MYINFO TAP

1   INTRODUCTION

The MyInfo TAP is intended to provide and log information which may help others to diagnose problems being encountered. All the information can be obtained in other ways, but my collecting it together and logging it to hard disc it is hoped it will be of assistance to "newbies" and those less familiar with Toppy operation.

2   MODES OF OPERATION

It can be used in either of two ways:

- Manually run from any directory, in which case the data is logged and then presented on screen until any key is pressed at which point the TAP closes down

- Automatically run from Auto Start, in which case it will log the settings etc approximately one minute after boot (to allow other TAPs to start) and then shuts down. In this mode there is no on-screen display of the settings.

If you choose to put it in Auto Start, you can also use it in the manual mode after about 2 minutes from boot-up – earlier than that you will get the log without the screen presentation.

There are no facilities for customisation apart from the colour scheme – see below.

3   DATA DISPLAYED/LOGGED

The data displayed is as follows:

Note that "binary" Gigabytes (2^30 bytes) are used for the disc figures rather than the "decimal" (10^9) so 160 GB models are reported as 149 GB etc.

The logged data is essentially the same, but is in the form of a text file so is less constrained. The patch list is shown as both a patch string for cutting & pasting into forum signatures etc, and as a list of individual patches which may make finding entries easier. It also includes a suggested Toppy forum signature made up from the above information, and a link to simonc's patch decoder. The signature includes the abbreviations "IA on" and "TS On" if Interactive and Timeshift are on, but nothing if off (to minimise the signature length). For more information on use of Toppy forum signatures, see http://tinyurl.com/toppyhelp.

However the logged data does contain two extra sets of information, namely the Tv Output settings (which might explain no picture on the TV, and a list of programme channels on each transmitter channel.

N.B. Only recordings in "/DataFiles" and its sub-folders are recognised. A folder is considered empty if it has no recording files in it, even if it contains sub-folders that do contain recording files.

The log is stored in "/ProgramFiles/Logs/MyInfo Log.txt", having created the Logs subdirectory if necessary. An example log file is included in the download ".zip" file.

4   PROGRAMME CHANNEL LOG FILE

By default, a separate log file ("/ProgramFiles/Logs/MyInfo Channel Data.txt") is produced which gives details of all programme channels on your Toppy thus:

```
1      BBC ONE      {Tx:49, SvcId:4167, VideoPid:600, AudioPid:33369}
2      BBC TWO      {Tx:49, SvcId:4231, VideoPid:610, AudioPid:33379}
3      ITV1         {Tx:68, SvcId:8257, VideoPid:520, AudioPid:33289}
4      Channel 4    {Tx:68, SvcId:8384, VideoPid:560, AudioPid:33329}
Etc
```

Each Tx channel corresponds to one "Mux". Radio channels are listed after the TV channels. An example file is included in the download zip file.

For this feature to operate correctly, you need a copy of "Firmware.dat" in "/ProgramFiles/Settings" unless you are using a TF5800 or TF5810 model – see installation section below for details. Without this file the Tx channel number will be replaced by "??"
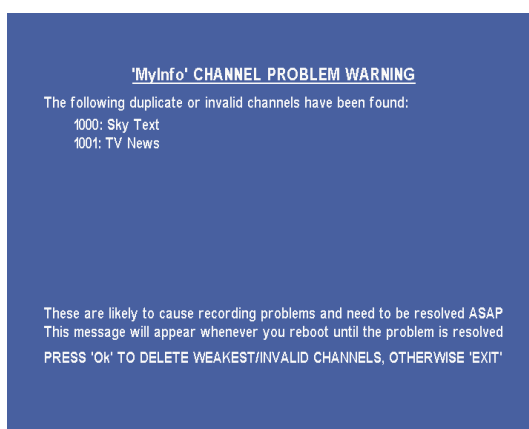
Generation of this file can be suppressed by the inclusion in the ini file (see below) of a line consisting of:

"DontSaveChannels"

without the quotes.

5   DUPLICATE/UNNAMED/INVALID LCN DELETION (UK MODELS ONLY)

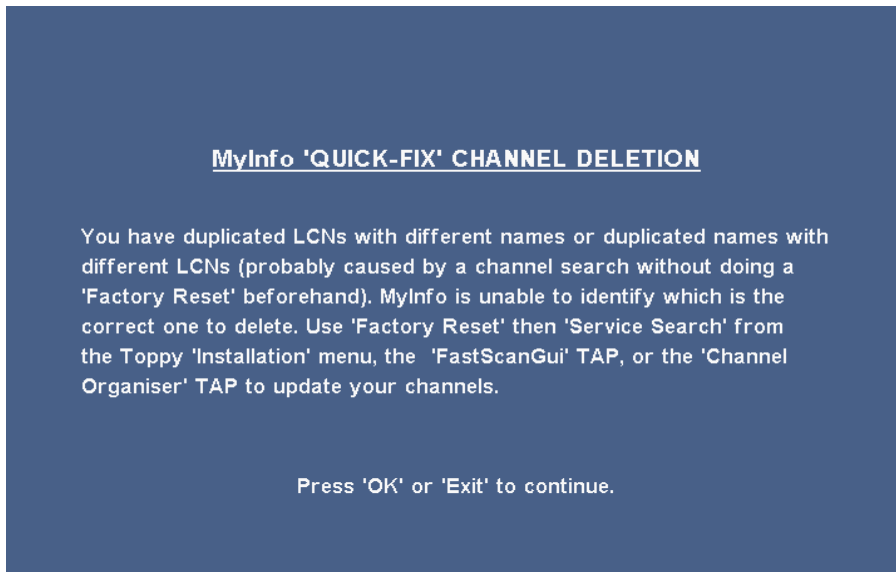When run on a UK Toppy (5800, 5800t, or 5810), a simple deletion facility is provided for duplicated, unnamed channels, and channels with LCN values of 1000 or more. If you have duplicate channels with the same name and LCN, you will see:

A similar screen is displayed if you just have unnamed channels. Pressing "Exit" takes you to the normal state display, or closes down MyInfo if being run from Auto start at boot time.

Pressing "OK" deletes the version with the poorest signal for duplicated pair, or all but the best signal if there are 3 or more copies. On completion of the deletion TF5800 model will reboot to ensure the new channels are in use, but on the TF5810 this cannot be initiated by TAPs so a message instructing you to reboot is displayed. (N.B. All other TAPs will be inhibited, so a reboot is the only way of recovering normal operation).

However if there are duplicate names with different LCNs and/or duplicate LCN's with different names, MyInfo is unable to determine which is correct. A message recommending rescan is then displayed thus:

Pressing "OK" or "Exit" takes you to the normal state display, or closes down MyInfo if being run from Auto start at boot time.

This facility produces a separate log file called "MyInfo Channel Deletion Log.txt" An example is included in the download zip file

Operation of this facility can be suppressed by the inclusion in the ini file (see below) of a line consisting of:

"DontDeleteDuplicates" (without the quotes).

6   "RELATIVE" PATCH LISTS

To avoid the long lists of patches, and emphasise any that may be missing, a file called "MyInfo.ini" placed in "/ProgramFiles/Settings/" can be used to define baseline patch configurations. When a relevant baseline is detected, the main patch list is replaced by the baseline name plus a list of missing and additional patches relative to this baseline.

The "ini" file is a text file, with one or more entries such as:

```
456:1365::5.13.65T 14/4/2009:AbBfBqCeCkCyEcEeEfEpErEsFGmHHeKtMh.....
```

The various fields are separated by colons, and consist of:

- Model number (456 for TF5800, 457 for TF5810, etc)
- Base firmware version (1365 for 5.13.65 etc)
- Optional TAP dependency – see below. If not used, leave two adjacent colons as above.
- Baseline name, any text string, but not including colon
- The patch contents for that baseline

The file can have multiple entries, and the first one matching your Toppy configuration will be used.

The optional TAP dependency allows the baseline to be made dependent on the presence of a TAP, or even a version of a TAP. To do so, just insert the TAP name (as displayed by the native archive) in the relevant field without any additional spaces. The screenshot above shows this feature in use.

The "MyInfo.ini" included in the download zip includes examples of how to use the above facilities, but NOTE THAT THIS MAY WELL NOT BE UP TO DATE, AND THE MYSTUFF EXAMPLES ARE NOT UNDERWRITTEN BY THE MYSTUFF TEAM.

7   SKINS

The colours used for the display can be changed using a "skin" in "ProgramFiles/Settings/Skins/". It looks for:

1. "MyInfo.mcf". If this is not found,

2. "EMJBTaps.mcf", which allows a common colour scheme to be used for all my TAPs. If this is not found,

3. "CurrentlySelectedSkin.mcf". This is produced by MyStuff 5.5 onwards when you change skin to anything other than the default, and allows other TAPs to automatically change heir skins in line with that in use by MyStuff.

If none of the above are found, a default colour scheme is used which is optimised for CRT TVs.

A copy of a MyStuff skin file can be used, though only the following elements are used:

- "Background=" (background)
- "TextForeground=" (text)

and all other entries are ignored. The keywords above should be followed by the red, green & blue values (separated by commas) in the range 0-255 with no spaces or final comma (e.g. 255,0,0 for red, 255,255,0 for yellow etc).

8   OPTIONAL LANGUAGE FILE

"MyInfo.lng" is FireBird library language-type file that allows the on-screen messages to be defined for several different languages. The language selected is that used in the Toppy menu system, so requires no further selection. If no entries are found for a language, the English versions are used. The English text can be amended if you think some messages could be clarified.

Unlike the standard FireBird library implementation, however, MyInfo will operate with the original English text if this file is not found, and will require slightly less memory. It is therefore recommended that this file is not installed unless required

It is recommended that this file is placed in "ProgramFiles/Settings", if it is required.

9   <u>INSTALLATION</u>

Simply extract MyInfo.tap from the zip file, and copy it into the Toppy directory of your choice. This file can be renamed, but must not contain spaces and must end in ".tap" (case-sensitive), but changes will not be reflected on-screen or in the log file name.

To get correct Tx channel data on non-UK machines, copy "Firmware.dat" from the download zip into "/ProgramFiles/Settings". If this does not work, download the latest version from http://www.topfield.cc/files/Firebird/FireBirdLib.zip.

10   <u>UNDERSTANDING THE LOG FILE</u>

10.1   <u>Header</u>

The header will normally of the form:

"MyInfo B5.3 Logging settings etc on 27/8/2010 at 08:43"

Indicating which version has been used and when it was generated. However if the Toppy time/date is invalid (as indicated by the year being before 2010), the header will read:

"MyInfo B5.3 Logging settings at unknown time/date"

When running from Auto Start, a delay of up to 10 minutes is applied to see if a valid year appears before starting the logging to cope with the situation after a power cut.

10.2   <u>Ini File</u>

"Ini file found" indicates that an ini file has been found, but not that the contents are valid

10.3   <u>Basic System Parameters</u>

These are logged as follows:

      "System ID: 456
      TV Output: Type = PAL, Video = RGB, RF Channel = 22
      Reported firmware version: TF-NPT 5.13.65T dated Oct 10 2009
      Base firmware version: 5.13.65"

10.4   <u>TAPs</u>

This section first lists the TAPs that are running and which slots are empty thus:

      "Running TAPS:
            Slot 0: MyStuff 6.2 : UI Replacement
            Slot 1 not used
            Slot 2: Tap Launcher 3.10 : Launches TAPs by key or time/date
            Slot 3: TF5000 Display v1.53 : Controls the LED display
            Slot 4: TAP Commander 1.34 : Configure and manage TAPs
            Slot 5: WSSkiller V2.12d : WSS killer
            Slot 6: Extend v1.7 : Uses the Accurate Recording info to extend recordings (safely)
            Slot 7: MHEG On/Off A3 : MHEG control
            Slot 8: Email Viewer X6f : Allows you to view emails on your Toppy

> Slot 9: Duplicate Recorded Programme Excluder A1 : Instructs MS6 to exclude episodes already recorded
> Slot 10: TapTest E9 : TAP Testing Utility
> Slot 11: MyInfo B5.3RC3 : Displays & records Toppy basic info
> Slot 12: ShutDownDelay X2 : Delays shutdown after recordings
> Slots 13 - 15 not used"

MyInfo will always appear in this list. The empty slots in the middle of the list are caused by TAPs that have run and then closed down before MyInfo generates its log file.

The Auto Start TAPs that are no longer running are then listed thus:

> "Found Auto Start TAP which is no longer running: Auto Restore A2E1 (Filename: AutoRestore.tap)"

These often perform a similar role to patches, so the fact that they have run could provide clues as to the causes of some problems. N.B. The logic is not clever enough to recognise that TAPs have been prevented from running by pressing the zero key during the boot period, so these will appear under this heading.

10.5 Patch Information

The patches applied are shown as a complete list thus:

> "Installed patch list:- Ab Bf Bq C0 Ce Cf Ck Cp Ct Cw Cy De Ec Ee Ef Ep Er Es F Fs Gm H He Hr Hs Kt Mh Nf Ot P Pc Pe Ps R R0 Ra Re Rh Rp Rs S Sd Sl Sr St T2 Td Te Tf Tp Ts U Uu Vr Xp Xw Z Xl"

If an ini file entry matching your system, the any extra or missing patches will also be displayed relative to that baseline thus:

> "Firmware MS6 Recommended F/W 12/9/2009 modified thus: -Fm-Sy+C0+Cf+Ct+Fs+Hr+Hs+Pe+Ps+R0+U+Uu+Z+Xl"

Links are then provided to enable you to decode you patch list thus:

> "Patch Decode Links - Will explain your patches: MS6 Recommended F/W 12/9/2009 :-
> http://www.toppy.org.uk/~simonc/dp.html?p=AbBfBqC0CeCfCkCpCtCwCyDeEcEeEfEpErEs
> FFsGmHHeHrHsKtMhNfOtPPcPePsRR0RaReRhRpRsSSdSlSrStT2TdTeTfTpTsUUuVrXpX
> wZXl
> Missing patches:- http://www.toppy.org.uk/~simonc/dp.html?p=FmSy
> Extra patches:- http://www.toppy.org.uk/~simonc/dp.html?p=C0CfCtFsHrHsPePsR0UUuZXl"

10.6 Channel Information

If you channel set up has no duplicated channels, and all have valid names & LCNs, then you will see something like:

> "Found 26 TV channels and 23 Radio channels
> No channel problems detected
> LCNs of programme channels found on Tx Ch 39 are: 9, 301, 303, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710,
> LCNs of programme channels found on Tx Ch 48 are: 10, 20, 30, 31, 38, 712,
> LCNs of programme channels found on Tx Ch 49 are: 1, 2, 7, 105,
> LCNs of programme channels found on Tx Ch 50 are: 12, 15, 24, 711, 713, 714, 715, 716, 718, 722,
> LCNs of programme channels found on Tx Ch 54 are: 11, 19, 108, 723, 725, 727,

Otherwise any problems will be identified.

10.7   Other System Information

This should be self-explanatory thus:

"Time Mode set to Auto
Time Offset set to Auto

Interactive Off
Timeshift Off

Memory - Free: 10 MB, Available: 8 MB
Disk - Total: 149 GB, Free: 18 GB

94 recordings (113 GB) + 16 deleted (19 GB) in 11 folders (+ 0 empty folders)

Time since boot: 0:0:1 (d:h:m)"

10.8   Toppy Forum Signature

This contains a recommended signature for the Toppy forum based on the previous information thus:

"Suggested signature for Toppy forum - copy following lines to signature block at http://forum.toppy.org.uk/forum/profile.php?mode=editprofile
[size=10][b]TF5800[/b],   F/W: MS6   Recommended   F/W   12/9/2009   -
FmSy+C0CfCtFsHrHsPePsR0UUuZXl
 [b]TAPs:[/b] MyStuff 6.2; Tap Launcher 3.10; TF5000 Display v1.53; TAP Commander 1.34; WSSkiller V2.12d; Extend v1.7; MHEG On/Off A3; Email Viewer X6f; Duplicate Recorded Programme Excluder A1; TapTest E9; MyInfo B5.3RC3; ShutDownDelay X2; (Auto Restore A2E1);
Sig generated by [url=http://myweb.tiscali.co.uk/emjbtaps/MyInfo/MyInfo.zip]MyInfo[/url] on 27/8/10[/size]"

11   PC COMPANION

This feature has been superseded by Geoff Bacon's far superior "TopManager" Windows application – see http://www.toppy.org.uk/downloads/info.php?tid=290 .

12   MORE INFO & FEEDBACK

Please see http://forum.toppy.org.uk/forum/viewtopic.php?t=13657.

13 VERSION HISTORY

A1   Not generally circulated.

A2   First public release.

A3   Time since boot and suggested forum signature added.

A3a   Bug Fixes for:
         Toppy type in log signature string often incorrect
         Interactive state always reported as being off on-screen (but correct in log file).
         MyInfo.mcf skin file not recognised

A4   Link to simonc's patch decoder added to log file
         Link to MyInfo only included in forum signature if it will not exceed 510 char limit
         Warning added to log file if forum signature exceeds 510 char limit

A4a   Minor changes to draft forum signature to reduce size.

A5   "." Added in firmware I/D to read "13.65" etc
         Timeshift state added to display and log file
         "IA on" and "TS On" added to draft forum signature if Interactive & Timeshift selected
         Various tidying up and rationalisation of code which should not have affected the results.
         Source code added to download zip file

B1   Code tidy up
         Movement of forum signature to end of log report.

B2/B3   Not generally released.

B4   Rearranged display layout to save space
         Check for duplicated channels & LCNs > 1000 added
         Multilingual support added.
         Concept of baseline patch configurations introduced.

B5.0   Channel data recording added
         Duplicate delete facility added (UK only).
         Changes to log file to reduce area occupied when posting on Toppy.org.uk
         TV Output settings added to log file.
         Code tidy up.

B5.1   Fix for problem when run with another TAP's OSD open.
         Fix for blue screen when user declined to delete duplicate channels.

B5.2   Removed possible extraneous characters on end of patch string.

B5.3   AutoStart TAPs which are no longer running identified in log file
         Multiple AutoStart TAPs with same ID identified in log file
         When run from Auto Start, delays logging if for up to 10 minutes if date is invalid
         Channel count re-instated in main log file
         Bad recording search ignores all files in directories whose name contains "Cache", and in their subdirectories

B5.4   Special logic added to ignore duplicated name "ADULT Section".

B5.5   Check on time settings added
         Channel deletion logic changed to cope with LCN >=1000, and generally tidied up.
         UK terrestrial models no longer need "Firmware.dat" file

B5.6   Fixed bug in display of disc size/use (mixture of decimal and binary GB).
Changed disc search code in attempt to eliminate problems with corrupted discs

14   ACKNOWLEDGEMENTS