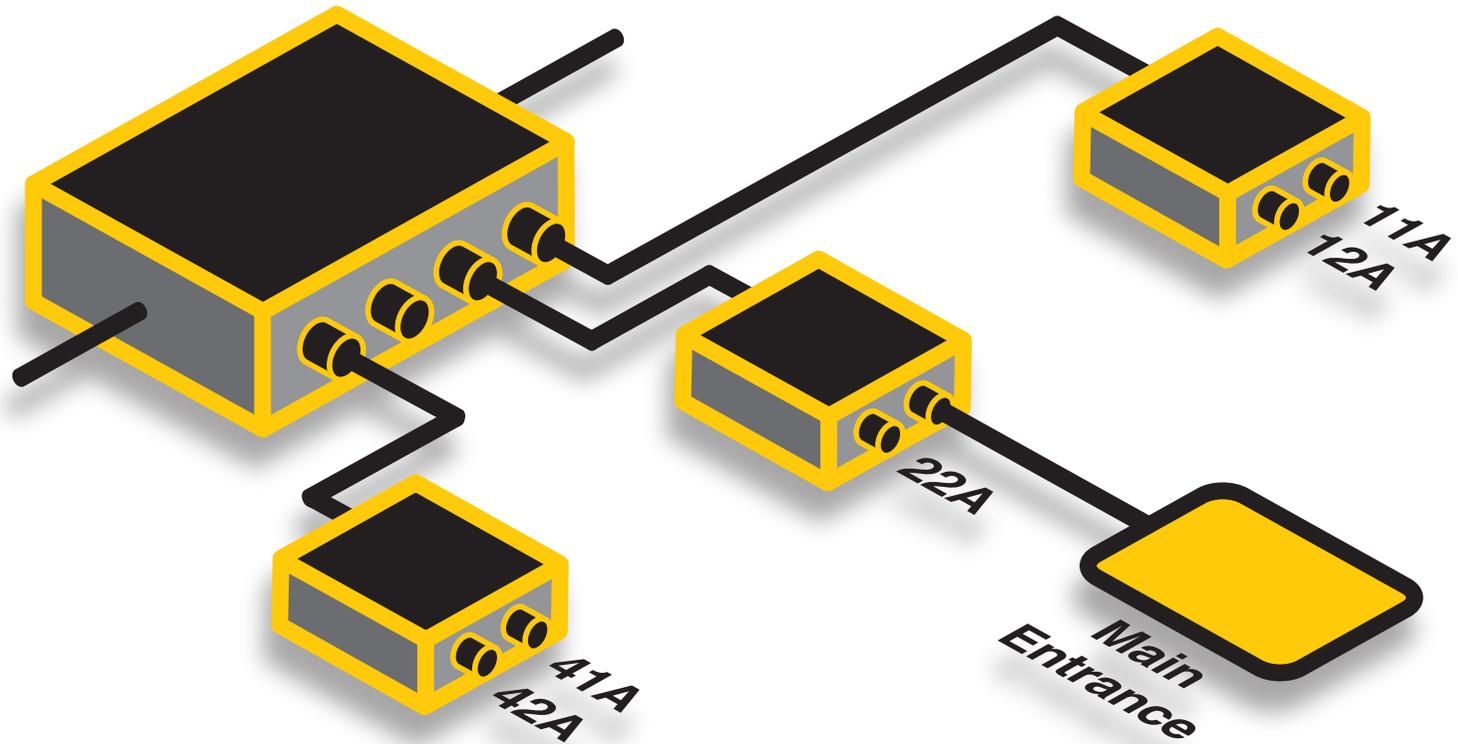


Display Manager

User Guide



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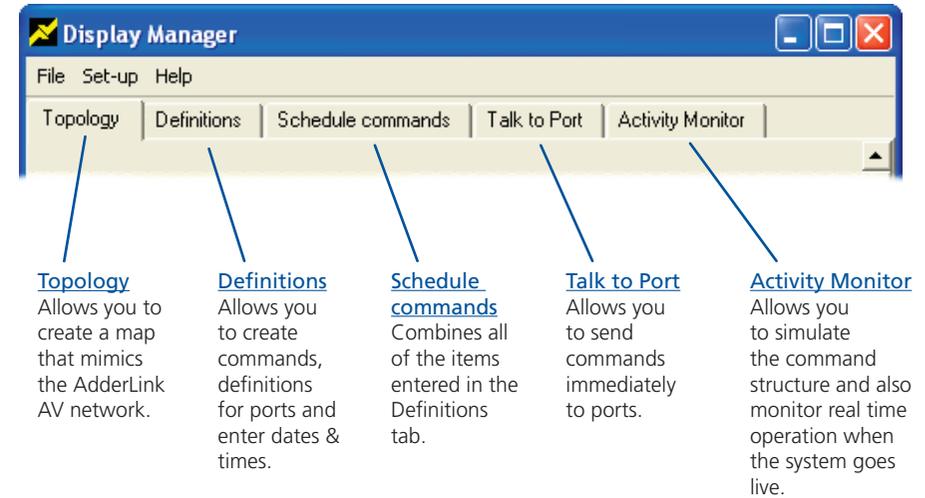
Welcome

Introduction

Display Manager for AVU6000 provides a central control panel for your AV installation in order to simplify the control (primarily the switching on and off) of multiple video display units.

When creating a new installation, Display Manager firstly helps you to create a topology that mimics the real configuration of your AV network layout. Then you can add the required commands and timings to suit the working hours of the establishment. After that you can run a high speed off-line simulation to check that commands are being sent correctly. Once you are happy with the configuration, you can take the whole network live and leave the Display Manager utility to automatically determine when displays should be on and off.

The Display Manager window consists of five tabbed pages, as follows:



Configuration

Topology

The Topology tab allows you to construct a schematic diagram that represents the physical layout of installed AVU6000 units and the video displays that are attached to them. In other tabs you can then add further details about each video display.

Note: It is important to accurately mimic the physical layout of your AVU6000 network within the topology diagram.

To create a topology

- 1 Select the Topology tab.
- 2 **Add transmitter(s):** Click the Edit selection box and choose the primary transmitter unit (the one connected directly to the computer) installed within your AVU network: AVU6001, AVU6004 or AVU6008. The chosen transmitter will be graphically represented within the Topology screen.
- 3 If further transmitter units are connected in cascade to the primary transmitter, repeat step 2 to add them. Be sure to add the transmitters in the order that they are attached to the primary transmitter.
- 4 **Add receivers:** For each receiver, click on the output node of the transmitter to which it is connected. A popup menu will provide a choice of available receivers; choose AVU6011 eller AVU6111. The chosen receiver will be graphically represented with a connection to the chosen transmitter node. The port addresses for each of the receiver's node will be shown.
- 5 Repeat step 4 for each receiver.
- 6 **Add displays:** For each display unit, click on the output node of the receiver to which it is connected. A screen symbol will be shown connected to the chosen receiver node. At this stage the added screen will show only its port address; within the Definitions tab you will be able to [apply a name to the screen for easy recognition](#) (see Add ports).
- 7 Repeat step 6 for each display unit.
- 8 Proceed to the [Definitions](#) tab to add commands, port details and date/time configurations.

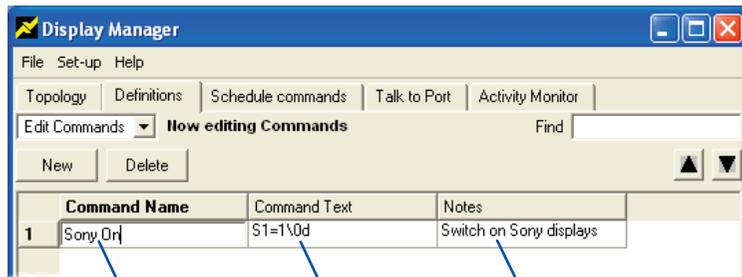
Definitions

The Definitions tab allows you to add three types of information which can then be mixed in any combination using the Schedule commands tab. The three types of information within the Definitions tab are:

- **Commands** – Enter the command codes that will be used to control individual display units, such as switch on/off.
- **Ports** – Enter a name for each display unit, as well as an optional group to which it may belong, e.g. 'All Sony monitors', 'All Samsung xyz models', etc.
- **Dates and times** – Enter times and dates when switching commands should be sent to the display units.

To create definitions:

- 1 Select the Definitions tab.
- 2 **Add Commands:** Click the selection box in the top left corner and choose Edit Commands.
- 3 Click the New button to add a new command entry and enter the required details as shown here:



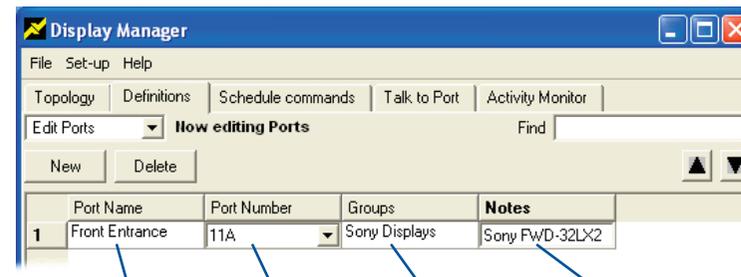
Command Name
Enter a descriptive name for the new command, e.g. Sony On, Samsung Off, etc.

Command Text
Enter the control characters that will be sent to the display in order to carry out the required action. Please refer to the display manufacturer's documentation for details of commands.

Notes
Optionally enter a description of what the command will achieve.

- 4 Repeat step 3 for each required command.

- 5 **Add Ports:** Click the selection box in the top left corner and choose Edit Ports.
- 6 Click the New button to add a new port entry and enter the required details as shown here:



Port Name
Enter a descriptive name for the new port (display unit), e.g. Main Entrance, Front Window, etc. The entered port name will be added to the relevant display unit icon within the topology diagram.

Port Number
Select the port to which the required display unit is connected.

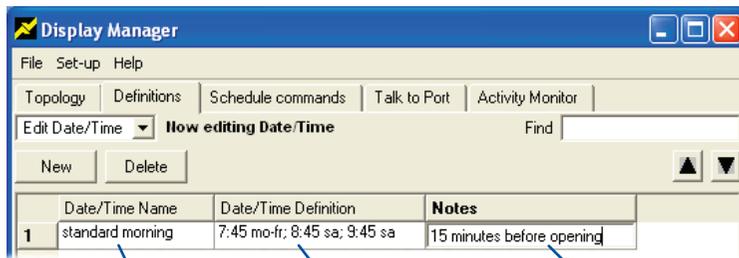
Groups
Optionally enter a group name to which the port can be attributed. For instance, this could be used to control all display units of a certain type, when required.

Notes
Optionally enter a description of the port/video display. The entered note text will be added to the relevant display unit icon within the topology diagram.

- 7 Repeat step 6 for each required command.

continued

- 8 Add Dates and Times: Click the selection box in the top left corner and choose Edit Date/Time.
- 9 Click the New button to add a new port entry and enter the required details as shown here:



Date/Time Name

Enter a descriptive name for the new date and time, e.g. Morning, Bank Holidays, etc.

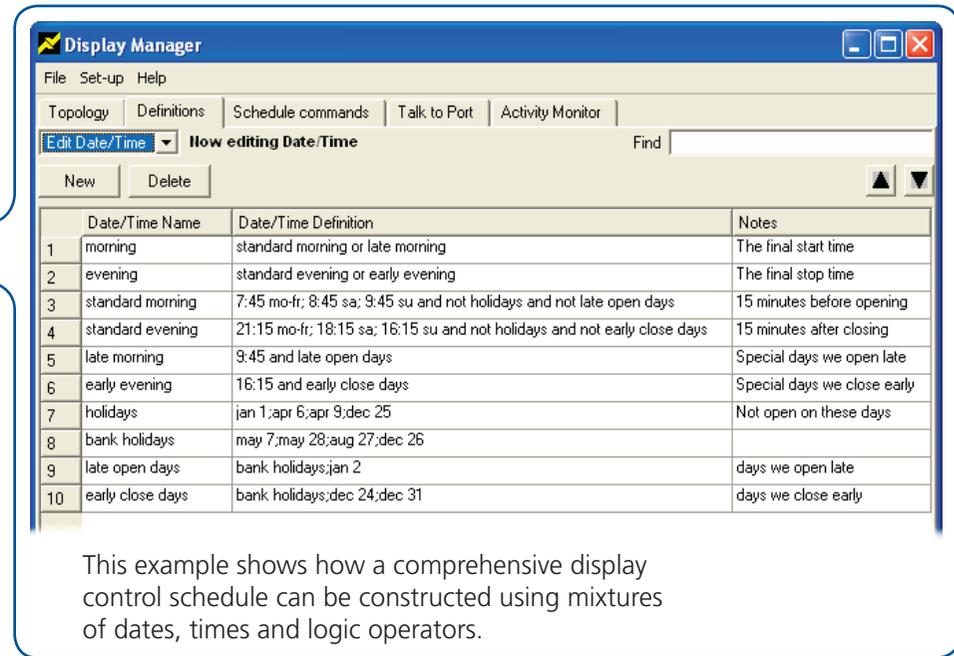
Date/Time Definition

Enter set times when commands should be sent. This field can accept individual commands, combinations of commands and/or logical operators:

- Times in 24 hour format: 7:45, 21:15, etc.
- Days in the format: su, mo, tu, we, th, fr, sa
- Dates in the format: jan 1, feb 31 2007, dec 24, etc.
- Logical operators in the format: and, or, not
- You can also refer to other Date/Time entries (see example left).

Notes

Optionally enter a description of the date/time.



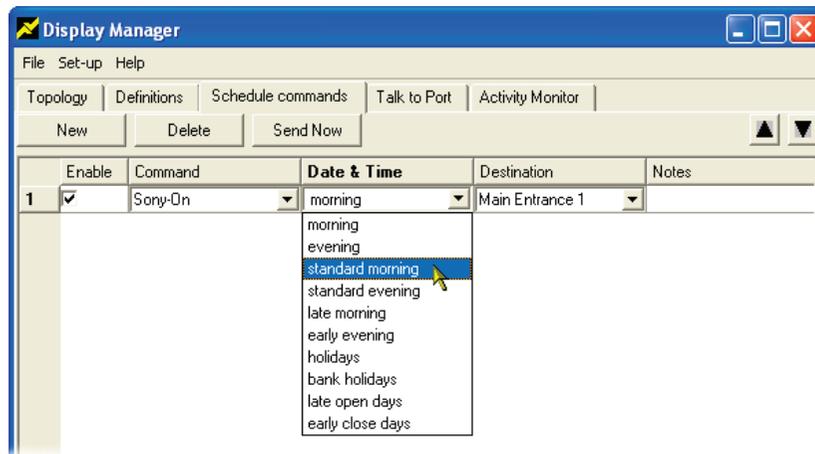
- 10 Repeat step 9 for each required date and time.
- 11 Proceed to the [Schedule commands](#) tab to mix the separate commands, ports and date/time configurations to form scheduled operations.

Schedule commands

The Schedule commands tab is where you mix the three types of information contained within the Definitions tab.

To create schedules

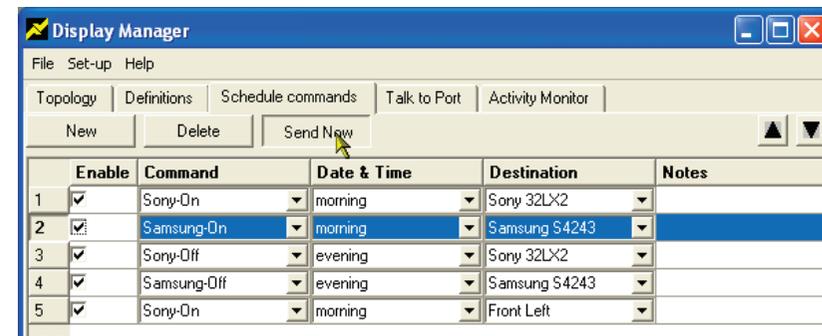
- 1 Select the Schedule commands tab.
- 2 Click the New button to add a new schedule entry.
- 3 Within the new entry, select the required mix of Command, Date & Time and Destination options using the drop down lists.



- 4 Optionally add a note to explain the entry.
- 5 Repeat steps 2 to 4 for each required schedule entry.
- 6 Proceed to the [Activity Monitor](#) tab to run a simulation of the scheduled commands before sending the system live.

To send a schedule immediately

- 1 Select the Schedule commands tab.
- 2 Click the number on the left side adjacent to the required schedule so that all items in that line become highlighted.



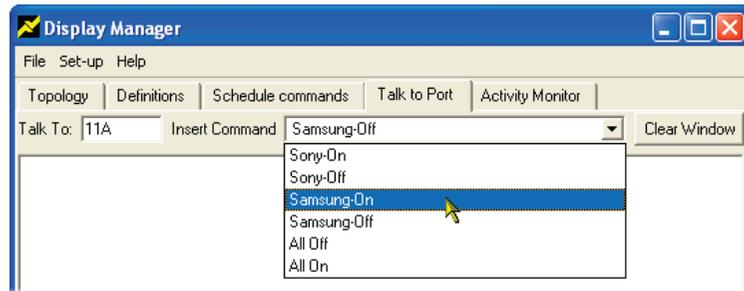
- 3 Click the Send Now button.

Talk to Port

The Talk to Port tab allows you to immediately send any preconfigured command to any port. If the command is a query, any response from the chosen display will be shown within the display window.

To talk to a port

- 1 Select the Talk to Port tab.
- 2 In the Talk to: field, enter the node address of the required port, e.g. 11A, 23B, etc.
- 3 Choose a command from the Insert Command list. The command will be sent and the response, if any, will be shown in the window.



Debugging & Operation

Activity Monitor

The Activity Monitor tab allows you to run off-line simulations at many times normal speed. From this tab you can also start and stop 'real' operation (in addition to the menu bar option).

The Activity Monitor screen is split into two main information panels, the upper one shows scheduled commands that are due to occur soon, while the lower one shows the commands that have been executed. You can optionally determine how many hours to look ahead using the control in the upper right corner of the screen, from 0 (disabled) to 8 hours.

To run a simulation

Note: No commands will be sent to the AV units during simulations unless you select the Serial On option.

- 1 Select the Activity Monitor tab.
- 2 Check that the selection box in the top left corner is showing 'Edit/Debug'.
- 3 In the Simulate section of the window on the right side, enter the time/date at which you wish to begin the simulation. Additionally, adjacent to the Year field, select the speed at which you wish to run the simulator – ranging from '1 Min/sec' to 'Ultra'.
- 4 Click the Start button to begin the simulation. You should see the scheduled commands appear in the upper information panel (unless the Look-Ahead feature has been disabled) and then transfer to the lower information panel as it is executed.
- 5 At any time click the Stop button to halt the simulation.

To activate and stop the system

Look ahead period
Choose the period that the upper information panel should look ahead to upcoming commands (0 to 8 hours)

Simulation speed
Choose the rate at which the simulation should progress (1 Min/sec to Ultra)

Upper information panel
Shows the commands that are soon to be executed.

Lower information panel
Shows the commands that have been executed.

Simulation start date and time
Select the required date and time

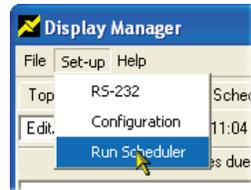
Simulation Start, Stop and Restart buttons

Serial On option
Select if you wish to send actual data to the AV units and displays during a simulation

The screenshot shows the 'Display Manager' window with the 'Activity Monitor' tab selected. The window is divided into two main sections: 'Scheduled Activities due in the next 1 hour' (upper panel) and 'Executed Commands' (lower panel). The upper panel lists scheduled commands with their dates and times. The lower panel lists executed commands. On the right side, there is a 'Simulate' section with controls for Year, Month, Day, Hour, Minute, and a 'Serial On' checkbox. There are also 'Start', 'Stop', and 'Restart' buttons. At the top right, there is a 'Hours Look-Ahead' control. The status bar at the bottom indicates 'Edit/Debug mode: Idle'.

To activate the system

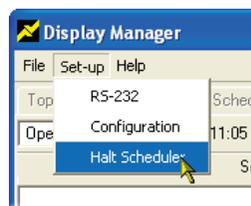
- 1 Select the Activity Monitor tab.
- 2 Either:
 - Click the selection box in the top left corner and select the Operating option, or
 - Click the Set-up menu and choose the Run Scheduler option.



You will see the status bar at the foot of the window change from green to red and commands will, at their allotted time, begin appearing within the upper information panel and transferring to the lower information panel. You should also see the corresponding reactions of the physical AdderLink AV units and their corresponding displays.

To stop the system

- 1 Either:
 - Click the selection box in the top left corner and select the Edit/Debug option, or
 - Click the Set-up menu and choose the Halt Scheduler option.

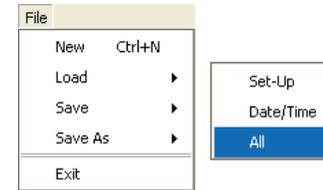


Menu options

The Display Manager menu bar provides a choice of options:

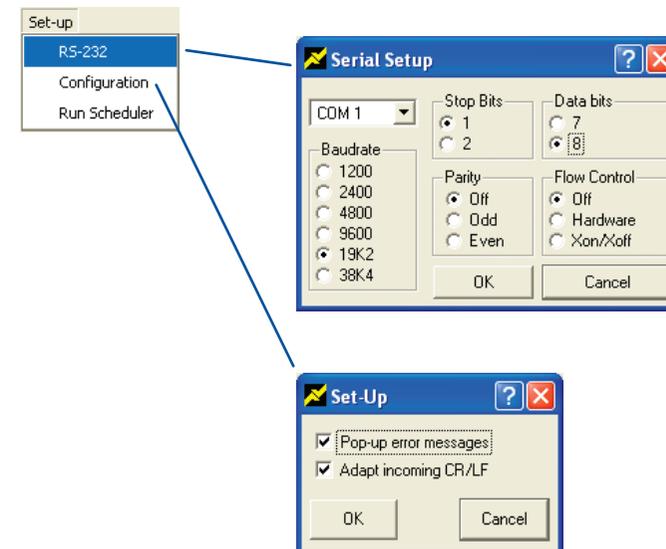


File



The Load, Save and Save As options all allow you to affect All items within the schedule, or alternatively to deal with the Date/Time entries separately from the other (Set-Up) details. This allows mixing of Set-Up and Date/Time data between different schedule configurations.

Set-Up



This option allows you to alter the serial communication parameters, if required.