



Subject

Playtime Clock
Change

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Revision History

Playtime Clock Change

Version	Date	Comments	Author
1.0	2013-03-07	Initial documentation	Kevin Lockwood
1.1	2013-10-15	Added System Settings in Configuration Tool	Matt Brown
1.2	2013-10-23	Added User Time adjustment	Craig Gardner
1.3	2014-03-03	Added Section on Workstation PC DST Settings	Matt Brown

1 Confirm current configuration

Playtime shows the current offset below the channel clock in the top left, in this case -300 minutes (UTC-5):

The screenshot displays the 'mediator content management' interface for 'Channel 1'. At the top, the current time is 05:44:05, with a '-300 mins' offset indicated below it. The 'Next event' is scheduled for 00:00:21. The interface includes a sidebar with navigation options like 'ETV Broadcast', 'Edit', 'Ingest', 'Material Export', 'Material Reports', 'Media Management', and 'Playtime'. The main area shows a timeline of events:

Time	Event Name	TX Source	Duration	Programme
05:43:25:04 07/03/2013 Variable	Sintel Clip with Audio Loss of 10 Seconds	Player A	00:01:00:23	EVDM0004 Programme
05:44:26:02 Variable	ORT DVE	Player A	00:01:37:03	EVDM0005 Programme
05:46:03:05 Variable	Sintel Clip with Black on Air for 12 Seconds	Player A	00:01:00:23	EVDM0003 Programme
05:47:04:03 Variable	Evertz News	Player A	00:00:15:00	EVDM00311 Programme
05:47:19:03 Variable	Sintel Clip with Audio Loss of 10 Seconds	Player A	00:01:00:23	EVDM0004 Programme
05:48:20:01 Variable	ORT DVE	Player A	00:01:37:03	EVDM0005 Programme

2 Adjust channel offset & system timing through Info Centre

In Info Centre / x-core / App Server / Timing Manager, you can adjust channel offsets. You can update multiple channels at a time, provided they're changed to the same new offset.

Select the channels you wish to update (in this case channels 1 and 51), and enter the new offset in minutes. In this case we are changing the offset to -240 minutes (UTC-4).

- The offset is the local time zone offset from UTC in minutes.

For negative offsets, ensure the 'minus' symbol is typed. With some keyboard layouts this can only be typed on the number pad, not on the main keyboard.

Mediator Information Centre

The screenshot displays the Mediator Information Centre interface. On the left, there is a navigation pane with sections for System Status, Service info, and Hosts and Services. The Hosts and Services section is expanded to show a tree view of various services, including u-browse-1, u-mc-1, u-mc-2, u-ort-01, u-ort-02, u-ort-03, u-pcp-1, u-pcp-2, u-ui-1, x-automation-1, and x-core. The x-core service is expanded to show sub-services like Alarm Manager and App Server.

The main content area shows the 'App Server' section with the following details:

- User logged in: pharos
- Version: 7025
- Host: x-core
- Description: Application Server Mediator web application

Below this, there are four status icons. The 'Timing Manager' section is active, showing:

- System timing (Hours)**: Note: Users will need to logout of mediator before a change here is realised! Current offset hours: 0. New offset hours: Change
- Channel timing (Minutes)**: New offset minutes: -240 Change
- A table for channel offsets:

Channel (id)	Offset (Mins)	
Channel 0 (0)	0	<input type="checkbox"/>
Channel 1 (1)	-300	<input checked="" type="checkbox"/>
Channel 51 (51)	-300	<input checked="" type="checkbox"/>
Channel 10 (10)	0	<input type="checkbox"/>
Channel 60 (60)	0	<input type="checkbox"/>
Channel 11 (11)	0	<input type="checkbox"/>

Click the 'Change' button to update the offset. Info Centre should show the change:

Mediator Information Centre

The screenshot shows the Mediator Information Centre interface. At the top left, the 'System Status' section shows 'X Status' as Active (green 'A') and 'Y Status' as Error (red 'E'). The date is 07/03/2013 10:53. The 'App Server' section shows 'Version: 7025' and 'Host: x-core'. Below this is the 'Timing Manager' section, which includes 'System timing (Hours)' and 'Channel timing (Minutes)'. The 'System timing (Hours)' section has a 'Current offset hours: 0' and a 'New offset hours' input field with a 'Change' button. The 'Channel timing (Minutes)' section has a 'New offset minutes' input field with a 'Change' button and a table of channel offsets.

Channel (id)	Offset (Mins)
Channel 0 (0)	0
Channel 1 (1)	-240
Channel 51 (51)	-240
Channel 10 (10)	0
Channel 60 (60)	0
Channel 11 (11)	0
Channel 61 (61)	0

Set the **System timing (hours)** by entering the timezone offset in *hours* and clicking the 'Change' button. For negative offsets, ensure the 'minus' symbol is typed. With some keyboard layouts this can only be typed on the number pad, not on the main keyboard.

Mediator Information Centre

This screenshot shows the same interface as the first one, but with updated values. The 'System Status' shows 'X Status' as Active (green 'A') and 'Y Status' as Standby (yellow 'S') on 15/10/2013 17:20. The 'App Server' section shows 'Version: 7095'. In the 'Timing Manager' section, the 'System timing (Hours)' section now shows 'Current offset hours: -4' and the 'New offset hours' input field contains '-4'. The 'Channel timing (Minutes)' section remains the same.

- If this value is not set on your system then make no changes.

3 Adjust System Settings, Local Time Zone ID

The Local Time Zone ID is set in the Mediator Configuration Editor. This parameter is used for some internal reporting (the NAFTA report) and external notifications such as email.

Open the Mediator Configuration Editor and select the *System Settings* TAB. Login using your normal Mediator user credentials.

Select the appropriate system (generally ID=1). In the *Edit System Settings* below, check the *Local Time Zone ID*.

- If this is set to UTC then leave it unchanged.
- If this has a time zone offset applied (e.g. GMT-4:00) then apply the correct offset for your appropriate time zone change (e.g. GMT-5:00)

* With some keyboard layouts the '-' symbol can only be typed on the number pad, not on the main keyboard.

Click the *Save button* (lower right of screen).

The screenshot shows the Mediator Configuration Editor interface. At the top, there's a navigation bar with tabs: Home, Hosts, Jobs, Workflow, Playtime, Tasks, Media, Locations, System settings (selected), Apparatus, Service, Track types, Output Provider, Material, Metadata, and Publish. Below the navigation bar is a table with columns 'ID' and 'Name'. The table contains one entry: '1 System Site Name'. Below the table is a 'Delete' button and a '+ New' button. The main area is titled 'Edit system settings' and contains a form with the following fields:

- Name: System Site Name
- Description: (empty)
- System settings:
 - System title: Spoke #1
 - System type: ENTERPRISE SC
 - Slamcode url: http://x-ui-1:8080/keyframes/
 - Branding path: http://x-ui-1:8080/branding/contexts
 - Use context branding: false true
 - System frame rate: DFB0 NDF25 P29_916
 - Local time zone id: GMT-04:00
 - Local date time format: dd/MM/yyyy HH:mm:ss
 - Locale name: en_GB

At the bottom right of the form is a 'Save' button.

Click the *Publish button*.

In the *Configuration subtype* select *System Settings* and then click the *Publish* button. Ensure there are no errors returned after the publish has completed.

The screenshot shows the Publish dialog box. At the top, there's a 'Publish' label. Below it is a warning message: 'Warning Publishing may cause system instability. You should avoid publishing often on a live system'. Below the warning is a 'Configuration subtype' dropdown menu set to 'System Settings' and a 'Publish' button. At the bottom of the dialog is a table with columns: Host, Host Service, Acknowledg..., Completed, Last response, and St. The table contains one entry: 'Awaiting pr'.

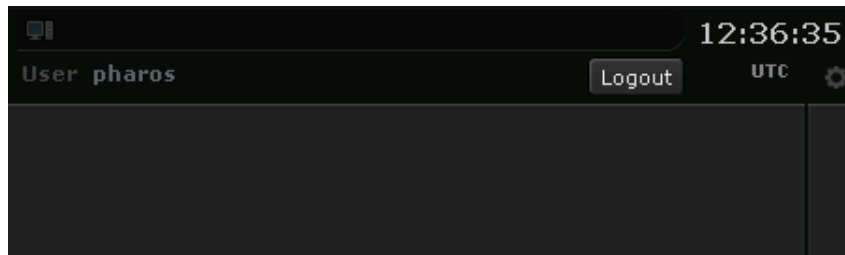
4 Adjust Individual User Time Settings

Mediator Released Version 7088+

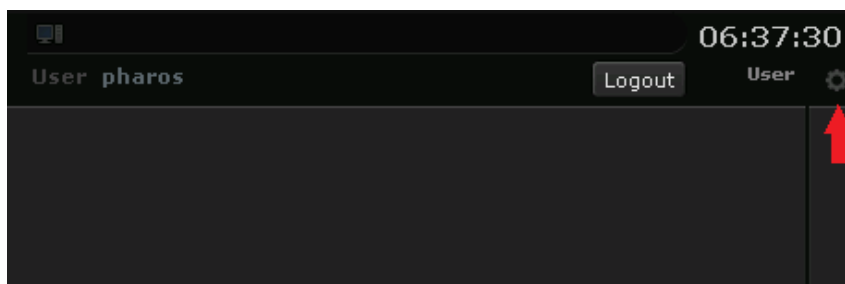
Each Mediator user has the ability to update their front end user time settings. This is shown as the clock in the top right hand corner of the Mediator interface.

Clicking on the clock will switch it between UTC and User Time:

UTC

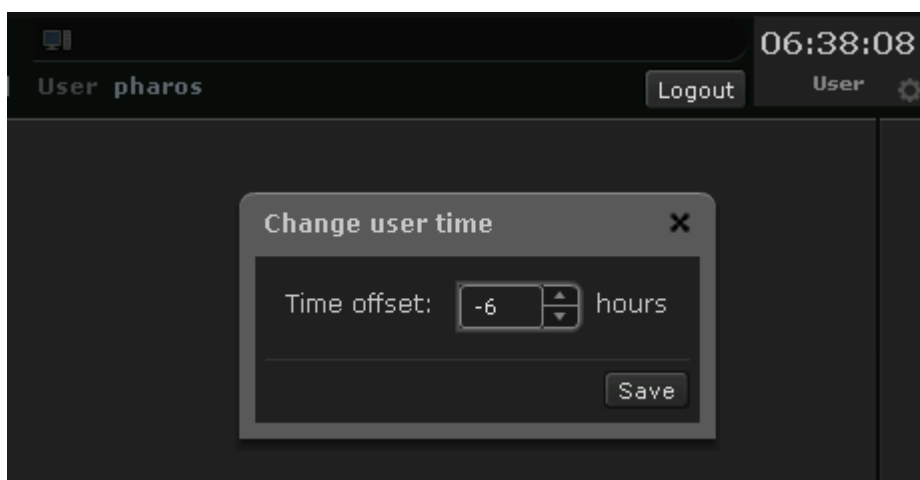


User



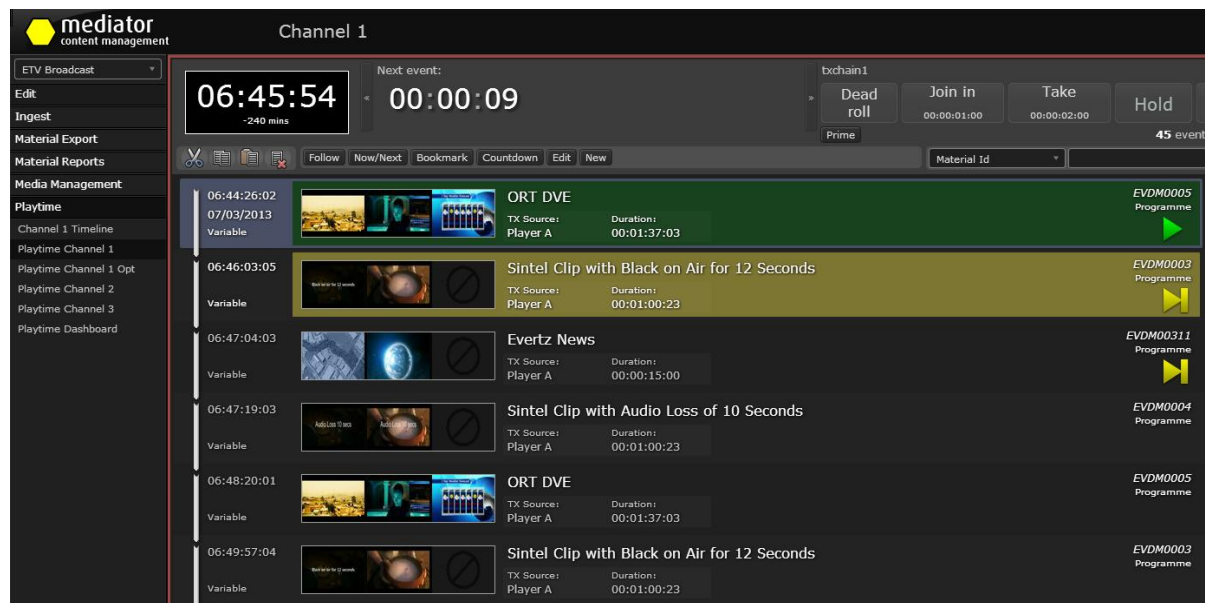
The User time can be adjusted by clicking on the configuration icon (identified by the red arrow above).

This will bring up the time adjustment dialogue. Use the scroll arrows to choose a local time offset from UTC, increments are in 30 minute intervals (indicated by a .5 hour). Once the new offset is satisfactory then clicking the Save button will update the User time.



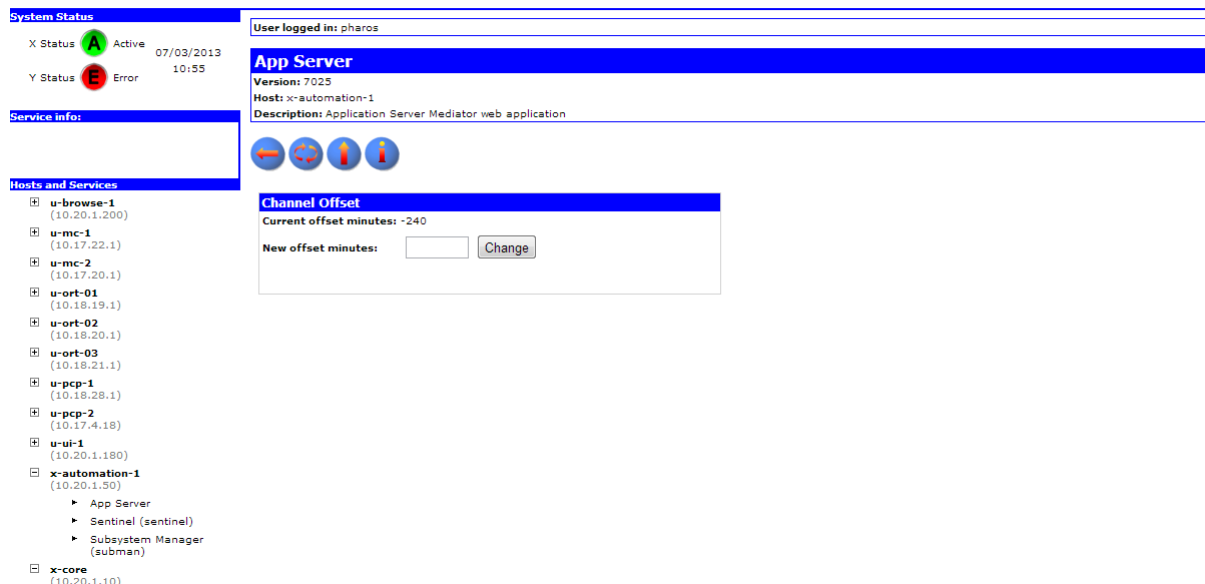
5 Confirm updated configuration

Playtime should show the updated offset:



On older versions of Mediator (above screenshots are from version 4-7), this may not update automatically. In Info Centre / x-automation-1 (or x-core for SC systems) / App Server / Playtime Manager / Channel X (as appropriate) / Change channel offset, confirm the new offset, and update it here as well if necessary:

Mediator Information Centre



If Playtime still doesn't show the updated offset, you will need to log out of Mediator and log back in so that the configuration is updated.

6 A note on client workstation PC's

Client workstation PC's that access Mediator, in particular workstations used for On-Air control of Playtime channels, must be configured with the Windows 'Automatically adjust clock for Daylight Savings Time' **disabled**.

Playtime channels running with a local time clock, accessed through a web browser, use the Windows time on the local PC to show event times relative to the local time zone. With the 'Automatically adjust clock for Daylight Savings Time' feature enabled the play list will show incorrect time offsets around DST time. The playlist will show a missing hour or additional hour of programming on the local workstation, there will be no timing error in Mediator however as back-end services run in UTC time.

The following diagram shows this setting in Windows 8. Ensure that this is disabled (un-ticked). Workstation PC clocks should be adjusted manually at 2am when the daylight savings changes apply.

