



Sirius 610

Getting Started Guide

This leaflet is designed for quick reference only, and the user will have to refer to the User Guides for both Sirius and Nebula for detailed information. Nebula is the Snell router control system included with a Sirius Master router.

Connecting Your Router

See the rear view diagram included in this leaflet.

If 'clean' switching is required, an appropriate reference must be connected. An analog video 'black and burst' feed of either 625 line PAL, 525 line NTSC standard, HDTV; or all three for a mixed standard system. A digital audio router requires balanced or unbalanced AES, with the slider switch selected to B (balanced) or U (unbalanced) as appropriate.

To connect a Nebula database editor, use the 'RS232 configuration port' for 'CTRL A', this will work unless a controller changeover has occurred, in which case the 'CTRL B' port must be used.

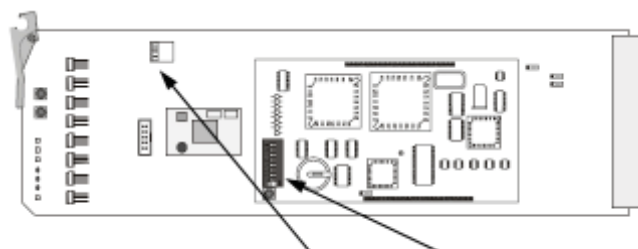
An external control system may be connected using an Ethernet or RS485 serial port. Ensure that the jumpers on the 2432 control card are configured appropriately by referring to the 'Configuring the control module' section of the Sirius user guide.

Controlling Your Router

Every Sirius router must have at least one control card, this may be a 2432 or 2433. Two of the same type may be fitted for redundancy. The 2432 card is the Nebula controller, which holds the system database. The 2433 is an 'interface' card and is only fitted in frames that are 'slaved' to frames with a 2432 Nebula controller. The only difference between the two card types is that the 2432 is fitted with a 2443 sub-board, and the 2433 is not.

There are two sets of switches on the router control card which determine the router operation, and these are described in this leaflet. There is also a set of 8 HEX switches for 'partitioning' the router beyond a single level, the user must refer to the Sirius user guide for such a configuration, however, if only one level is required these switches are set to zero.

Control Card Switch Settings



Configuration switches on the 2432 cards and the 2443 sub-board

Switches	ON	OFF
1	Master	Slave
2	Defines 2432 (with 2443)	Defines 2433 (without 2443)
3 & 4	See table overleaf	

2443 sub-board configuration switch	
1	ON: Master, OFF: Slave

It is important that when configuring a control module, the 2432 configuration switch 1 setting matches the 2443 sub-board.



Switches 3 and 4	3	4
All systems with 'square' levels	ON	ON
4U with non-square levels	ON	OFF
Combined AES in 4U (4999 I/O cards)	OFF	ON
Unbalanced 64 x 64 in 4U (1x4907 crosspoint card)	OFF	OFF

If a 4907 crosspoint card is fitted, SW1 positions 1 and 2 on the 4907 must be set to match switches 3 and 4 of the host 2432/2433 respectively configuration switch 1 setting.

Fixed Database Control Sub-Board Switch Settings

Use the following settings when connecting control panels directly to ports RS485-1 and 2.

Master 2443 switch settings shown in bold. For slave control card, SW1 is OFF.

ON	Mstr	20MHz		38400	525	Auto	Config	Panels
sw	1	2	3	4	5	6	7	8
OFF	Slve	10MHz	OFF	9600	625	manual	fxd	genrl

Sirius Router Fixed Database Panel Configuration.

For RS485-2 panel details, see documentation.

RS485-1	6276XY	(addr 1, see documentation for key layout)
RS485-2	6276XY	(addr 2, see documentation for key layout)
	6276XY	(addr 3, 6276XY-Mon (Sirius))
	6276XY-MON	(addr 4, all sources, dest 1-8, 65 - 72)
	6277-8	(addr 5, all sources, dest 9-16, 73 - 80)
	6277-8	(addr 6, all sources, dest 17-24, 81 - 88)
	6277-8	(addr 7, all sources, dest 25 - 32, 89 - 96)
	6277-8	(addr 8, all sources, dest 33 - 40, 97 - 104)
	6277-8	(addr 9, all sources, dest 41 - 48, 105 - 112)
	6277-8	(addr 10, all sources, dest 49 - 56, 113 - 120)
	6277-8	(addr 11, all sources, dest 57 - 64, 121 - 128)
	6277-8	(addr 12, sources 1 - 32, dest 1)
	6705 BPX	(addr 12, sources 1 - 32, dest 1)
	6705 BPX	(addr 13, sources 33 - 64, dest 1)
	6705 BPX	(addr 14, sources 65 - 96, dest 1)
	6705 BPX	(addr 15, 6706, sources 97 - 128, dest 1)
	6705 SplitXY	(addr 16, 6706, sources 1 - 16, dest 1 - 16)

If using a configured database the Nebula Editor will show this as CURR_SYS, and the panels may be configured as required. **SW7 = ON**. Refer to the handbook for editing details.

Panel Settings

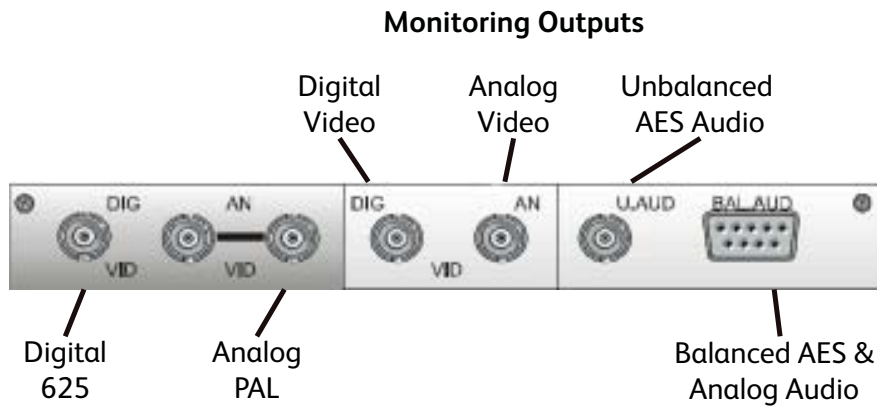
6276XY and 6277-8 Panel Switch settings at rear

UP 1	UP 2	UP 3	DWN 4	DWN 5	525	UP = 6277 DWN = 6276 6	DWN 7	UP 8
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6705 BPX - sw 7 ON, all others OFF
6705 SplitXY - sw 6 & sw 7 ON, all others OFF

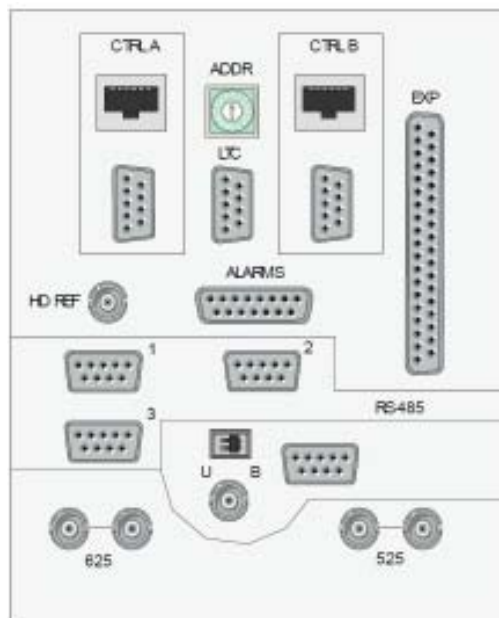
Note: The RS485 cable is wired pin to pin. Ensure the multi-drop address is set correctly for each panel.

1765 Rear Panel



Reference Inputs for Video DACs

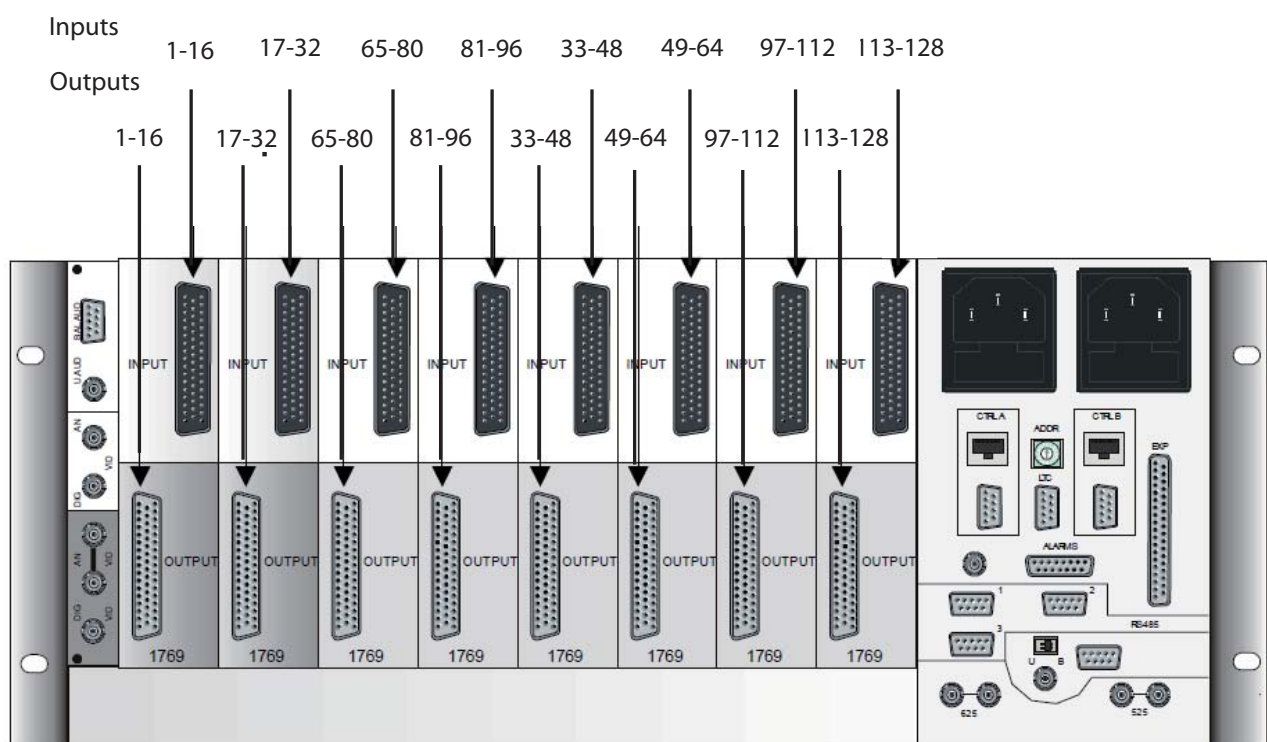
Rear Panel Control Connections



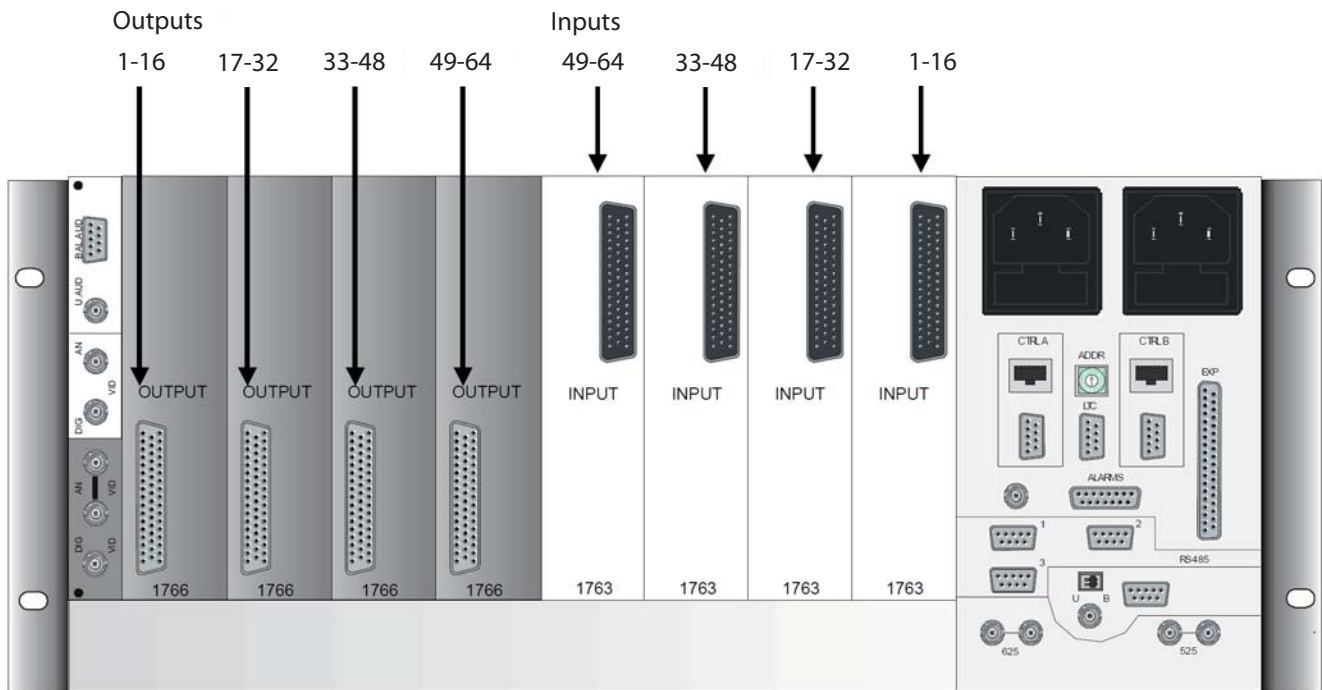
When viewed from the rear, the BNC connectors on a Sirius 4U video or unbalanced AES router are numbered as follows:

OUTPUTS								INPUTS							
1	9	17	25	33	41	49	57	57	49	41	33	25	17	9	1
2	10	18	26	34	42	50	58	58	50	42	34	26	18	10	2
3	11	19	27	35	43	51	59	59	51	43	35	27	19	11	3
4	12	20	28	36	44	52	60	60	52	44	36	28	20	12	4
5	13	21	29	37	45	53	61	61	53	45	37	29	21	13	5
6	14	22	30	38	46	54	62	62	54	46	38	30	22	14	6
7	15	23	31	39	47	55	63	63	55	47	39	31	23	15	7
8	16	24	32	40	48	56	64	64	56	48	40	32	24	16	8

Combined Balanced AES Signal Connections



Combined Balanced AES Signal Connections



Power Supply Information

The power supplies are auto sensing between 110V and 230V. Connect the cable to the IEC connector(s) at the rear of the frame. The green power OK LED on the front of the power supplies should turn on. If the red LED lights there is a problem with one or more of the fans.

The fuse used in the IEC connector is an 8 amp anti surge. If this fails, ensure it is replaced with the same specification.

Your frame may have been supplied with lifting handles. If so refer to the information supplied with the handles.



**THIS UNIT IS HEAVY.
TAKE CARE WHEN MOVING IT.**



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