TIMESHIFTBOX USER MANUAL

Legal notice

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TimeshiftBox *User's Manual*

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Preface

Dear **PlayBox** customer,

Thank you for purchasing our product! We would like to assure you that you have chosen the most cost-effective and versatile TV automation system on the market. As always, we are trying to stay close to our customers' needs, making sure they all receive adequate support and satisfaction. Your opinion about our product is an exceptionally valuable source of information for us. The ease of working with the **PlayBox** products results mainly from the suggestions and comments of our current respected customers.

This manual is structured into several sequential chapters, each aiming to ease the installation, fine tuning, and use of our products. We hope that you will enjoy working with it, and we are anxiously looking forward to receiving your feedback.

Please, send your questions, suggestions, and assistance requests to:

support@playboxtechnology.com

General feedback:

info@playboxtechnology.com

Style Conventions

- File names, software, documents or terms are written in *italics*
  - The data is written in the *settings.ini* file.
  - The file is located in *C:\Program Files\DMT**AirBox***
  - For further information read *Shortcuts* reference book.
  - The *VTR* is controlled via *RS-422*.
- Direct quotations from the computer screen are presented as follows:
  - **Menu Items and commands**
  - ***Tab/Page names***
  - **Column names (i.e. in a playlist or another grid)**
  - *Field names, check boxes*
  - ***Buttons***
  - Screen readings are written in [square brackets]
  - **The keyboard keys are enclosed in <> signs**
  - *Terms are defined in the Glossary at the end of the manual*
- The arrows, used in the setting procedures mean as follows:
  - ➔ A menu item follows;
  - ⇨ A page(tab) name follows;
  - → A field name, a check box name, or a value name follows.

Except for arrows, you can distinguish between the relevant menu categories also by the styles, listed above.

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GETTING STARTED

Quick Start

1. Launch *TimeShiftBox*.
2. On the **File** menu click **Preferences**.
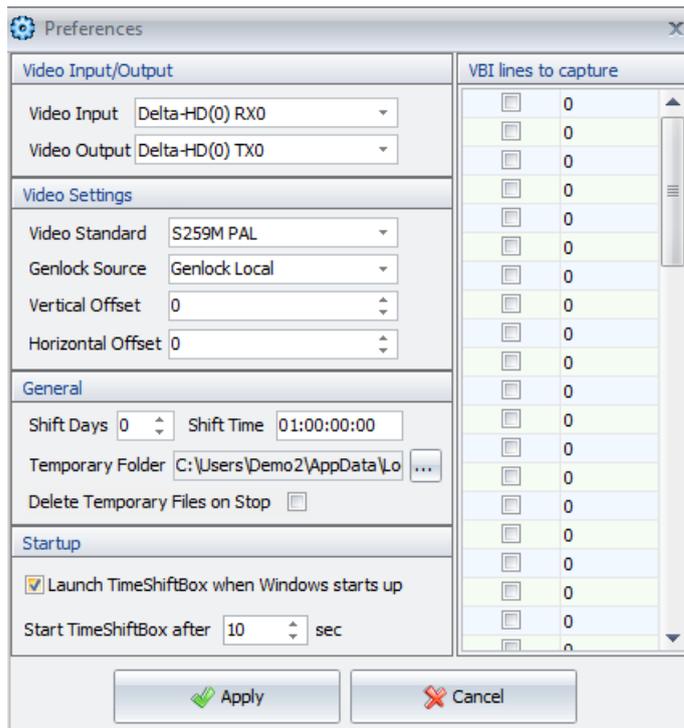
3. In the dialog box, select your **DeltaCast** board from the *Video Input* and *Video Output* lists– for input and output, respectively.
4. In the *Video Settings* area select the *Video Standard* and the *Genlock Source*.
5. In the *General* area enter the shift time values (the delay interval) in the *Shift Days* and *Shift Time* fields.
6. Click the *Apply* button.
7. In *Timeshiftbox,* below the *Output* preview window click the *Start* button to start time shifting, and then click the *Stop* button to stop it.

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USER INTERFACE

TimeShiftBox is a solution providing accurate program time delays. Depending on the available storage, the delay could be even longer than a week.

TimeShiftBox allows capturing of the source video and playback of the captured file. *TimeShiftBox* captures the source video in a temporary file. After the user defines a time period (i.e. after shifted start time), the playback of the temporary file will start. All temporary files, older than 16 hours, are deleted automatically from the system.

The major modules of the *TimeShiftBox* user interface are the *Input* and the *Output* preview windows. The *Input* preview displays the original video signal and the *Output* preview – the shifted (delayed) video.

Under the preview windows there are four timers:

    Current Time – the current system time;

    Capture Start Time – the start time of *TimeShiftBox*;

    Shift Time – the time delay set by the user. The shifted start time, as shown above, is 1 hour and 2 milliseconds;

    Playback Start Time – the start time of the delayed (shifted) playback. It is the sum of the **Capture Start Time** and the **Shift Time**.

EXAMPLE: If the Capture Start Time is 14:40:00:00, and the Shift Time is set to 00:01:00:00, the Playback Start Time will be 14:41:00:00.

NOTE: The time format of all timers is: HH:MM:SS:MS.

Below the timers in the *Output* preview section, there are the **Start** and **Stop** buttons. Click the **Start** button to start time shifting and **Stop** button to stop it.

TimeShiftBox captures the incoming video signal in a temporary file and then plays it out with the delay set by the user. The available free disk space for capturing is visible in the *Disk Free space* section.

MENU BAR

On the **File** menu there are two available settings: **Preferences** and **Logo Config**.

Preferences
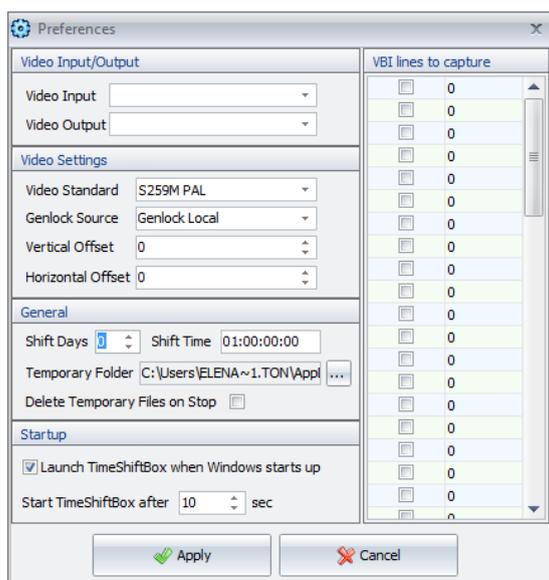
In the *Video Input/Output* area select your **DeltaCast** board from the corresponding drop-down lists – for input and output, respectively. All available **DeltaCast** boards on the workstation, where **TimeShiftBox** is installed, should be visible in the *Video Input* and *Video Output* lists.

Use the *Video Settings* preferences to select the *Video Standard* and the *Genlock Source*. Use the *Horizontal* and the *Vertical Offset* spin-boxes to set shifting of the Horizontal and Vertical Ancillary lines (HANC and VANC lines), respectively.

In the *General* area you can configure the shift time. Enter the desired shift time via the *Shift Days* and *Shift Time* fields. Select a path in the *Temporary Folder* field, where the temporary captured file will be saved.

IMPORTANT: If you are using more than one instance of **TimeShiftBox**, make sure to set different temporary folders for each instance.

In the *Startup* area you can enable the *Launch TimeShiftBox when Windows starts up* option and set a time delay in the in the *Start TimeShiftBox after ... sec* spin-box. As shown in the example above, **TimeShiftBox** will be initiated 10 seconds after Windows has started.

The *VBI lines to capture* preferences allow you to select which VBI lines to be captured in the temporary file, used for setting the time delay.

Logo config
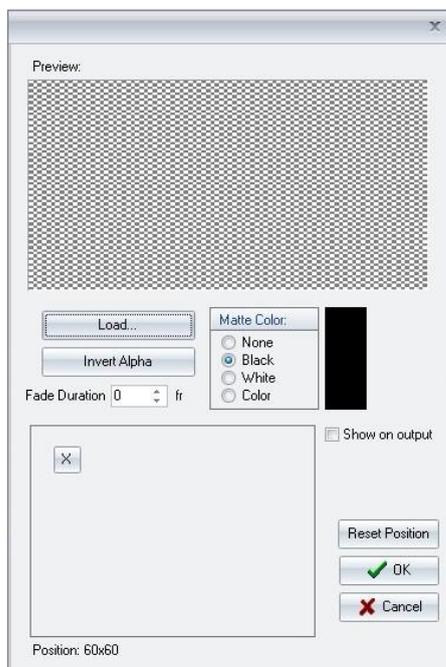
In the *Logo configuration* dialog you can set logo images to be displayed in **TimeShiftBox**. You can also access this dialog by clicking the **Show Logo/Hide Logo** button in the upper right corner of the main interface.

To load a new logo, click the **Load** button, and select a file. It will appear in the *Preview* area. Click the **OK** button to save the logo file in the preset list.

NOTE: The logo file format depends on the decoder. 32-bit RGBA files are most preferable, but TGA, JPG and PSD files are supported, as well.

The **Invert alpha** button inverts the alpha key of the logo (if the original picture file has an alpha).

The *Matte Color* section allows you to set a background color, which will mix with the transparent colors of the image and will make them easy removable.

The *Position* area displays the logo position on the screen. You can select and move the logo in the position box with the mouse.

Select the *Show on output* check box if you want to display the logo while you are editing it.

Use the *Fade Duration* spin box to set in how many frames the logo will disappear.

NOTE: All changes will be shown on the screen immediately.

Click the **Reset Position** button to reset the logo position to its initial state.

On the **Help** menu click **About** to get information for the current version of your *TimeShiftBox*, its expiration date and your WIBU Box number.

PlayBox Doctor Report

On the **Help** menu click **PlayBox Doctor**.
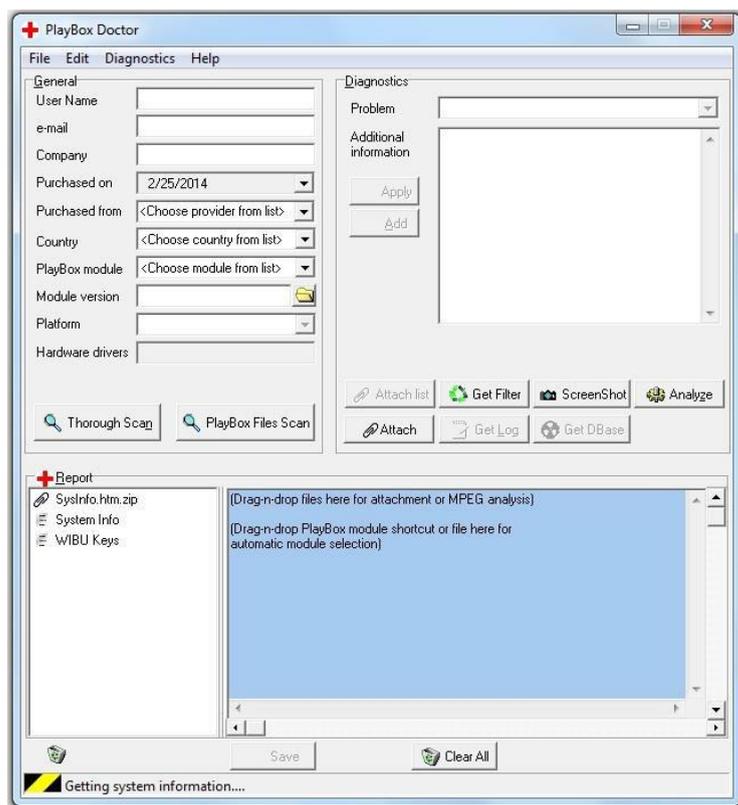
PlayBox Doctor allows you to generate problem reports. It is integrated in each *PlayBox* module. It gathers information, needed for the *PlayBox* support team, in order to provide you with prompt solutions.

The fields you need to fill in are self-explanatory. Some of the information is collected automatically at startup.

You need to type your name, email, company, and select your country from the list. Choose the hardware platform you are using for *TimeShiftBox* and specify the installed driver version. When you fill in all the needed information in the *General* area, click the **Apply** button to insert this information in the report.

In the *Diagnostics* section you can select a problem that you are having, from the corresponding list, or you can describe it manually in the *Additional information* field. Click the **Add** button to insert the description of the problem in the report.

Click the **Thorough Scan** button to scan the entire system. *PlayBox Doctor* will generate a list of all files stored on your hard disk drive. Include this information in your *PlayBox Doctor* report if you suspect that some files might be disturbing the smooth running of *TimeShiftBox*.

Click the **PlayBox Files Scan** button, in order to search for missing or problematic *PlayBox* files and to add this information to your *PlayBox Doctor* report.

The **Get Filter** button adds information about the filters used in *TimeShiftBox* to your report.

If you want to make screenshots, click the **Screenshot** button. After **PlayBox Doctor** minimizes automatically, select the area you want to shoot.

If you are having issues with a specific file, click the **Analyze** button to browse for it. The support team will receive information about the file's structure.

Attach any files you want to send by clicking the **Attach** button. If your attachments are bigger than 4 MB, please upload your files on the **PlayBox** FTP. Please contact us at support@playboxtechnology.com to get an uploader name and password.

Clicking the **Get Log** button attaches automatically the log files of **TimeshiftBox**.

The **Get DBase** button is active only if you have selected DataBox from the PlayBox module list. This action provides information about the database in your DataBox.

NOTE: Do not forget to add your contact information and send us the generated **PlayBox Doctor** report directly (if Internet connection is available) or save it as a file and send it later.

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