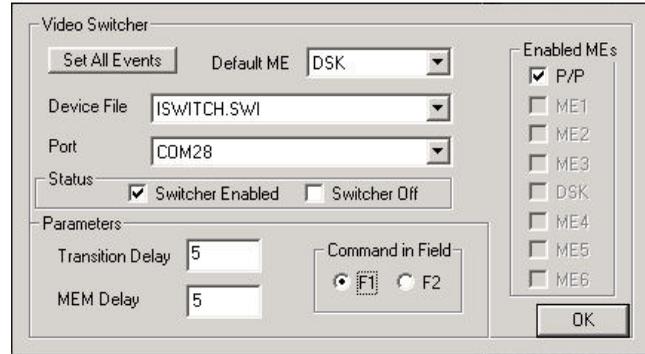


Fastrack® TT/Time Tailor® Application Guide

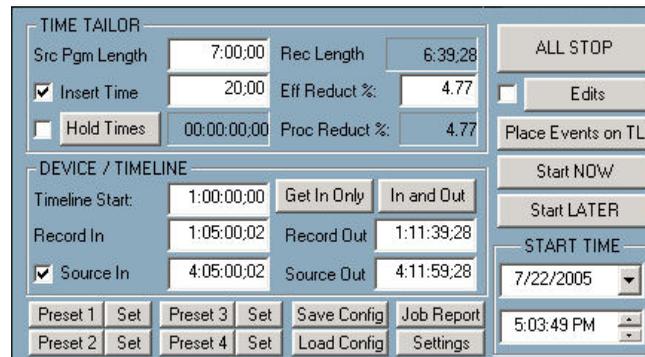
- Connect the 8-conductor breakout cable to the large “D” connector at the right rear of the Fastrack backplane. Connect the “P0” RS-422 9-pin connector to the RS-422 serial connector on the rear of the **Record VTR**. Connect “P1” to RS-422 connector on the **Source VTR**. Connect “P2” to the RS-422 connector on the **Time Tailor**.
- Connect composite **black reference** to the sync inputs on the rear of the Fastrack chassis and the Time Tailor. (For **PAL**, see Item #18)
- Locate the “iSwitch” BNC connectors on the back of the Fastrack. (3 on a PCI card). Connect SDI video out from the Source VTR to the middle BNC. Connect SDI black signal to the top BNC, and connect the lower BNC to the Time Machine Digital Video IN connector.
- Connect the Time Machine Digital Video OUT to the Record video SDI IN.
- Connect the appropriate audio signals from the Source VTR to the Time Machine inputs, and the Time Machine audio outputs to the Record VTR audio inputs.
- Assure that the Time Tailor and the VTRs are in “Remote”.
- On the Desktop of the Fastrack, [double click] the **Fastrack icon** to open the Fastrack application.
- Press **[SHIFT] [@]** to open the Fastrack Assignment Page. Check that the device settings already entered are correct.

Track	On	Device Name	Class	Device	Auto	Port	Pool	V-Switch Video
1	<input checked="" type="checkbox"/>	Record	SONY	DVW500A	<input checked="" type="checkbox"/>	P1		2
2	<input checked="" type="checkbox"/>	Source	SONY	DVW500A	<input checked="" type="checkbox"/>	P2		2
3	<input checked="" type="checkbox"/>	TimeTailor	TIMEMACH	TimeMach	<input checked="" type="checkbox"/>	P3		1
4	<input checked="" type="checkbox"/>	Black	XPNT		<input type="checkbox"/>			1
5	<input checked="" type="checkbox"/>	none			<input type="checkbox"/>			
6	<input checked="" type="checkbox"/>	none			<input type="checkbox"/>			
7	<input checked="" type="checkbox"/>	none			<input type="checkbox"/>			
8	<input type="checkbox"/>	none			<input type="checkbox"/>			

- Verify that the “On” box is enabled with an “X” for the first four Tracks. Verify that Ports **P1**, **P2**, and **P3** are selected for the first three Tracks. These ports correspond to P0, P1, and P2 (offset by 1) respectively as described in step # 1 above.
 - If the **Device** shown is not correct, [click] the **Device** pull-down menu and select the correct device. Panasonic VTRs are also in the SONY Class. Press **[Esc]** to close the Assignment Page.
- Click on the Settings button under the Video Switcher heading. The Switcher settings dialog opens (below).
 - Verify that the device file is lswitch.SWI. and that the checkbox labeled “Switcher Enabled” is checked.



- Press “ESC” to close the Fastrack Assignment page. Then press [F1]. The Time Tailor Settings Dialog will open (below).



- Enter the “**Src Pgm Length**” in HH:MM:SS:FF. This is the total running Time of the material from the Source VTR to be processed. (To define the length using the Source Out point, see 9g). Press **[ENTER]**.
- Enter the “**Insert Time**”. This is the amount of time to be removed from the program on the Source VTR. The “Eff Reduct %” will be calculated automatically. You may instead enter the “**Eff Reduct %**”. This is the percentage of time to be removed from the program on the Source VTR. The “Insert Time” will be calculated automatically. (To define Insert Time by entering Record Out, see 9h). Press **[ENTER]**.
- Enter the “**Timeline Start**”. This is a reference point only, and is usually “1:00:00:00”. Press **[ENTER]**.
- Enter the “**Record In**” time of the Record tape. The tape must have timecode pre-recorded up to this Start Time. Press **[ENTER]**.
- Enter the “**Source In**” time of the Source tape. This should be the actual start time of the program material, and the point on the source tape where you wish processing to begin. Press **[ENTER]**.

- “**Source In**” is normally selected. When unchecked, Time Tailor is used for live broadcast. That mode is outside the scope of this document.
- If it is more convenient than entering Src Pgm Length (9a), enter the **Source Out** time to define the end of the source material.
- If it is more convenient than entering the Insert Time (9b), enter the **Record Out** time to define the desired Out point on the Record tape. The Insert Time will be the difference between the Source duration and the Record duration as defined by the four In and Out points. The Record duration must be equal to or shorter than the Source duration.

The steps above are all that are required to set up a simple, single-segment Time Tailor process. Items 10, 11 and 12 discuss entering Edits and Holds. If no Edits or Holds are required, skip to step 13.

- Edits:** Enable the Edits box , then press **[F1]** or click on **[Edits]** to open the Edits dialog.

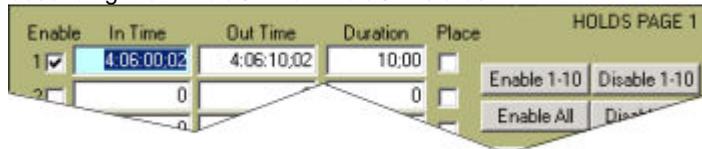
Enable	IN Time	Delete Out	Del Dur	Insert Dur	Reduct	Track	EDITS PG 1
<input checked="" type="checkbox"/>	4:07:00:02	4:07:00:02	0	30:00	0	4	4
<input checked="" type="checkbox"/>	4:07:00:02	4:08:00:02	1:00:00	0	0	4	4
<input checked="" type="checkbox"/>	4:08:15:02	4:09:15:02	1:00:00	20:00	0	4	4
<input checked="" type="checkbox"/>	4:09:15:00	4:09:15:00	0	0	0	4	4

- IN Time:** Enter the timecode number of the point at which an edit is to occur. Press **[Enter]**.
- Delete Out:** Enter the timecode number that ends the material to be deleted, then press [Enter]. If no material is to be deleted, or if you would rather enter the duration of material to be deleted, press **[Enter]**.
- Del Dur:** Enter the duration of material to be deleted. If no material is to be deleted at this point, press **[Enter]**.
- Insert Dur:** Enter the duration of material to be inserted from another source. If no material is to be inserted, press **[Enter]**.
- Reduct:** Enter the “fixed reduction” time to apply to the segment preceding this Edit. When this is used, it defines the amount of time to be removed from the preceding segment, and the Insert Time from the main dialog is not distributed to that segment. Normally, the Insert Time is distributed proportionally among all segments. Press **[Enter]**.
- Track:** This is the track number associated with the source track to be used when the Insert Dur is non-zero. (Track 4 is the default track for the Black source). Press **[Enter]**.
- Repeat steps** 10a through 10f for each edit to be done. Press **[F6]** to go to a second page of edits, then to a third page. Press **[F6]** once more to proceed to the Beg-End Edits page.
- Enable:** The Enable check box must be selected for each Edit that is to be used in the current job.
- Next Page:** Click on “Next Page” to do another 10 Edits. When completed, click on “Next Page” until reaching the **Beg-End** page.

11. **BEG-END Edits** are programmed through a dialog that is different from the first three Edit dialogs. These are edits for inserting material before and after the main job. Normally these are short segments of bars & tone, black and slate, and are not processed by the Time Tailor, nor counted in the show length.



- Name:** Enter a label for the source of this segment. Press [Enter].
 - Src In:** Enter the In Time, if this source is a VTR.
 - Duration:** Enter the length of this inserted segment.
 - Beg or End:** Select the button that applies. Beg Events will be recorded immediately before the Record In time on the main Time Tailor dialog in the order they are entered in this dialog. End Events will be recorded immediately after the complete Time Tailor processed recording in the order they are entered in this dialog.
 - Enable:** The Enable check box must be selected for each Edit that is to be used in the current job.
12. **Holds:** Press “**Hold Times**” to open the **Hold Dialog**, where you can enter the IN or OUT-times or the DURATION for up to 30 segments on the Play VTR that you do not wish to be processed by the Time Tailor (credits, blacks, music, commercials, etc.). Holds appear as yellow triangles on the Timeline, with a yellow text box next to them describing their "HoldOn" or "HoldOff" status.



Select the “**Enable**” box to use the hold, and select the “**Place**” box to add this hold to the Timeline. Press [F1] or Click “**DONE**” when completed to return to the Time Tailor Settings Main Dialog. Make sure the global Holds checkbox is checked on the Main dialog.

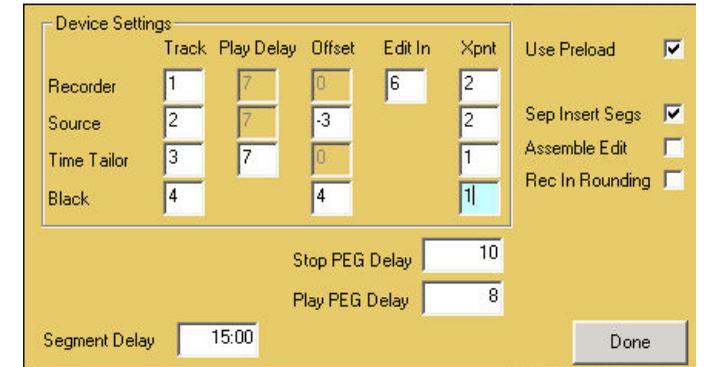
- When all entries are completed, click “**Place Events on TL**”. This will load the Record, the Source, and the Time Tailor Events onto the Tracks, and place the “Hold Times” on the Fastrack Timeline.
- To start the job press [F3] or click “**Start NOW**”. Once started, to stop the job press “**ALL STOP**”. To restart the job after an All Stop, click “Start NOW” again. To restart at the beginning of a particular segment, align the segment IN with the CTI and press [F6].
- Once you have all your information entered in the Time Tailor Settings, Holds and Edits Dialogs, you may wish to save these settings for future use. For permanent storage of settings, see item 14, below. For quick and temporary storage of settings, press [Set] to save the current settings to the respective Presets 1-4. Press [Preset 1-4] to recall.

16. A **Job Report:** Click on “**Job Report**” to open the Job Report Dialog.



- Enter the Facility, Recorded By, Notes, Source Reel and Record Reel information, then click on “Generate”. You will be prompted to enter a file name. This process creates two files. The first is a “.TXT” file which can be viewed and printed with Windows Notepad. The second is a “.TTI” file which saves all Time Tailor job parameters so the job can be rerun at any time in the future.
- The Job Report dialog itself has several pieces of information that are helpful to review before starting the job to minimize errors. Most data items are self-explanatory, see below for descriptions:
- Source Program Length:** Original show length.
- Recorded Show Length:** New length, after removal of material by Time Tailor and insert and delete Edits.
- Insert Time:** This is the amount of time specified in the field of this name on the main Time Tailor dialog. This time is distributed among the job segments in proportion to the segment lengths. This is not related to “Insert” Edits.
- Effective Reduction:** “Insert Time” divided by Src Pgm Length.
- Processed Reduction:** Percentage after considering Holds and rounding of parameters sent to the Time Tailor.
- Total Fixed Reductions:** Total of Edit “Reduct” values. This total is time to be removed from the show in addition to the overall time entered in the “Insert Time” field of the main Time Tailor dialog.
- Source In Time:** Time code number of original show start.
- Record In Time:** Time code number where recorded show starts.
- Net Length Chg:** Src Pgm Length plus Total of Insert Edits minus Reductions from Time Tailor minus delete durations.

- Sometimes it may be necessary to make timing adjustments to the Record VTR, the Source VTR, the Time Tailor or switcher. Press “**Settings**” to open the **Device Settings Dialog** (below). Grayed-out text fields are default settings in the Fastrack.ini files, and can be changed only with the assistance of Editware service personnel.
 - Track:** These are the default Tracks assigned to the Recorder, Source, and Time Tailor respectively. Change these only if you have also changed the default Tracks.
 - Play Delay:** Advances the start time of the Time Tailor (frames).



- Offset:** This setting offsets the Source VTR timecode, to compensate for delays in the digital signal path, it also adjusts for variations in switcher command response latency.
- Edit In:** This setting adjusts the frame at which the Record VTR goes into edit.
- Segment Delay:** The distance on the Timeline between segments to allow VTR's to recue and synchronize.
- Assemble Edit:** If the Record Tape is striped, de-select . This will place the Record VTR in “Insert” mode. If the Record Tape is not “striped”, select .

18. For **PAL** operation, assure that PAL ‘sync’ or ‘color black’ connected to the sync input on the rear of the Fastrack chassis. No termination is necessary.
- Press [SHIFT] [#]. The Fastrack Initialization Page will open. From the pull-down menu select “25” frames as the system standard. Press [ENTER] to accept the new standard setting. Press [Esc] to exit the Assignment Page.

	Section	Name	Value
001	Settings	FramesPerSecond	25
002	Settings	AutoSaveInterval	24
003	Settings	TimelineStartDefault	25
004	Settings	MaxTotalEditDur	30

- Press [Alt][F4] to close the Fastrack application. All your entered settings will be saved to the Fastrack default Configuration file. When the Application is re-started, the currently set system standard will be applied.

For technical or operational assistance for the Editware Fastrack TT call (530) 477-4300. Email service@editware.com.
 For technical or operational assistance for the Prime Image Time Tailor call (408) 926-5177. Email skyte@primeimageinc.com.