



Getting Started Guide SIRIUS GOLD

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 Pro-Bel 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 such as 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 may require a balanced or unbalanced AES reference if it is not being run synchronously with video.



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.

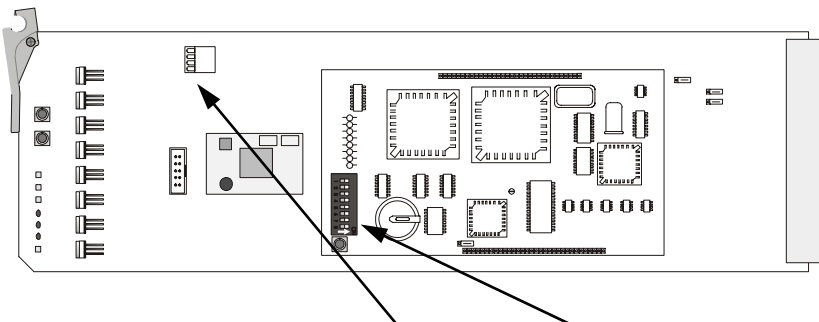
An external control system may be connected using an Ethernet or RS485 serial port. Ensure that the jumpers on the 2434 control card are configured appropriately by referring to the 'Configuring the control module' section of the Sirius user guide.

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



Configuration switches on the 2434 card and the 2445 sub-board

| Switches | ON | OFF |
|----------|--------------------------|-----------------------------|
| 1 | Master | Slave |
| 2 | Defines 2434 (with 2445) | Defines 2435 (without 2445) |
| 3 & 4 | ON | |

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

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

Fixed Database Control Sub-Board Switch Settings

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

Master 2434 switch settings shown in bold. For slave control card, SW1 is OFF.

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

Sirius Router Fixed Database Panel Configuration.

For RS485-2 panel details, see documentation.

RS485-1

| | | |
|---------|--------------|---|
| RS485-1 | 6276XY | (addr 1, see documentation for key layout) |
| RS485-2 | 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

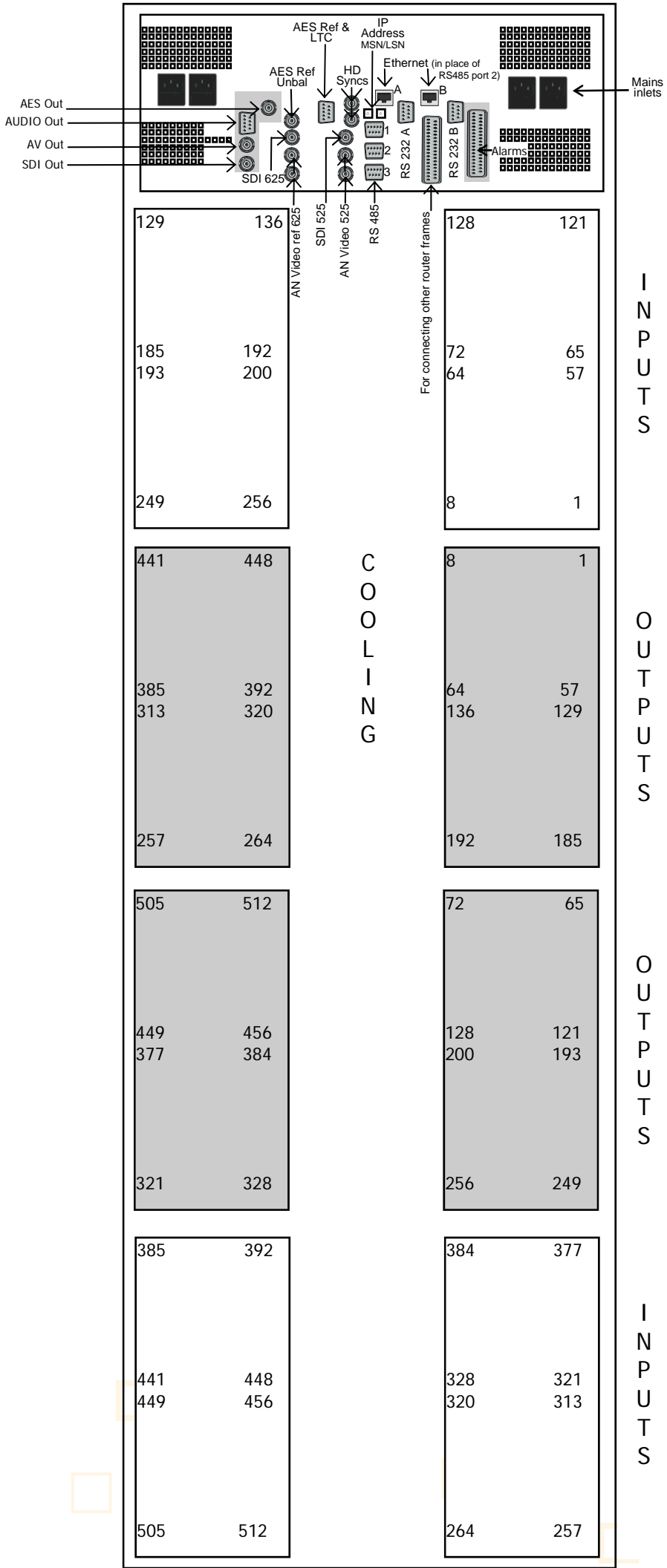
6276XY and 6277-8 Panel Switch settings at rear

| | | | | | | | |
|-----------------------|-----------------------|-----------------------|------------------------|------------------------|---|------------------------|-----------------------|
| UP 1 | UP 2 | UP 3 | DWN 4 | DWN 5 | UP = 6277 DWN = 6276 6 | DWN 7 | UP 8 |
|-----------------------|-----------------------|-----------------------|------------------------|------------------------|---|------------------------|-----------------------|

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.



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Power Supply Information

The power supplies are auto sensing between 90V and 264V. 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. A minimum of two power supplies are required at all times.

The fuse used in the IEC connector is rated at 10A, 250V. 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.



Caution

THIS UNIT IS HEAVY. TAKE CARE WHEN MOVING IT.

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