



GETTING STARTED GUIDE — SIRIUS 620

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 theSnell router control system included with a Sirius Master router.

Connecting Your Router

See the diagram on the last page of this leaflet.

If 'clean' switching is required, an appropriate reference must be connected. An analogue 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.

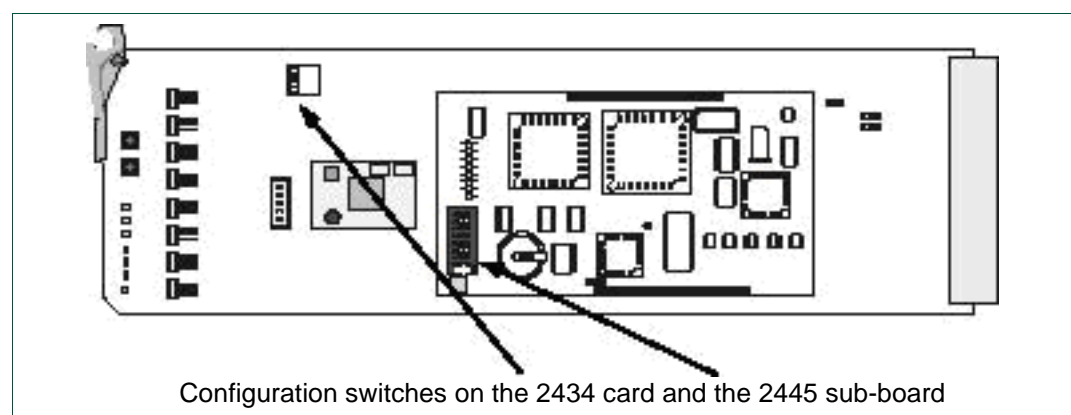
An external control system may be connected using an Ethernet or RS485 serial port. Ensure that the jumpers on the 2434 control card are configured appropriately by referring to the 'Configuring the control module' section of the Sirius user guide.

Controlling Your Router

Every Sirius router must have at least one control card, this may be a 2434 or 2435. Two of the same type may be fitted for redundancy. The 2434 card is the Nebula controller, which holds the system database. The 2435 is an 'interface' card and is only fitted in frames that are 'slaved' to frames with a 2434 Nebula controller. The only difference between the two card types is that the 2434 is fitted with a 2445 sub-board, and the 2435 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



Switches	ON	OFF
1	Master	Slave
2	Defines 2434 (with 2445)	Defines 2445 (without 2445)
3 and 4	ON	

2445 sub-board configuration Switch	
1	ON: Master, OFF: Slave

It is important that when configuring a controlmodule, the 2434 configuration switch 1 setting matches the 2445 sub-board.

If a 4907 crosspoint card is fitted, SW1 positions 1 and 2 on the 4907 must be set to ON.

Fixed Database Control Sub-Board Switch Settings

Use the following settings when connecting control panels directly to ports RS485-1 and 2. Master 2445 switch settings shown in bold. For slave control card, SW1 is OFF.

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

For RS485-2 panel details, see documentation.

———6276XY	(addr 1, see documentation for key layout)
———6276XY	(addr 2, see documentation for key layout)
———6276XY-MON	(addr 3, 6276XY—Mon (Sirius))
———6277-8	(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)
———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

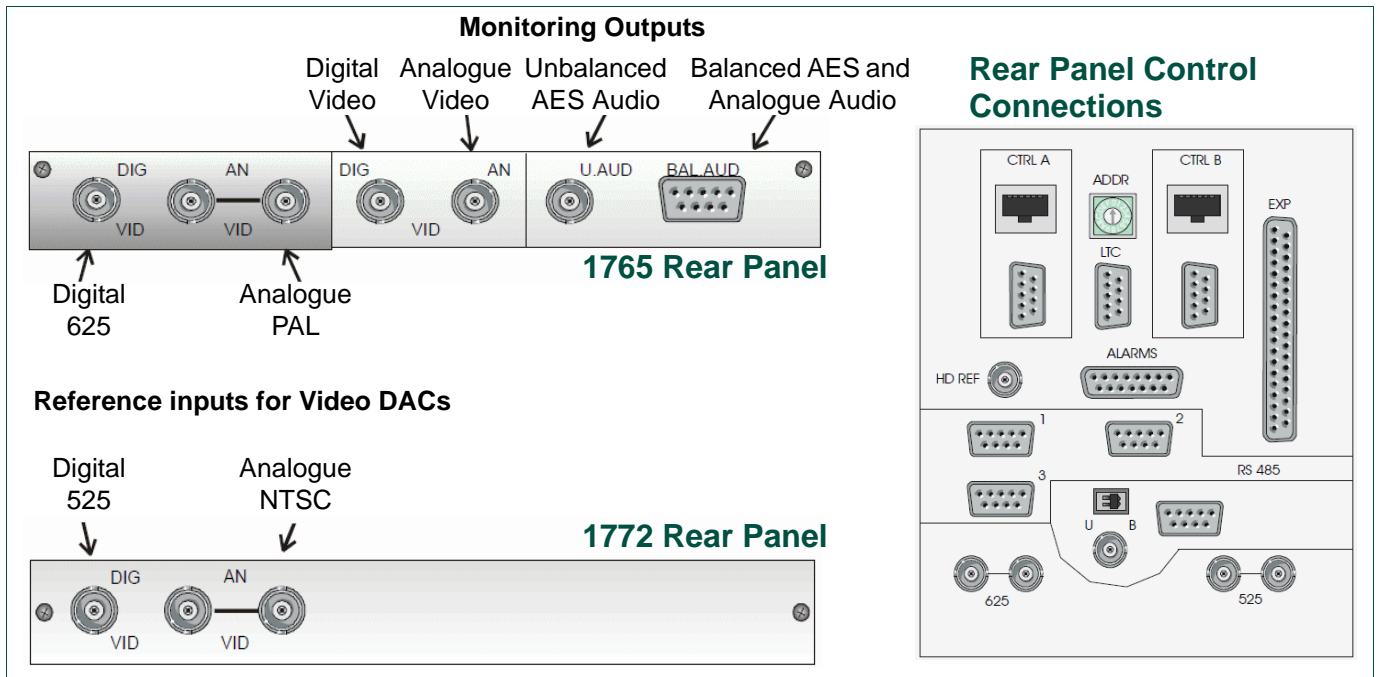
6276XY and 6277-8 Panel Switch settings at rear

UP 1	UP 2	UP 3	DOWN 4	DOWN 5	UP = 6277 DOWN = 6276 6	DOWN 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

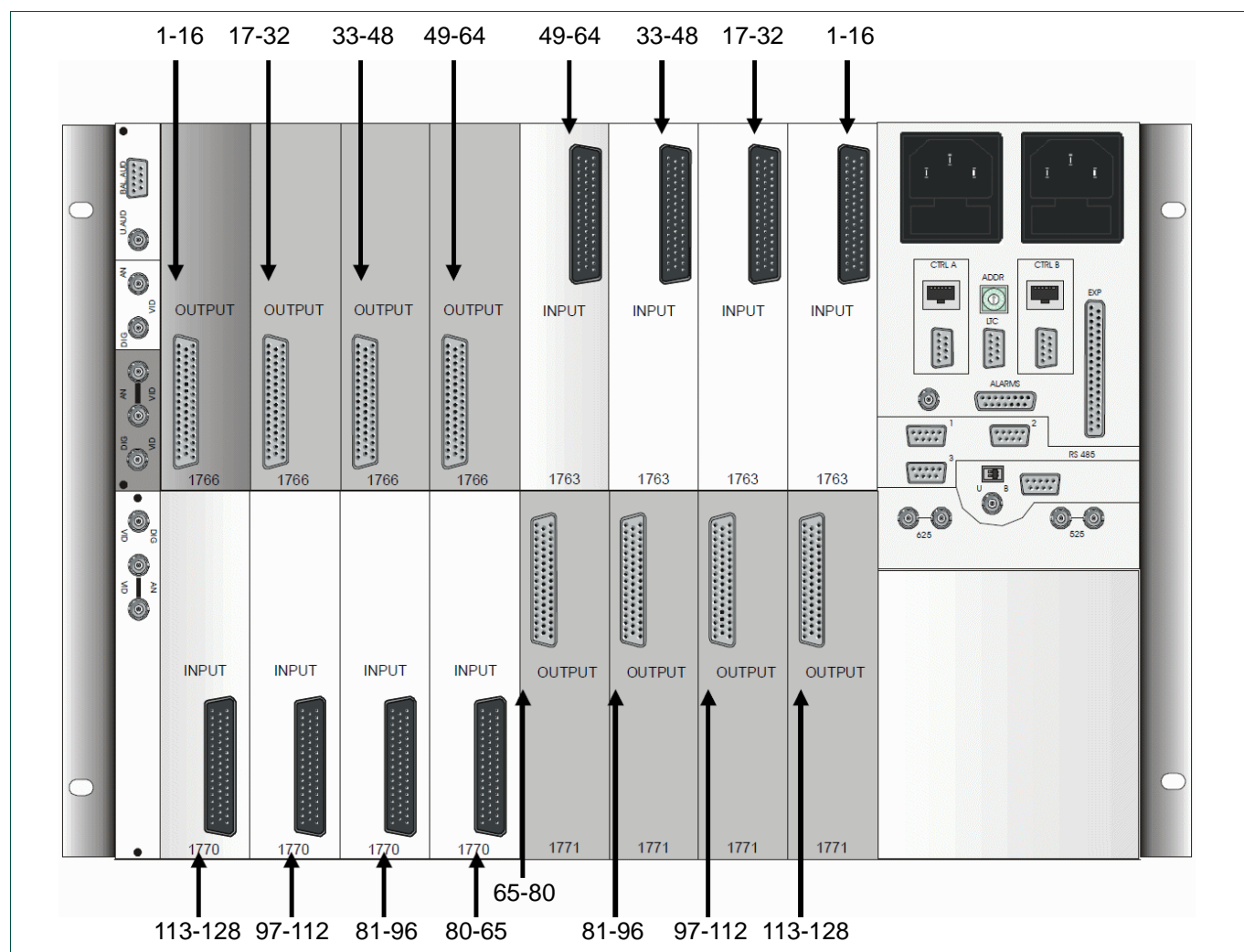
Note: The RS485 cable is wired pin to pin. Ensure the multi-drop address is set correctly for each panel.



When viewed from the rear, the BNC connectors on a Sirius 7U 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
128	120	112	104	96	88	80	72	72	80	88	96	104	112	120	128
127	119	111	103	95	87	79	71	71	79	87	95	103	111	119	127
126	118	110	102	94	86	78	70	70	78	86	94	102	110	118	126
125	117	109	101	93	85	77	69	69	77	85	93	101	109	117	125
124	116	108	100	92	84	76	68	68	76	84	92	100	108	116	124
123	115	107	99	91	83	75	67	67	75	83	91	99	107	115	123
122	114	106	98	90	82	74	66	66	74	82	90	98	106	114	122
121	113	105	97	89	81	73	65	65	73	81	89	97	105	113	121
INPUTS								OUTPUTS							

Rear View of Balanced AES Router



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 powerOK 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 - Schurter part, 0001-2513 or 264-9146 (RS Bussman). If this goes, 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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