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Welcome

Introduction

Welcome and thank you for using version v2.6 of the Pharos Director software.

Note: Only Designer projects saved in a matching version of Director can be imported. You must save all your Designer projects in 2.6.2 then import them into Director 2.6.2. The linked controllers must also be running the same firmware version (2.6.2)

Help Overview

The Help is split into three main sections: Quick Start, Reference, and Appendices.

Those of you experimenting with the software for the first time are advised to work through the Quick Start guide to familiarise yourself with the basics of the software. The Reference section gives detailed descriptions of every aspect of the software as well as the configuration of the Pharos Controllers and their accessories. The Troubleshooting section provides help to resolve any problems while the Appendices provide additional useful resources.

Help Help

This is the PDF version of the on-line Help and it is available in various formats for printing. The on-line version, which has the advantage of being fully searchable and includes animated tutorials, can be opened from within Designer using Help > Contents on the main toolbar.

Support

As with all successful control products, support is crucial and the team at Pharos will do everything possible to ensure that your project is a success.

Please do not hesitate to contact us with your questions, bug reports and suggestions at:

T: +44-(0)20-7471-9449

E: support@pharoscontrols.com

Please also visit our website to keep up to date with the latest product news and software releases: www.pharoscontrols.com.

Introduction

Pharos is a comprehensive system with sophisticated features that allow you to make advanced shows.

Director is the powerful new solution for coordinating and choreographing city-wide or campus installations made up of multiple Pharos systems/controllers. Designer projects are imported into Director where all the LPC/TPC/LPC X pixel matrices and VLC/VLC + Content Targets are available for placing on a huge canvas. This creates a panorama of all the installations, onto which video can then be simply applied to the whole 'location'. An intuitive built-in calendar allows for easy scheduling of events.

Modes Overview

Mode tabs down the left hand side allow you to switch between the Modes by left clicking the tab or use the function keys (in brackets) to toggle between them. Tabs can be viewed in different windows using the <u>Tear Off</u> option:

Controllers (F1)

In Controllers, you link the Pharos Designer Project files (pd2) into the Pharos Director Location file.

See Controllers for reference.

Panorama (F2)

In Panorama, you are able to bring the Pixel Matrices and Content Targets from your Projects into the Panorama and lay them out as in real life.

See Panorama for reference

Schedule (F3)

In Schedule, you create Playlists and link them to calendar schedules to override the normal operation of the Project See Schedule for reference.

Override (F4)

In Override, you can trigger Playlists live at any time.

See Override for reference.

User Interface

The software has been designed to present a consistent graphical user interface and so it is worth familiarising yourself with the layout of a typical window before proceeding further:

Mode Tabs

The application is divided into four Modes which can be selected by clicking on the appropriate tab.

See the Quick Start <u>overview</u> for a brief description of each Mode and the relevant Reference section for more details.



All tabs can be torn off so that multiple Modes can be seen at once.

To tear of a tab either:

- Hover over the view tab until the tear off icon appears, move your cursor over this icon and left-click. The selected Mode will appear in a separate window.
- Click on a Mode tab and drag off the right side of the Mode tab bar. The selected Mode will appear in a second window.

Note: The currently open Mode cannot be torn off

Mode Toolbar

The view toolbar is populated with tools and options relevant to the Mode which is being worked in. See the relevant Reference section for more details.

Main Workspace

The Main workspace is the central portion of the Director window and is where most project work is carried out. Each view uses the main workspace in a different way, so see the relevant Reference section for more detail.

Keyboard Shortcuts

For ease and speed of use various keyboard keys map to application commands, particularly with regards window navigation:

General

Ctrl + N	Create a new Project
Ctrl + O	Open an existing project
Ctrl + S	Save the project
Ctrl + Shift + S	Save the project with a new name or location
Ctrl + W	Close the Project
Ctrl + Z	Undo the last action (up to 20 actions)
Ctrl + Y	Redo the last undone action
Escape	Close an open popover
Alt + F4 (♯ + Q)	Close Designer
Function Keys - F1 through F4	Change mode, F1 goes to Projects, F4 goes to Overrides etc.
(♯ + ,)	Access Preferences

Controllers

Ctr	I+G	Open the Manage option

Panorama

Ctrl + I	Opens the properties for the current Panorama
Ctrl + G	Opens the Manage option
Ctrl + Tab (⁻─ + Tab)	Switch to the next tab
Ctrl + Shift + Tab (Switch to the previous tab
Delete/Backspace with Project item selected	Remove the project item from the Panorama
Shift + Left Click on overlapping Project Items	Choose which Project Item to select
Arrow Keys	Pan the Panorama

Schedule

Ctrl + +	Zoom In
Ctrl + -	Zoom Out
Ctrl + Scroll	Zoom
Ctrl + Left-Click and Drag on Playlist	Duplicate scheduled playlist

Override

Ctrl+Click in edit mode	Select multiple buttons	
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Notes For Mac OS X Users

Unless otherwise noted, keyboard shortcuts on Mac OS X are the same as Windows, except Ctrl is replaced with $Cmd(\mathbb{H})$. Shift and Alt work as described for Windows.

Within Panorama, you can use Scroll gestures to move around.

Pharos Director makes a good deal of use of the two button mouse with right-click being used to invoke context-sensitive dialogs. As the majority of Mac users have only a single button mouse they must hold Ctrl while clicking to get this functionality.

System Requirements

Pharos Hardware Requirements

This version of Pharos Director can be used with the following controllers:

- Pharos LPC 1/2/4: Serial numbers greater than 006xxx
- Pharos LPC X: All Serial numbers
- Pharos VLC : All Serial numbers
- PharosVLC + : All Serial numbers
- Pharos TPC (with or without EXT): All Serial numbers

Note: LPCs with a Serial number lower than 006000 and AVCs are only supported in Designer 1.x.x.

This version of Director is compatible with Pharos Designer v2.6.

Computer System Requirements

Supported Operating Systems

- Microsoft Windows 7/8/10 (32/64bit)
- Apple Mac OS X 10.7.x (Mountain Lion) 10.12.x (Sierra)

Minimum Requirements

- Intel Core i3 processor or above
- 2GB RAM
- 1GB free hard disk space
- 1024×768 screen resolution
- Network connection (for connecting to Pharos hardware)

Recommended

- Intel Core i5 processor or above
- 8GB RAM
- 1920×1080 screen resolution

Networking Requirements

Director requires the ability to connect to the controllers within the Designer Projects that have been imported into the Location in order to update Location data and provide override control.

In order to do this the network that the controllers are running on must be configured such that the computer running Director can access it.

Connecting Director to a Location Locally

If the computer running Director is connected to the same LAN as the installation, then the local IP Address for the controller can be used to communicate with it. The Computer will need to be configured to be within the same IP Address subnet.

Connecting Director to a Remote Location

If the computer running Director is not connected to the same LAN, there are a number of options:

- Create a VPN connection to the installation
- Set up Port forwarding on the local network

Both of these option require connection of the installation to the Internet with either a Static Public IP Address or a Dynamic DNS system.

Using a VPN Connection

A Virtual Private Network can be established between a server within the installation and the computer running Designer, which will allow it to tunnel into the installation and connect to the local devices as if it was connected locally.

Port Forwarding

If Port Forwarding is used, then the Router connecting the installation to the Internet should be configured to forward communications with a specified port to the HTTP Port on the controller (Default 80). The controller can then be connected to by inputting the public IP Address or Hostname of the installation following by the forwarding port e.g.

External IP Address (Controller)

8.8.8.8:8000 -- forwards to --> 192.168.1.3:80

It is also necessary to allow access to a port on the computer running Director through any firewalls or port forwarding, so that controllers can request Sync Data. This port defaults to 20080, but can be changed in Director's Preferences

Time Management

It is important to ensure that all controllers have the same time set locally so that scheduled events run at the same time

This can be best achieved by linking all controllers up to the same NTP Server within the project file.

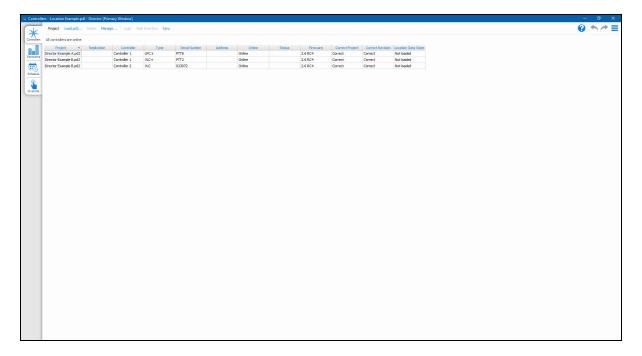
More Information

For further information, please contact your Network Administrator.

Controllers Overview

Keyboard Shortcuts

Ctrl + G Open the Manage option



Controllers Mode allows you to import the Pharos Designer project files relating to your multi-project file location.

This will populate Director with the controllers and Pixel Matrices/Content Targets from the project files.

Project File Management

To Import a Designer Project

Select Load pd2 on the Mode Toolbar

Use the file browser to locate the required Designer 2 Project file.

To Update a Designer Project

If you have made changes to a Designer project, it can be updated by reloading the Project file.

Note: Reloading a project file cannot be undone and the Undo queue will be cleared.

To Remove a Designer Project

Select the Project in the project table. (The row will turn blue)

Choose Delete from the Mode toolbar

Project Data Table

The Main Project Data table provides information about the current status of the controllers within the imported project files

Project This will show the name of the Designer project that the controller is a part of

Replication Where replications are used in a Designer project, this will show the replication that the con-

troller is a part of

Controller The name of the controller with the Designer project

Type The Type of the controller (LPC, TPC, LPC X, VLC, VLC +)

Serial Number The Serial Number of the controller

Address

The IP Address/Hostname of the controller (where the location is remote, this should be the

route to the public address/port used to access the controller)

Online The current status of the controller, this will indicate Wrong Firmware or Wrong Network if

the controller is discoverable but the firmware or network settings do not match Director

Status Indicates whether the controller is currently locked
Firmware The current firmware version reported by the controller

Correct Project Shows whether the controller is currently running the imported project

Correct Revi-

Shows whether the controller is running the correct revision of the project

Location Data Displays the state of Data Sync to the controller, either syncing or the date and time of last

State successful sync, see Syncing Data

Toolbar Options

Login

If a controller has a password set, then you will need to login in to the controller/s to upload new data.

Web Interface

This option will open the selected controller's web interface in your web browser.

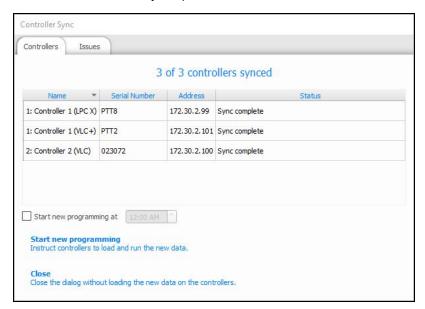
Sync

Opens the Sync dialog, see Syncing Data.

Syncing Data

For the Director functionality to work correctly, the Location data must be Synced to the controllers in the location.

To do this, choose the Sync option on the Mode Toolbar.



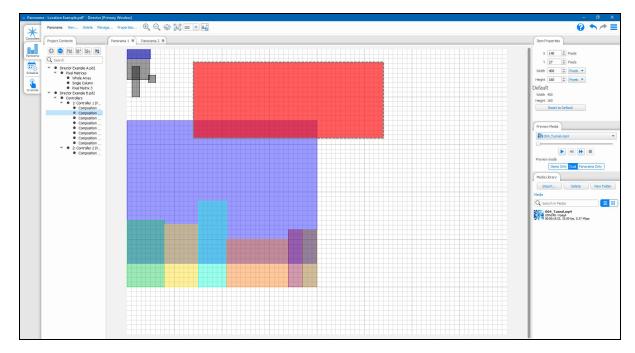
The window that opens will show the Sync status of the controller's in the location and allow them to be Synced.

Once the data has been synced it then needs to be loaded, which can have an effect on output of the controllers, so this process can be scheduled to happen at a later time, or to be loaded immediately.

Panorama Overview

Keyboard Shortcuts

Ctrl + I	Opens the properties for the current Panorama
Ctrl + G	Opens the Manage option
Ctrl + Tab (∕√ + Tab)	Switch to the next tab
Ctrl + Shift + Tab (√ + Shift + Tab)	Switch to the previous tab
Delete/Backspace with Project item selected	Remove the project item from the Panorama
Shift + Left Click on overlapping Project Items	Choose which Project Item to select
Arrow Keys	Pan the Panorama



Panorama Mode is used to add the Pixel Matrices and Content Targets from the Designer projects to the overarching panorama.

Any media added to Playlists within Pharos Director will be scaled to the size of the Panorama, and each individual controller will receive the content relevant to it, i.e. the sections of the media that are covered by the Pixel Matrices and Content Targets that are in use by the controller.

It is possible to have multiple panoramas within a Director project, for example if you have installations along both sides of a river.

Panorama Management

Each Panorama within a Location acts as a single canvas onto which the Pixel Matrices and Content Targets from each Designer Project can be placed.

By default, each Location starts with a single Panorama at a size 1920x1080 pixels, but up to 50 Panoramas can be added to the Location.

To Add a New Panorama

Choose the New... option from the Mode Toolbar.

Set the required size

Choose Add

To Delete a Panorama

Select the Panorama tab in the central area

Choose Delete from the Mode Toolbar

Alternatively, go to the Manage... window, select the Panorama and choose Delete

To Duplicate a Panorama

Panoramas can be duplicated to create a copy with the same settings for the Project Items on it.

This can be done using:

- the keyboard shortcut (Ctrl+D or Cmd+D)
- the Duplicate option in the Panorama Manage window

Panorama Properties

Name

Provide a name for the layout to aid identification

Size

Width and height options can be used to change the size of the layout.

The Crop Size to Contents can be used to match the Panorama size to the Contents of the Panorama.

Background Image and Mode

Select an image to be used in the background, such as a photo of the location.

Background mode can be used to define how the image is displayed on the Panorama.

Background Colour

Select the colour to display in the background of the Panorama.

Grid Settings

Grid colour sets the colour of the grid pattern

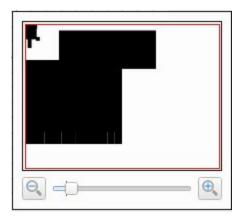
Grid Spacing defines the number of units to space the gridlines apart.

Grid subdivisions defines the spacing of the minor gridlines

Show grid makes the grid visible or invisible

Snap to grid defines whether fixtures should automatically snap to the grid's intersections.

▲Show Minimap



A minimap can be used to help navigate large complex Panoramas.

The minimap allows you to zoom in/out and move around the layout while showing a smaller version of the layout:

Panorama Items

When a Project is added to the Location, it will be shown in the Project Contents Browser on the left hand side.

Within each project will be the Pixel Matrices and Content Targets associated with the Project/s.

Managing Items

To Add a Project Item to the Panorama

Any Project Item can be added to the Panorama by dragging the item from the Project Content Browser onto the Panorama and dropped in the required position.

Alternatively, selecting the item in the Browser allows it to be added with the Add button . This will place the Item on the Panorama at (0,0).

To Remove a Project Item from the Panorama

Select the item on the Panorama or within the Project Contents Browser and either:

- Use the Remove button within the Browser
- Right-click on the item and choose Remove form Panorama
- Press Delete or Backspace

To Reposition an Item

The position of an item is important as this determines which part of the source media it will receive when the location is synced.

To adjust the item's position:

- Select it and drag it to a new position.
- Select it and change the position numerically in the Item properties

To Adjust the Size of Items

When Pixel Matrices and Content Targets are added to a Panorama, they will default to their size within the Designer 2 project file, but it may be necessary to adjust the size of the item within the panorama e.g. if the pixel pitch is different between two projects.

This can be done by selecting the item and then dragging the sides and/or corners to adjust the size visually, or changing the pixel or percentage size in the item properties on the right hand side.

To Reset and Item to Default

Within the Item Properties, an item can be reset to the default size with the Reset to Default button.

The default size is also displayed here for reference.

Selecting Overlapping Items

If there are multiple Items on the Panorama that overlap, they can be selected by holding Shift to choose the Item to select.

Managing Item Layering

Where Items overlap they can be selected to Bring to Front or Send to Back. This is done by Right-Clicking on the item and choosing the option in the context menu.

Item Properties



Each Project Item has the following properties attached to it:

X

The current X (horizontal) position of the item. This can be changed in the Item properties, or by dragging and dropping the item within the Panorama



The current Y (vertical) position of the item. This can be changed in the Item properties, or by dragging and dropping the item within the Panorama

Width

The current width of the Item. By default this will be the size from the project file, but this can be adjusted e.g. where different fixture spacing is used on different buildings.

This can be set as an absolute pixel size, or a relative % size.

Height

The current height of the Item. By default this will be the size from the project file, but this can be adjusted e.g. where different fixture spacing is used on different buildings.

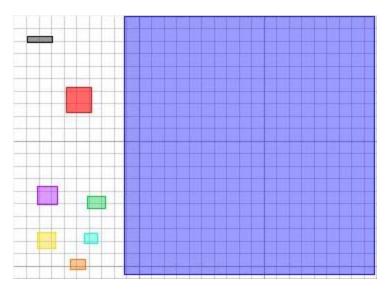
This can be set as an absolute pixel size, or a relative % size.

Default

The Default Width and Height show the settings that have come from the Project file.

Where the Item has a different size, it can be set back to the Default values using the Reset to Defaults option.

Item Colours



When placed on the Panorama, Project Items will be shown in the following colours:

Pixel Matrices	Grey
Primary Content Targets	Blue
Secondary Content Targets	Purple
Overlay 1 Content Targets	Green
Overlay 2 Content Targets	Yellow
Overlay 3 Content Targets	Cyan
Overlay 4 Content Targets	Orange

In all cases, the Item will turn Red when selected.

Preview Media

Any media imported into the Location file can be previewed on the Panorama

Preview Modes

There are three preview modes available:

- · Items Only
- Dual
- · Panorama Only

Items Only

This mode will show the media within the bounds of the Pixel Matrices and Content Targets on the Panorama so you can see which parts of the media will be displayed on each item.

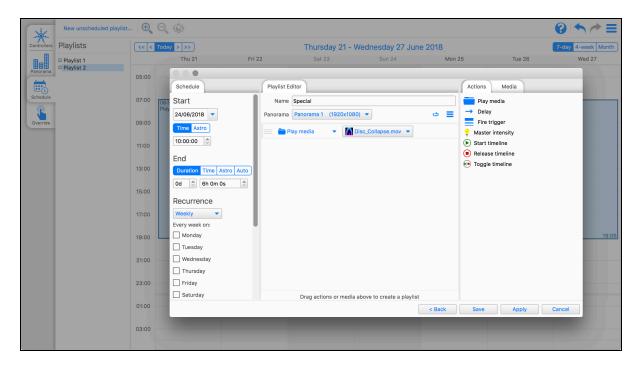
Dual

This mode will show the entirety of the media on the Panorama with the items highlighted so that the output on the items can be seen in context.

Panorama Only

This mode will display the entirety of the media on the Panorama without showing the items

Schedule Overview



Schedule

The Schedule allows you to add events to a calendar, and link a playlist to the scheduled event. Each scheduled event can be repeatable.

Changing the Calendar View

To change the calendar View

There are three view options for the calendar:

- 7-day
- 4-week
- Month

These can be switched at the top right of the calendar view

7-day

This will display the next 7 days from a specified date (not necessarily a calendar week)

4-week

This will display the next 4 weeks from a specified date (not necessarily a calendar month)

Month

This will display the calendar month containing a specified date

To change the date range

At the top left of the calendar view, there are options to change the date range displayed:

- Previous Range
- Previous Day
- Today Today
- Next Day
- Next Range

Previous/Next Range

The displayed dates will be shifted by 7 days, 4 weeks or a Month (depending on the view).

Previous/Next Day

The displayed dates will be shifted by 1 day (not available in Month view).

Today

Sets the first day in the view to the current date (or sets the Month to the Current Month)

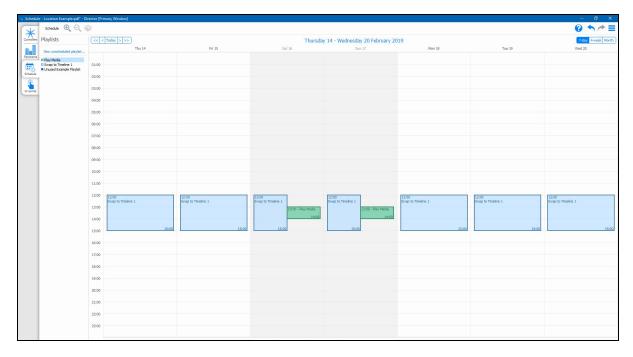
Playlists

A playlist is a container for a series of effects which will be played back. These effects can include:

- · Media clips
- Pre-programmed timelines
- Firing pre-programmed triggers within the Designer project

Playlists can also have start and end events which are run at the start and end of the scheduled event e.g. to prepare the installation to playback the media by turning the fixtures on.

Schedule



A Schedule defines when a Playlist should be played back within each project

Start

The Start settings define when this Schedule event should start.

Date

The Date of the start of the Schedule event

Time

The time that the Schedule event should start. This can be set as a Real Time or an Astronomical time with an offset

End

The ending of the Schedule event can be defined by any of the following:

- Duration
- Time
- Astro
- Auto

Duration

A fixed length for the Schedule event, defined in Days, Hours, Minutes, Seconds.

Time

A fixed real time and date for the event to finish.

Astronomical

A varying time event that is linked to an Astronomical event, with an offset

Auto

Automatically end the Schedule event when the Playlist reaches its end.

Recurrence

Defines if and how a Schedule event should be repeated:

- None
- Daily
- Weekly
- Monthly: Day
- · Monthly: Date
- Yearly

Until

Defines when the recurrence should be run until (this will be the limit, meaning the playlist won't play on this date). This will not necessarily be the last time the schedule runs, depending upon the exact recurrence settings.

Exceptions

Any specific dates when the recurrence shouldn't take place.

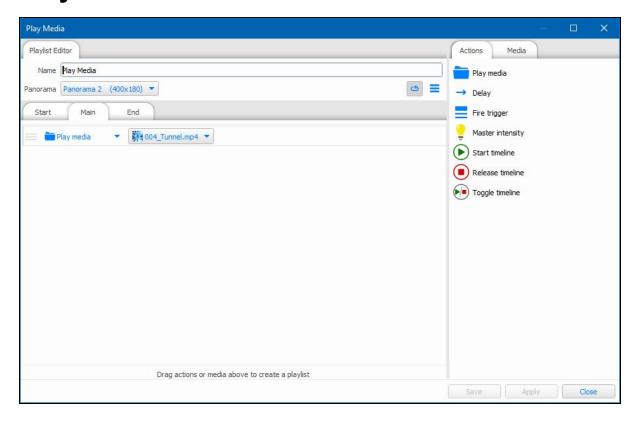
Editing Single Instances

In the calendar view, instances of a recurring schedule can be adjusted independently by right-clicking on the instance and choosing "Separate this instance" or "Delete this instance".

Separated Instances

A separated instance will allow its settings to be adjusted independently to the other instances in the recurrence e.g. timings or content

Playlists



A Playlist is a collection of Actions that should be played back by the controllers within the Director Project.

Playlists can be created alongside the creation of a Schedule Event, or created as a separate entity to place in the Schedule.

Playlist Settings

Each playlist has a number of settings that can be used to adjust how the playlist will perform:

- Name
- Panorama
- Loop
- Priority*
- Tag*
- Fade*
- Hidden from Override*
- Allow start actions*
- Allow end actions*

Name

A user identifiable name for the Playlist

^{*} Accessed from = menu

Panorama

Select the Panorama that this Playlist should be played onto



Loop

If the content of the Playlist doesn't reach the end of the schedule, Loop will cause the content to be looped. If the Schedule End is set to Auto, the content will not loop (the Schedule length is equal to the content length)

Priority

The Playlist will interact with the Timelines and Scenes within the controller project files. The Priority setting can be used to determine exactly how these should interact. Options:

- Above Normal
- Normal
- Below Normal

Tag

The Tag colour of a Playlist will determine how Schedule events with this Playlist display on the Calendar view.

This Tag is also shown within the Playlist Browser, where a darker colour indicates the Playlist is unused, and a paler colour indicates that it is in use:

Unused

Used

Fade

The crossfade time of the playlist when overriding the output in the project.

Hidden from Override

Checking this option will prevent this Playlist from being shown in Override Mode

Allow start actions

Checking this option will add the option for Start Actions to the playlist. A Start Action will be performed when the playlist is started, before the Main loop actions.

Allow end actions

Checking this option will add the option for End Actions to the playlist. An End Action will be performed when the playlist is ends, after the Main loop actions.

Playlist Actions

There are various actions that can be added as a step within a playlist.

- Play Media
- Delay
- Fire Trigger
- Set Intensity
- Start Timeline
- Stop Timeline
- Toggle Timeline

Play Media

Play back media clips that are mapped to the Panorama, thereby splitting the media clips for each controller, and synchronising across the project.

Delay

Adds a time delay to the playlist.

Use this to allow timelines to playback before performing another action, or allow time to pass before performing the next action.

Fire Trigger

Fires triggers within the Designer Projects on the Controllers, where the trigger is defined by the Trigger Number or Name.

Set Intensity

Master the Intensity of the Panorama. This will act as a multiplier on any content output to this Panorama.

Start Timeline, Stop Timeline, Toggle Timeline

Control Timelines within the Designer Projects on the Controllers

Playlist Start and End Actions

When enabled, Start and End Actions can be added to the Playlist. These are performed before the main Playlist starts and after it ends.

Start and End actions can be any of the following:

- Fire Trigger
- Set Intensity
- · Start, Stop or Toggle Timeline

When a timeline loops, within a Scheduled event, these actions will only be performed once (before the first loop and after the last loop)

Typically these actions would be used to set a base look around or under some Media, or turning on and off power to sections of a location etc.

Media

Use this section to import media into the Director project, which can be later used by the Play Media Playlist action

Playlist Browser

The left side of the Schedule Mode features the Playlist Browser, which lists all Playlists in the Location file.

From here, Playlists can be dragged onto the Calendar view to add a Schedule for it.

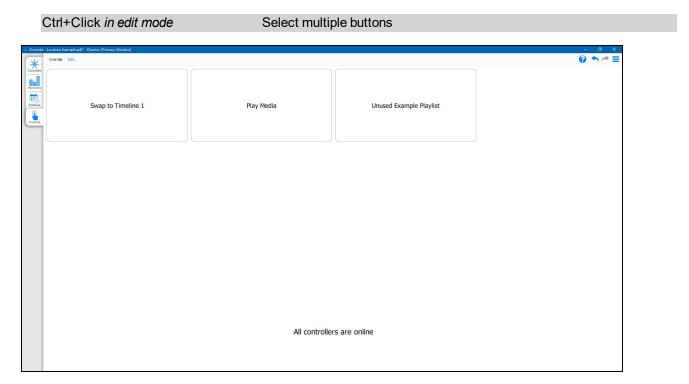
Context Menu

By right clicking on a Playlist in the Playlist Browser, you can:

- Create a new playlist
- Edit the selected playlist
- Duplicate the selected playlist
- Remove the selected playlist

Override Overview

Keyboard Shortcuts



Override Buttons

Starting a Playlist

Override provides an interface to start any of the playlists prepared within the Director Location at any time.

The Override buttons will be automatically populated according to the <u>Override Properties</u>, clicking any of these buttons will command any controllers linked to the location to start running the selected playlist.

Clicking a playlist button for a Playlist that is active will restart it.

Stopping a Playlist

To stop a Media playlist from playing back in the controller, you can click the Override button while holding Ctrl (Cmd on Mac).

Note: Only Media within playlists will be stopped, other actions are control commands which run the action within the controller's project. These must be deactivated by sending another command to the controller, e.g. another Playlist with Release Timeline Actions.

Hiding Playlists from Overrides

Playlists can be hidden from this interface using the Hidden from Override option within the Playlist Properties.

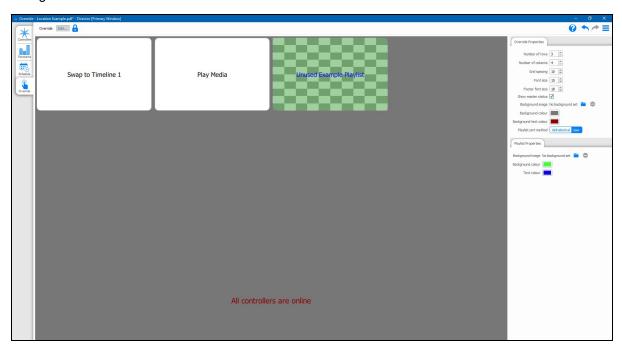
Override Footer

The Override display features a space at the bottom that is used as the footer. Within this buttons are placed to change to the Next and Previous Page (when necessary), and to display the Online Status of the controllers in the location (when enabled).

Override Customisation

The Override page can be customised to change the appearance of the page and the button layout.

Edit mode is enabled by selecting Edit... on the mode toolbar. This will show the Override and Playlist Properties on the right hand side of the Override view.



Override Properties

Number of Rows and Columns

These determine the grid size of buttons to display on each override page, and the size of the buttons.

Grid Spacing

The spacing is the gap between buttons in the Override grid.

Font Size

The size of the text on the Override buttons.

Footer Font Size

The size of the text in the footer (Controller status and Page change buttons)

Show Master Status

Choose whether to display controller status in the footer

Background Image

Sets the background image for the override page

Background Colour

Sets the background colour of the override page

Background Text Colour

The colour of the text on the background.

Playlist Sort Method

Determines the order of the playlist buttons on the override page:

Alphabetical: The playlists will be in alphabetical order by name

User: The playlists can be ordered manually by selecting the unlock button on the mode toolbar and dragging the buttons on the page.

Playlist Properties

These properties relate to the selected button within the Override view.

Background Image

An image can be used as the background of the button.

Background Colour

A single colour can be set for the background of the button.

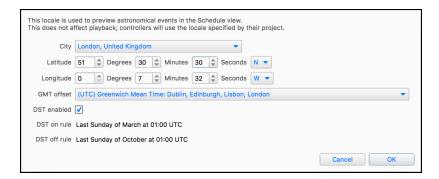
Text Colour

The colour of the text on the button can be set.

Preferences

A number of preferences are available within the Main Menu:

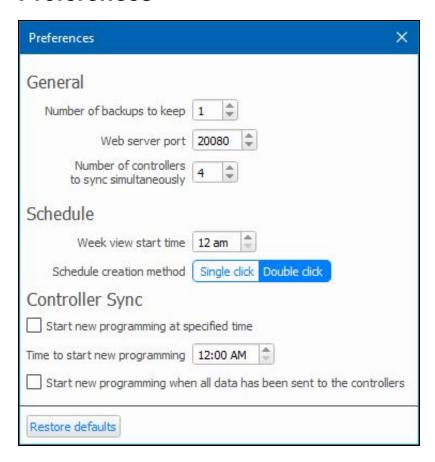
Set Calendar Locale



Schedules can be configured to link to Astronomical events, and these rely on knowing the location of the project. When the Locatio Data is Synced to the project controllers, they will use the location set within the project file to calculate the Astronomical events, but to ensure the Calendar view within Director is accurate, the locale for the calendar can be set with this editor.

The searchable city list can be used to find the location or a location nearby, alternatively the specific latitude and longitude can be set numerically.

Preferences



General

Number of backups to keep

When saving a project, previous versions can be kept as a backup (they will be given a new name). This preference specifies how many to keep

Web server port

The local port that controllers connect to when they sync media data from Director. If the computer running Director is behind a firewall (from the controller's perspective), this port will need to be allowed through for sync to function correctly.

Number of controllers to sync simultaneously

Syncing a large number of controllers simultaneously can use a lot of bandwidth, so this property can reduce the number of controllers to sync to at the same time.

Schedule

Week view start time

The Week view shows the times during the day and this preference determines when the times should wrap from one day to the next

Schedule creation method

Clicking on the calendar can create a Schedule and the selected time/date. This preference determines the method that is used to create this (single or double click)

Controller Sync

Start New programming at specified time

Time to start new programming

Start new programming when all data has been sent

Selecting this will cause the controllers to wait until a specified time to start their new programming.

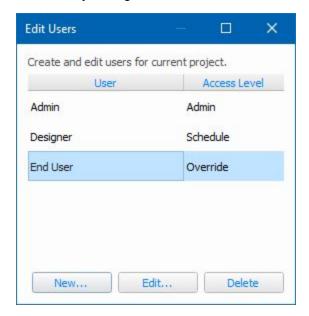
When the above option is selected, this is the time that it should be started.

Selecting this will cause the new programming to be started when all controllers have received the data.

Security

Director can have user access configured such that some users only have access to make changes to certain part of the Director Location.

The Security settings are available from the Main Menu.



Access Levels

There are three different access levels available, each of which grants write access to various parts of Director:

Admin Has access to everything within the Director Location

Schedule Can adjust Playlists and Schedules in the Schedule Tab, and Sync data to controllers in the Con-

troller tab

Overview Can fire Overrides in the Override tab

If a user does not have permission for a Tab, they will still be able to view it, but it will be in Read Only mode, and they won't be able to make edits.

Users

Users can be added via the Security Dialog.

Users can also be edited or deleted by anyone with the same or higher access level.

When adding users, you will always have to add a user with Admin level, and they cannot be deleted.

Login

When opening a location, you will be prompted to login with one of the users that have been created in the Location file.

Software Release Notes

Release Notes

These are provided within the Designer software.

Software Licences

GPL

Portions of this software are licensed under the GNU General Public License version 2. The license is available within the software.

To obtain this software either visit www.carallon.com or send a stamped self-addressed envelope containing a blank CD or USB memory stick to:

GPL Compliance, Carallon Limited, International House, 7 High Street Ealing Broadway London W5 5DB England

System Limits & Capacities

Pharos Director imposes the following project limits which can not be exceeded:

Designer projects	200	The maximum number of Designer projects that can be imported into the Director Location
Controllers	800 (40 per project)	The maximum number of controllers across all Designer projects
Panoramas	50	The maximum number of Panoramas in the Location
Project Items	5000	The maximum number of Project Items (added to Panoramas) in the Location
Maximum Panorama Dimensions	16384 x 16384 pixels	The maximum available space for a Panorama
Playlists	200	The maximum number of playlist that can be created
Scheduled events	200	The maximum number of scheduled events that you can have on your calendar (excluding recurrences)

As you can see from the above limits, the Pharos control system can scale to an impressive size that rivals even state-of-the-art lighting consoles.

For very large projects, or projects where some of the above limitations are restrictive, please contact <u>support</u> to discuss your requirements in advance.

Best Practices

Just like any other computational device, Controllers have a finite amount of resources available to them.

Glossary

C

Content Target

An output layer that media or effects can be mapped onto before being output to fixtures

Ε

Event

A calendar event set to play a Playlist with optional recurrence

I

IP Address

"Internet Protocol" address, in the form xxx.xxx.xxx, which specifies the unique address for networked equipment.

L

Location

A Director file that contains links to Designer project files, Pixel Matrices and Content Targets layouts, Playlists and Schedules

Р

Panorama

A canvas onto which Pixel Matrices and Content Targets are placed (as in real life) to map content onto

Pixel Matrix

A two-dimensional array of fixtures such that each fixture, or element within a compound fixture, is mapped to a pixel of the array.

Pixel Matrices

A two-dimensional array of fixtures such that each fixture, or element within a compound fixture, is mapped to a pixel of the array.

matrix

A two-dimensional array of fixtures such that each fixture, or element within a compound fixture, is mapped to a pixel of the array.

Playlist

A collection of Actions to perform e.g. Starting a timeline, playing some media etc. A playlit can be linked to a Schedule event

R

Replication

A "copy" of a project file with a different collection of hardware

S

Schedule

A calendar event set to play a Playlist with optional recurrence

Scheduled Evenet

A calendar event set to play a Playlist with optional recurrence