the screen is redisplayed (except for the Recall and Exit keys).

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11. Start Channel : Which channel should *Surfer* start on when started.
Current Channel – the channel that you are watching when your start *Surfer*. If this option is enabled, pressing OK straight after starting *Surfer* will also exit *Surfer*.
Channel Last Highlighted – starts with the same channel highlighted as when you last left *Surfer*.
12. Timer Start Offset : Number of minutes to subtract from the event start-time for timer creation.
13. Timer End Offset : Number of minutes to add to event end-time for timer creation.
14. Guide At Startup : Determines whether the Guide Windows is displayed at *Surfer* startup or not:
 - *Start Hidden*: no guide is displayed at startup.
 - *Start displayed*: guide is always displayed at startup.
 - *Start as it was when last exited*: the guide will startup in the state that it was when you last exited *Surfer*.

15. TV Ratio : Determines the sizings for the Main and PiP windows:
16. Main/Guide Window : Determines whether to leave the size main screen as it is when the Guide Window is opened, or whether to shrink it to the size that has been configured for the Main/Guide Window.

Timer Indicators

Surfer will display graphical indicators to show events that are covered by timers. These will be displayed in both the Guide Window and Event Information Window.



The colour of the bars and circles will depend on how much of the programme event is covered by the timer.

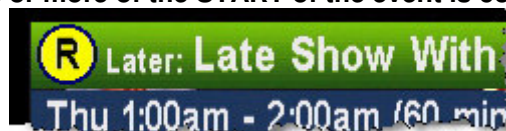
Red - Full event is covered by timer:



Orange – 50% or more of the END of the event is covered by timer:

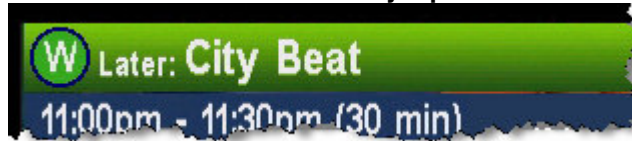


Yellow – 50% or more of the START of the event is covered by timer:



Pink – The event has a timer during the event but neither the Start or the End are covered.

Green – The entire event is covered by a preselect/watching timer.



Surfer also allows for the creation of one-off timers for events that are displayed within *Surfer*. Pressing *Record* will create a one-off timer for the event that is currently displayed in the Event Information Window. The *Timer Start/End Offset* times (options #12, #13) will be applied to the highlighted event.

Note:

1. *Surfer* will check for timer conflicts and will not allow timer creation if there is a conflict.
2. With the optional *Timer Start/End Offset* times set you cannot create timers for 2 consecutive shows as they will conflict.
3. You cannot create timers for events that have already been shown.

Recording Indicators

Surfer will provide coloured indicators to show shows that are currently being recorded.

These will appear in the Guide Window and the Event Information Window as with the Timer Indicators.

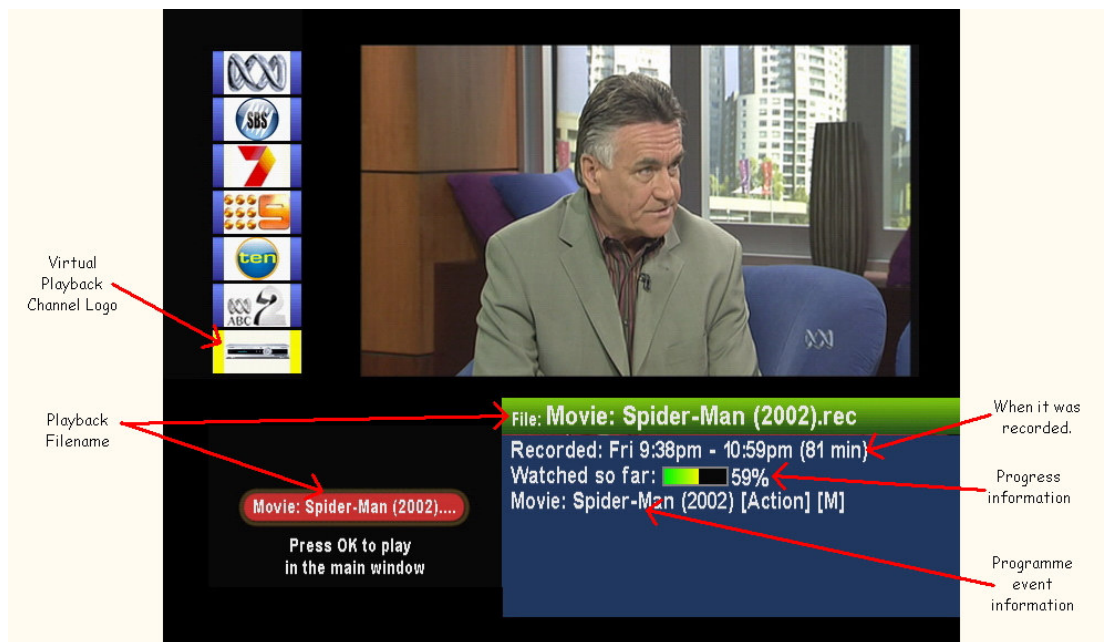
The colour for the indicators will be based on the same basis as the Timer Indicators.

The indicators that appear in the Event Information Window will have the tuner number for the recording appear in it.

Virtual Playback Channel

One of the features of *Surfer* is its ability to keep track of a currently playing recording and allowing you to switch between the normal TV Channels and this Virtual Playback Channel whilst in surf mode.

When *Surfer* is activated it will check if a current recording is in playback mode. If it is, then *Surfer* will record the recordings filename and associate it to the Virtual Playback Channel. *Surfer* will then keep track of the progress of this playback as you enter and leave *Surfer* or switch between normal TV Channels when using *Surfer*.



You can switch between the TV Channels and the Virtual Playback Channel using the normal *Surfer* operation keys.

At this release, *Surfer* does not keep track of playback operations outside of *Surfer*. So, if you are watching a recording and stop it outside of *Surfer*, when you restart *Surfer* it will only have details of the progress from the last time you invoked *Surfer*.

The logo for the Virtual Playback Channel will be the logo contained in the *999.gif* file when the logo creation process is done.

Here's how the Virtual Playback Channel is intended to be used:

1. Have a playback showing.
2. Invoke *Surfer*. It will record the current position of the playback at the *Surfer* entry point.
3. Keep watching the playback in the Main Picture Windows whilst you surf the channels in the small Picture-In-Picture Window.
4. If you find something worth watching, switch to it with *OK*. This will record the current position of the playback.

5. You can then exit *Surfer* and jump back into normal viewing mode.
6. When you want to recontinue the playback, start *Surfer* and select the playback channel, it will start from the position saved at point (4).

Window Resizing and Repositioning

Surfer provides two options for reconfiguring its windows:

1. **Quick Window Configuration.** Resizes and repositions *Surfer* windows based on the screen display boundaries that are set by the user.

Easiest way to configure the screen is to move the *Surfer* window up to the top left corner of the screen so that it is visible. Then using the <</>> keys expand the right-hand and bottom boundaries (press OK to alternate between the boundaries). Press RECORD when the screen has been configured correctly.

During the Quick Window Configuration, the following keys are available:

OK : Switches between the left/right and top/bottom boundaries for the sizing.

RECORD : Saves the windows positions and sizes.

EXIT : Quits without saving windows positions.

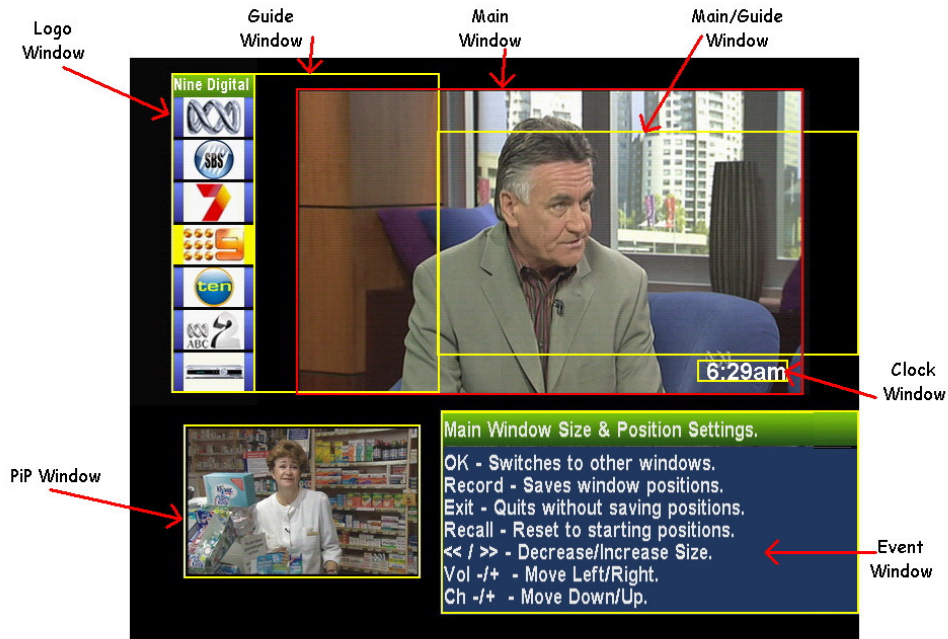
RECALL : Resets the window positions and sizes to the settings they started with.

<< / >> : Decreases/Increases the size of the selected boundary (either top/bottom or left/right).

Vol -/+ : Move the selected window Left/Right.

Ch -/+ : Move the selected window Down/Up.

2. **Advanced Window Configuration.** Each of the individual *Surfer* windows can be independently resized and repositioned.



During the Advanced Window Configuration, the following keys are available:

- OK : Switches to the other windows that can be configured. Current window is highlighted in red.
- RECORD : Saves the windows positions and sizes.
- EXIT : Quits without saving windows positions.
- RECALL : Resets the window positions and sizes to the settings they started with.
- << / >> : Decreases/Increases the size of the selected window – if allowed.
- Vol -/+ : Move the selected window Left/Right.
- Ch -/+ : Move the selected window Down/Up.

Note: During Advanced Window Configuration window movements there may be some screen components that are not entirely cleaned up as a window is moved. This is cleaned up when your press OK to move to another window.

Logo Creation

Channel logos for *Surfer* are based on 38h x 60w gif images. These are then combined into a single file *logo.dat* through the use of the *MakeLogos* TAP.

Logos are associated with specific channels by matching with their Channel Name, or via their LCN (LCN matching is new for *Surfer*). If *Surfer* cannot find an appropriate logo for a channel it will display the channel name as text.

Being part of the UK TAP Project, *Surfer* can utilise an existing *logo.dat* file that may be available for the *UK Timers* or *UK EPG* TAPs. The logo filenames must match the Topypy channel numbers, unlike Improbox, these names **are** case sensitive and should have all punctuation (excluding spaces) removed from their names.

However, an existing *logo.dat* **will not** have the default logo that is used for the Virtual Playback Channel. It is therefore recommended that existing users recreate their *logo.dat* file adding in the 999.gif file for the Virtual Playback Channel.

The installation package comes with a sample *logo.dat* and a set of sample GIF images. The sample *logo.dat* has been created for the UK and Australian broadcasters.

For the Australian broadcasters, the following logos for the major metro broadcasters have been provided:

2.gif	ABC
3.gif	SBS
7.gif	Seven Digital
9.gif	Nine Digital
10.gif	TEN Digital
21.gif	ABC 2
33.gif	SBS News
38.gif	SBS Radio 1
39.gif	SBS Radio 2
200.gif	ABC Radio
201.gif	ABC Jazz Radio
999.gif	Virtual Playback Channel

Additional Australian broadcaster logos can be obtained under the "UK TAPs" section at: <http://chris-anderson.customer.netspace.net.au/>

How to Create Your Own Logos:

- On your PC, create a gif image of the logo of 38 x 60 pixels.
- On your Topypy create the following directory structure:

Program Files

Auto Start
UK TAP Project
Source Logos

Note: *Auto Start* can be replaced by which ever directory you wish to install the TAP into.

- Copy all your logos to the "*Source Logos*" folder
- Copy the *makelogos.tap* file into the "*UK TAP Project*" folder.
- From the Topy, run the *MakeLogos* TAP in the "*UK TAP Project*" folder.
- You can either preview the gif files, the dat file or create a dat file.
- Create a dat file. This will create a *logo.dat* file in the "*UK TAP Project*" folder.

Known Issues

Item	Description
1	<p>Loss of Channel EPG info during Virtual Playback. If you start a recorded playback on Channel Z, and then invoke <i>Surfer</i>, the EPG data for Channel Z may be blank. If you switch Channel Z to the Main Picture Window the EPG data will be restored. Similarly, if you restart playback of the Virtual Playback Channel whilst in <i>Surfer</i>, it may temporarily lose the EPG data for the channel that is currently in the Main Picture Window.</p>
2	<p>No support for playback folders. << <i>Support now provided in V0.11a</i> >></p>
3	<p>No conflict handling of timers. If you create a timer from within <i>Surfer</i> it will check for timer conflicts. If it finds one it will not allow the timer creation. There is currently no facility to combine and/or split timers.</p>
4	<p>No timer padding. << <i>Removed. Timer Offset Options are now available in V0.10c</i> >></p>
5	<p>Slowness when scrolling channels with Guide Window active When the Guide Window is active the scrolling through the channels is slowed down – particularly if you are using a fully populated EPG. This is currently due to the large amount of events that may need to be scanned. Recommendation is to close the Guide Window when moving to a different channel.</p>
6	<p>No Favourites Support Currently <i>Surfer</i> will display all channels that are defined to the Topy and does not use the Favourite channel lists. For ease of use it is recommended to delete duplicate and/or unused channels.</p>
7	<p>UKChannels.ini Saved In Wrong Location << <i>Problem fixed in V0.11a</i> >></p>
8	<p>Service Unavailable With A Spare Tuner If you have a recording going on one tuner and being viewed in the Main <i>Surfer</i> Window, the Topy API will sometimes not provide the spare tuner available for use in the PiP and the “Service Not Available” message will be displayed. This is a limitation of the Topfield API.</p>
9	<p>TF5800 List/TVRadio Activation Keys Combined TAPs running on the TF5800 receive the same code from the List and TV/Radio Remote Control button. Therefore we cannot distinguish which key was pressed, so they are combined as an option in the activation key selection list.</p>
10	<p>TF5800 MHEG Applications Will Invoke Surfer with OK If you have OK set as your activation key, <i>Surfer</i> will invoke if you press OK whilst in a MHEG application on the TF5800. There is no state information available to the TAP to detect if a MHEG application is running or not, and the normal On Screen Activity</p>

	detection routines do not detect anything. Workaround is to choose a different activation key for <i>Surfer</i> .
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Possible Future Enhancements

Item	Description	Priority
1	Timer Combinations Allow adjoining timers to be combined and/or split.	
2	Virtual Playback Channel progress tracking Allow the Virtual Playback Channel to track the progress of recordings when played outside of <i>Surfer</i> .	
3	Favourites Support Provide the ability to specify the name of a Favourites Channel List to display just those channels within <i>Surfer</i> .	
4	TSR Commander Configuration Integration << <i>Now available in V0.10e</i> >>	

History

V0.11a 15 Oct 2005

New:

- **Window Resize/Reposition.** The various *Surfer* windows can now be repositioned and resized to provide users more flexibility to cater for personal choice and allow for TV overscan. Invoke via the *Menu* options. Two options are available:
 1. **Quick Window Configuration.** Sizes and positions the windows based on user setting the boundaries of their screens. *Note:* This will reset any advanced window configurations that may have been made.
 2. **Advanced Window Configuration.** Allows for resizing and repositioning of each window independently of each other. *Note:* During Advanced Window Configuration window movements there may be some screen components that are not entirely cleaned up as a window is moved. This is cleaned up when your press OK to move to another window.

- **Playback Progress Information.** If a playback is running in *Surfer* then its playback progress information will be recorded and updated every minute.

- **Main/Guide Window Shrink Option.** A new configuration option #16 "Main/Guide window" can be used to control the size of the Main Channel Window when the Guide Window is opened:
 1. **"Shrink to fit"** – The Main Window is shrunk to its configured size to allow it to fit next to the Guide Window.
 2. **"Normal Size"** – The Main Window is left as it is in its larger size and the Guide Window may cover over the Main Window.

- **Playback Folder Support.** Recordings can now be played back from within folders and sub-folders.

- **Guide Timeframe View.** Within the Guide window users can now move to previous/future events based on a timeframe (eg. 8:00pm, 8:15pm, 8:30pm). With the Guide window open user can move backward/forward using the |< and >| keys (PiP and TEXT for 5800 users). Pressing PAUSE alternates the timeframe interval between 15, 30 and 60 minutes (default is 30 minutes).

- **Page Through Channel Logos.** The channel logos can now be paged through using the << and >> keys to page through the channels one page at a time.

Changed:

- **Guide Window Events.** With the Guide Window open, scrolling up and down the channels will keep the pointer located at the Next or Earlier

events instead of switching back to the Now event each time. If the channel you switch to doesn't have a corresponding event then it will move to the closest event.

- **Playback Duration Information Refresh.** Whilst a recording is playing back in *Surfer*, *Surfer* will update the duration/progress information each minute whilst *Surfer* is open.
- **INI file renamed.** The INI file for *Surfer* has been renamed to *Surfer.ini*. The old UKChannel.ini file will be automatically renamed.
- **PiP Swap Key.** The PiP Swap key can now perform the same function as the Recall key as defined by *Surfer* Option #8.

Fixed:

- **Folder Playback Crash.** When recording from a folder was selected to playback it would report an error and then crash. Fixed so that just an error is reported.
- **Graphics Cleanup.** Cleaned up several graphics lineup and positioning aspects.
- **INI File Created In Wrong Directory.** If a recording was played back and then the *Surfer* configuration was changed, then the *Surfer.ini* file would be created in the wrong directory.

V0.10f 29 Sept 2005

New:

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Changed:

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Fixed:

- **Playback EventName.** The description of the playback event would get corrupted for long descriptions.
- **Surfer Invocation.** *Surfer* would not start up if the Topy Mute or Volume graphics were displayed. This restriction has been removed.
- **Playback Crashes.** When *Surfer* was started with a playback running it would sometimes crash the Topy if the playback had a long event name, filename and/or description text. Would also occur if playback of this recording was started from within *Surfer*.

V0.10e 15 Sept 2005

New:

- **TSR Commander Support.** *Surfer* can now be configured and/or stopped using TSR Commander.
- **Guide Startup Option.** There is a new Configuration option #14 "Guide At Start" which determines whether the Now/Next overview guide is displayed at startup. With the following options:
 - "Start Hidden" no guide is displayed at startup.
 - "Start Displayed" guide is always displayed at startup.
 - "Start as it was when last exited" the guide will startup in the state that it was when you last exited *Surfer*.
- **TV Screen Ratio.** There is a new Configuration option #15 "TV Screen Ratio" that you can set to specify the type of TV you are using. *Surfer* will then resize the Main and PiP windows of *Surfer* for the appropriate 16:9 size for your screen. This option was added to try to help stop some of the ratio changing issues with the TF5800. **Note:** it will not control or prevent any automatic ratio changes that the Topyy may do based on the broadcast stream.

Changed:

- **Screen Layout.** Moved the logo and guide windows down so hopefully they are out of most TV overscan areas.
- **Text Layout.** Cleaned up some of the text positioning.
- **Logo Highlights.** You can now change the logo highlight when using the Linear mode if displaying logos. Option is the existing option #4. (Normal yellow highlight for Linear mode is option #4)

Fixed:

- **Invocation Key Stuck on OK.** V0.10c had an issue that the invocation key would get stuck on "OK"

V0.10c 13 Sept 2005

New:

- **Channel Entry.** When in *Surfer* you can now manually enter the channel number via the number keys. Pressing OK after entering the channel number, or waiting approx 2 seconds (without pressing a key) will select the entered channel in the logo list. The number being entered will be displayed in the green bar at the top of the logo display.
- **Channel Name Display.** The name of the channel that is highlighted in the logo list is now displayed at the top of the logos in the green bar. (Due to the limited space, the channel name is truncated at a word break to fit on a single line.)
- **Automatic Screen Fade.** There is a new Configuration option "Screen Fading". With the following options:
 - "Off" no screen fading is possible.
 - "Manual" screen is faded in/out with the Blue key.

- “Automatic after x seconds” screen will automatically fade out after x seconds. It will fade back in when a key on the remote control is pressed (except the Recall key). (Increase the time in the config menu using the Vol +/- keys for +/- 1 seconds or <</>> for +/- 10 seconds.)
- **Starting Channel.** There is a new Configuration option “Start Channel” that you can set to determine the channel which *Surfer* has highlighted when it starts.
- **Timer Offsets.** Two new configuration options “Timer Start/End Offset” allow you to specify the number of minutes to offset the start and end of a manual timer. **NOTE:** Because *Surfer* does not handle timer conflicts, you will not be able to create two consecutive timers if you have the offsets set.

Changed:

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Fixed:

- **Timers on the hour.** If a timer was set for a show starting on the hour (eg. 4:00), *Surfer* would incorrectly make the timer for 3:60.
- **Surfer Invocation.** *Surfer* would not start if the Topsy PVR icons were displayed in the top right of the screen (eg. Recording status, fast forward, pause icons). *Surfer* will **not** invoke if there is anything displayed on the screen between:
 - 50x,30y and 200x,200y
 - 150x,390y and 400x,510y **AND** OK is the activation key.
- **Now/Next/Later Events.** With a small number of events, *Surfer* would incorrectly mark the “Next” event as a “Later” event if it was the last event.
- **“No Service” Indicators.** The “No Service” indicators were not completely erased when changing channels in V0.10 in widescreen mode.

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V0.10 10 Sept 2005

New:

- Recall Key option. The Recall key can now be configured to swap the main and PiP channels over, rather than moving back to the original starting channel.
- Pressing the Blue key whilst *Surfer* is displayed will fade in/out the channel and event information. All *Surfer* keys will still be active even if the channel and event information is not displayed.
- Now updates the event progress information each minute.

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Changed:

- Timer events cannot be created when there is no event information.
- Colour of tuner number in recording indicator circles.

- Changed Recording indicators to show when % of event covered is 0 or more.
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Fixed:

- Topy would hang if *Surfer* was started in Radio mode. Fixed.
- *Surfer* now can match logos for Radio channels based on LCN. Fixed.
- Removed extra space in front of hours in textual progress information.
- If you directly enter a channel number outside of *Surfer* and then pressed OK it would incorrectly start *Surfer*. It now operates as normal and takes you to the channel.
- *Surfer* would incorrectly make a timer (eg. 8:60) if it was to start on the hour.

V0.09b 8th September 2005

Initial Beta release.